

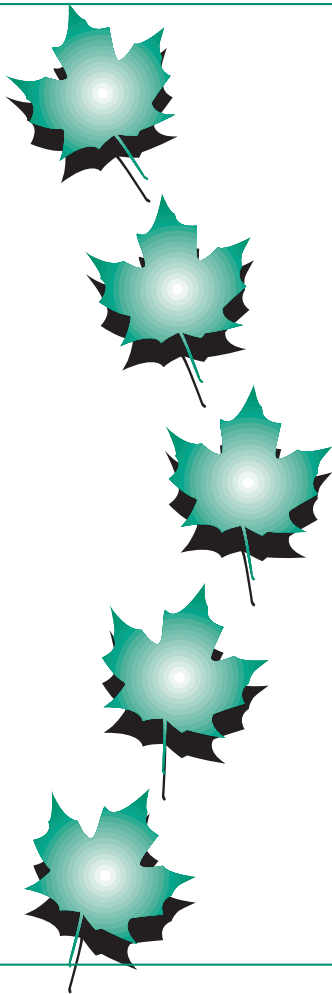


**Canadian  
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du Canada**

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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

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**Canada**



# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

The Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Hull, Canada, to whom all communications other than those concerning subscriptions or requests for single copies should be addressed.

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La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Hull, Canada, à qui doit être adressée toute correspondance autre que les abonnements ou les commandes d'exemplaires séparés.

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### Important Notice to Subscribers

Since the issue of November 2, 1999, Public Works & Government Services Canada (PWGSC) is no longer managing subscriptions to the *Patent Office Record* (POR). PWGSC will provide subscribers with a credit and/or refund for the unused portion of their subscription.

The POR has been made available, free of charge, on CIPO's website at [cipo.gc.ca](http://cipo.gc.ca) or [strategis.ic.gc.ca/patents/record](http://strategis.ic.gc.ca/patents/record) since April 1999. Statistics show that many of our clients are making use of this electronic version. Improvements to the electronic format to facilitate speed of download have been implemented. Users now have the choice of downloading the complete document or each section individually. Current editions are posted weekly on Tuesdays and an archive of past editions dating from April 1999 is available as well.

In order to prevent disruption of service to those clients who still require printed copies, CIPO will, on request, print copies for distribution to current subscribers, free of charge until further notice, after which copies will be available for a fee.

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### Avis important aux abonnés

Veillez noter qu'à compter du numéro daté du 2 novembre 1999, Travaux publics et Services gouvernementaux Canada (TPSGC) a cessé de gérer les abonnements à la *Gazette du Bureau des brevets* (GBB). TPSGC remboursera les abonnés ou leur offrira un crédit pour les numéros non reçus.

Depuis avril 1999, on peut consulter ou télécharger la Gazette, sans frais, à partir du site Web de l'OPIC : [opic.gc.ca](http://opic.gc.ca) ou [strategis.ic.gc.ca/brevets/gazette](http://strategis.ic.gc.ca/brevets/gazette). D'après nos statistiques de nombreux clients utilisent la version électronique. Nous avons récemment modifié le format électronique de la Gazette afin d'améliorer la vitesse de téléchargement. Les utilisateurs ont désormais le choix entre télécharger le document en entier ou des sections individuelles. Les éditions courantes sont publiées tous les mardis et les numéros antérieurs (d'avril 1999 jusqu'à maintenant) sont aussi disponibles.

Dans le but d'éviter toute interruption de service aux clients qui désirent obtenir des exemplaires sur support papier, l'OPIC imprimera, sur demande, un certain nombre de copies. Ce service sera disponible gratuitement jusqu'à nouvel ordre, après quoi des frais s'appliqueront.

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Courriel : [cipo.contact@ic.gc.ca](mailto:cipo.contact@ic.gc.ca)

Téléphone : (819) 997-1936 (de 8h à 16h45 HNE)

Télécopieur : (819) 953-7620 (fonctionne 24 heures sur 24)

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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
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [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'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise 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
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [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] - Noms(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

A complete list of country codes has been published in the issue of October 24, 2000 and will be published twice a year in the last issues of April and October.

### 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain on request an alphabetical listing of subject matter titles for the various classes by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

### 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

### 5. How to Purchase Paper Copies of Canadian Patents and Canadian Laid-Open Applications

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by visiting our web site at [www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

Paper copies of all other Canadian Patents and Canadian Laid-Open Applications may be purchased at the cost of \$.50 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-Hull, K1A 0C9.

### 2. Code des pays

Une liste complète des codes de pays a été publiée dans le numéro du 24 octobre 2000 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

### 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

### 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

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

Les copies sur papier des brevets canadiens, numéros 1 à 445,930, sont disponibles au coût de quatre dollars (4 \$) par copie, en visitant notre site web à l'adresse suivante [www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

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 0.50\$ 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-Hull, K1A 0C9.

## Notices

### 6. 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 .50\$ per page from the Patent Office.

### 7. 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-Hull, 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.

### 8. 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-Hull, 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.

### 9. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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.

### 6. 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 expirés, peuvent être commandées auprès du Bureau des brevets au prix de 0,50 \$ la page.

### 7. 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-Hull, 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.

### 8. 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-Hull, 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.

### 9. 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.

## Avis

### **10. List of Patents Available for Licence or Sale**

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

### **11. Laid-Open Applications**

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.

### **12. 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).

### **10. 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.

### **11. Demandes mises à la disponibilité du public**

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposées 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.

### **12. Langue du document publié**

Toute personne intéressée d'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

### 13. Patent Cooperation Treaty (PCT)

#### SCHEDULE OF FEES APPLICABLE AS OF JANUARY 1, 2002

| FEES   | AMOUNTS<br>\$ |
|--|---------------|
| 1. <b>Transmittal Fee:</b> (Rule 14)   | 200.00        |
| 2*. <b>Basic Fee:</b>  | 639.00        |
| Amount for each additional sheet over 30   | 15.00         |
| 3. <b>Designation Fee:</b> (Rule 15.2(a))  | 138.00        |
| The maximum that can be charged for the Designation Fee is \$726.00; therefore, if more than 6 countries are designated the fee remains \$726.00 |               |

4. **International Search Fee** 1,360.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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: Basic Fee

#### Preliminary Examination

6. **Handling Fee:**  
(Rule 57.2(a)) 159 Euro Dollars

7. **Preliminary Examination Fee:**  
(Rule 58) 1,533 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks or Euro Dollars. They should be paid directly to the European Patent Office in Munich but may now be filed in the Canadian Receiving Office. Please note that the European Patent Office will NOT consider the fees as being received until they reach Europe. It is preferable to fax both the demand and a copy of the bank draft to the EPO at 011-4989-2399-4465.

\* International fees will be reduced by \$173.00 for all applications filed using PCT-Easy.

### 13. Traité de coopération en matière de brevets (PCT)

#### BARÈME DE TAXES À PARTIR DU 01 JANVIER 2002

| TAXES   | MONTANTS<br>\$ |
|---|----------------|
| 1. <b>Taxe de transmission:</b> (Règle 14)  | 200,00         |
| 2*. <b>Taxe de base:</b>  | 639,00         |
| Montant pour chaque feuille au delà de 30   | 15,00          |
| 3. <b>Taxe de désignation</b> (par pays) (Règle 15.2(a))  | 138,00         |
| Le maximum payable pour la taxe de désignation est de 726,00 \$; donc, si plus que 6 pays sont désignés, la taxe demeure 726,00 \$. |                |

4. **Taxe de recherche internationale** 1 360,00  
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). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale 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)) 159 dollars euro

7. **Taxe d'examen préliminaire:**  
(Règle 58) 1 533 dollars euro

Les taxes d'examen préliminaire Deutsche Marks ou en Euro Dollars. Elles doivent être payées à l'Office européen des brevets mais peuvent être payées à l'Office récepteur du Canada. Veuillez noter que l'Office européen NE considérera PAS les honoraires comme étant reçu jusqu'à ce qu'ils atteignent l'Europe. Il est préférable d'envoyer la demande et une copie par fax de la traite bancaire au 011-4889-2399-4465.

\*Les frais seront réduits par 173,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.



## 14. 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 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 -World Intellectual Property Organization 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 website at <http://www.wipo.int>.

## 15. Canadian Laid-Open Applications

The Patent Office Record of January 8, 2002 contains laid-open applications from December 16, 2001 - December 22, 2001.

## 16. Notices

Notice is hereby given that on December 12, 2001, the Special Committee of Council approved the prepublication of the Regulations Amending the Patent Rules.

These amendments ensure that the Canadian Patent Rules conform with Canada's international obligations under the Patent Cooperation Treaty (PCT). The PCT is administered by the World Intellectual Property Organization (WIPO), which is located in Geneva. The amendments extend the time limit for transmitting a PCT application to national patent offices, irrespective of whether the applicant has requested an international preliminary examination.

## 14. Avis PCT

### Exigences des signatures du PCT

Veillez 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 - PCT, <http://www.wipo.int>).

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

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI 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 - Organisation mondiale de la propriété intellectuelle 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>.

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

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 16 décembre 2001 - 22 décembre 2001.

## 16. Avis

Avis est, par la présente, donné qu'en date du 12 décembre, 2001, le Comité spécial du Conseil a approuvé la publication préalable du Règlement modifiant les Règles sur les brevets.

Les modifications assurent la conformité des Règles sur les brevets du Canada à ses obligations internationales relatives au Traité de coopération en matière de brevets (PCT). Le PCT est administré par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI), qui se trouve à Genève. Les modifications étendent le délai prescrit pour amorcer la procédure auprès des offices de brevets nationaux, que le requérant ait demandé ou non un examen préliminaire international.

## Notices

The proposed amendments were published in Part I of the Canada Gazette on December 15, 2001. In addition, an extract of the Canada Gazette containing the proposed amendments, as well as the Regulatory Impact Analysis Statement, can be accessed on the Web site of the Canadian Intellectual Property Office at: [www.cipo.gc.ca](http://www.cipo.gc.ca)

Comments are welcome within 30 days after the date of publication in the Canada Gazette

You may obtain a paper copy of the Canada Gazette (Vol. 135, No. 50) by contacting: Canadian Government Publishing, Communication Canada, Ottawa, Canada K1A 0S9, (613) 956-4802.

La proposition de modifications a été publiée dans la Partie I de la Gazette du Canada le 15 décembre 2001. De plus, l'extrait de la Gazette du Canada comportant sur les modifications proposées, ainsi que le Résumé de l'étude d'impact de la réglementation, sont accessibles sur le site Web de l'Office de la propriété intellectuelle du Canada : [www.opic.gc.ca](http://www.opic.gc.ca)

Vous pouvez présenter vos commentaires dans les 30 jours suivant la date de publication dans la Gazette du Canada.

Vous pouvez vous procurer un exemplaire papier de la Gazette du Canada (Vol. 135, no 50) en s'adressant à : Les Éditions du gouvernement du Canada, Communication Canada, Ottawa, Canada K1A 0S9, (613) 956-4802.

## Avis

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[13] C

[52] 195-1.33 167-137 195-34.7

[51] **Int.Cl. 7C12N 9/88 7C12N 5/00**

**7A61K 39/10 7A61K 38/57**

[25] EN

[54] **METHOD FOR OBTAINING PROTECTIVE ANTIGENS AGAINST BORDETELLA INFECTIONS AND TOXIC PROCESSES**

[54] **PROCEDE POUR OBTENIR DES ANTIGENES PROTECTEURS CENTRE LES INFECTIONS A BORDETELLA ET LEUR TOXINES ASSOCIEES**

[72] Rocancourt, Murielle, FR

[72] Brezin, Colette, FR

[72] Boucaud, Jean Luc, FR

[72] Szatanik, Marek, FR

[72] Alonso, Jean Michel, FR

[73] INSTITUT PASTEUR, FR

[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR

[21] **597,153**

[22] 1989-04-19

[30] EP (88 400 949.9) 1988-04-19

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[11] **2,001,310**

[13] C

[51] **Int.Cl. 5H01H 13/50**

[25] EN

[54] **SWITCH FOR PORTABLE LIGHT SOURCE**

[54] **INTERRUPTEUR POUR ECLAIRAGE PORTATIF**

[72] Reeves, W. Clay, US

[72] Rohrs, Donald L., US

[73] Brinkmann Corporation (The), US

[22] 1989-10-24

[30] US (261,786) 1988-10-24

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[11] **2,002,285**

[13] C

[51] **Int.Cl. 5G09F 3/04 5B65C 9/25**

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[54] **CONTAINER LABEL AND SYSTEM FOR APPLYING SAME**

[54] **ETIQUETTE ET METHODE D'ETIQUETAGE SUR RECIPIENT EN VERRE**

[72] Brandt, Thomas L., US

[72] Willkens, Daniel N., US

[73] HEINEKEN TECHNICAL SERVICES B.V., NL

[22] 1989-11-06

[30] US (267,877) 1988-11-07

[30] US (432,442) 1989-11-06

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[13] C

[51] **Int.Cl. 5G01B 11/24**

[25] EN

[54] **SENSING THE SHAPE OF AN OBJECT**

[54] **DETECTION DE LA FORME D'UN OBJET**

[72] Smith, Martin Phillip, GB

[72] Smith, Robin Wycliffe, GB

[73] Anstalt Gersan, LI

[22] 1989-11-08

[30] GB (8826224.1) 1988-11-09

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[11] **2,003,880**

[13] C

[51] **Int.Cl. 5C07F 13/00 5A61K 49/02**

[25] FR

[54] **PRODUIT**

**RADIOPHARMACEUTIQUE AYANT NOTAMMENT UN TROPISME CARDIAQUE COMPORTANT UN COMPLEXE NITRURO D'UN METAL DE TRANSITION, ET SON PROCEDE DE PREPARATION**

[54] **RADIOPHARMACEUTICAL COMPOUND HAVING A CARDIAC TROPISM COMPRISING A NITRURO COMPLEX OF A TRANSITION METAL AND PREPARATION PROCESS OF THE SAME**

[72] PASQUALINI, ROBERTO, FR

[72] MAGON, LUCIANO, IT

[72] BARDY, ANDRE, FR

[72] DUATTI, ADRIANO, IT

[72] MARCHI, ANDREA, IT

[73] Compagnie ORIS Industrie S. A., FR

[22] 1989-11-24

[30] FR (88 15415) 1988-11-25

[30] FR (89 07731) 1989-06-12

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[11] **2,003,974**

[13] C

[51] **Int.Cl. 5B32B 31/12**

[25] EN

[54] **DIFFERENTIAL THERMAL HEATING IN MICROWAVE OVEN PACKAGES**

[54] **CHAUFFAGE THERMIQUE DIFFERENTIEL GENERE PAR LES EMBALLAGES POUR LA CUISSON AU FOUR MICRO-ONDES**

[72] BECKETT, Donald Gregory, CA

[73] GRAPHIC PACKAGING CORPORATION, US

[22] 1989-11-27

[30] GB (8827709.0) 1988-11-28

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[51] **Int.Cl. 5B41M 5/132 5C01B 33/12**  
[25] EN  
[54] **INK JET RECORDING SHEET**  
[54] **FEUILLE D'ENREGISTREMENT**  
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[72] Kojima, Yutaka, JP  
[72] Omori, Takashi, JP  
[73] NIPPON PAPER INDUSTRIES CO.,  
LTD., JP  
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[30] JP (8993/89) 1989-01-18

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[11] **2,011,866**  
[13] C  
[51] **Int.Cl. 5C08G 59/12**  
[25] FR  
[54] **PROCEDE DE CONDENSATION**  
**D'AU MOINS UN EPOXYDE SUR AU**  
**MOINS UN ANHYDRIDE CYCLIQUE**  
**EN PRESENCE D'UN CATALYSEUR A**  
**BASE D'AU MOINS UN COMPLEXE**  
**AZOTE DU TITANE**  
[54] **PROCESS FOR THE**  
**CONDENSATION OF AT LEAST ONE**  
**EPOXIDE ON AT LEAST ONE CYCLIC**  
**ANHYDRIDE IN THE PRESENCE OF A**  
**CATALYST CONTAINING AT LEAST**  
**ONE NITROGEN-CONTAINING**  
**TITANIUM COMPLEX**  
[72] Garapon, Jacques, FR  
[72] Bagrel, Valérie, FR  
[72] Damin, Bernard, FR  
[72] Huet, Catherine, FR  
[72] Touet, Rémi, FR  
[73] Elf France, FR  
[73] L' AIR LIQUIDE, SOCIETE  
ANONYME POUR L'ETUDE ET  
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GEORGES CLAUDE, FR  
[73] INSTITUT FRANCAIS DU PETROLE,  
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[22] 1990-03-09  
[30] FR (89 03140) 1989-03-10

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[11] **2,015,683**  
[13] C  
[51] **Int.Cl. 5C08L 23/14**  
[25] EN  
[54] **PLASTO-ELASTIC**  
**POLYPROPYLENE COMPOSITIONS**  
[54] **COMPOSITIONS DE**  
**POLYPROPYLENE PLASTO-**  
**ELASTIQUES**  
[72] Cecchin, Giuliano, IT  
[72] Guglielmi, Floriano, IT  
[73] MONTELL NORTH AMERICA INC.,  
US  
[22] 1990-04-27  
[30] IT (20328 A/89) 1989-04-28

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[11] **2,016,216**  
[13] C  
[51] **Int.Cl. 5G01M 19/00**  
[25] EN  
[54] **TURBINE GENERATOR SHAFT**  
**TORSION MONITOR**  
[54] **CONTROLEUR DE TORSION**  
**POUR ARBRE DE GENERATEUR A**  
**TURBINE**  
[72] Twerdochlib, Michael, US  
[73] WESTINGHOUSE ELECTRIC  
CORPORATION, US  
[22] 1990-05-07  
[30] US (349,029) 1989-05-08

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[11] **2,018,062**  
[13] C  
[51] **Int.Cl. 5B29C 45/00**  
[25] EN  
[54] **REINFORCEMENT FOR USE IN**  
**REACTION INJECTION MOLDING**  
[54] **RENFORCEMENT UTILISABLE**  
**EN MOULAGE PAR INJECTION ET**  
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[72] Sanns, Frank, Jr., US  
[73] BAYER CORPORATION, US  
[22] 1990-06-01  
[30] US (07/371,640) 1989-06-26

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[11] **2,018,938**  
[13] C  
[51] **Int.Cl. 5H02H 7/04**  
[25] EN  
[54] **MICROPROCESSOR-BASED**  
**STAND-ALONE DIGITAL**  
**PROTECTIVE RELAY FOR POWER**  
**TRANSFORMERS**  
[54] **RELAIS DE PROTECTION**  
**NUMERIQUE A MICROPROCESSEUR**  
**POUR TRANSFORMATEURS**  
**D'ALIMENTATION**  
[72] RAHMAN, M. Azizur, CA  
[72] Yalla, V.V.S. Murty, US  
[72] HERMANTO, Ivi, CA  
[73] Yalla, V.V.S. Murty, US  
[73] HERMANTO, Ivi, CA  
[73] Seabright Corporation Limited, CA  
[22] 1990-06-13

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[13] C  
[51] **Int.Cl. 5C07C 37/60 5C07C 39/02**  
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[25] FR  
[54] **PROCEDE DE PREPARATION DE**  
**PHENOLS**  
[54] **PROCESS FOR THE**  
**PREPARATION OF PHENOLS**  
[72] Gubelmann, Michel, FR  
[72] Tirel, Philippe-Jean, FR  
[72] Popa, Jean-Michel, FR  
[73] RHODIA CHIMIE, FR  
[22] 1990-06-21  
[30] FR (89 08 582) 1989-06-22

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[13] C  
[51] **Int.Cl. 5C12N 15/62 5C12N 15/13**  
**5A61K 39/395 6C07K 16/46**  
[25] EN  
[54] **BISPECIFIC AND OLIGOSPECIFIC**  
**MONO- AND OLIGOVALENT**  
**RECEPTORS, THE PREPARATION**  
**AND USE THEREOF**  
[54] **RECEPTEURS BISPECIFIQUES ET**  
**OLIGOSPECIFIQUES MONO- ET**  
**OLIGOVALENTS, PREPARATION ET**  
**UTILISATION**  
[72] Steinstraßer, Axel, DE  
[72] Kuhlmann, Ludwig, DE  
[72] Seemann, Gerhard, DE  
[72] Hermentin, Peter, DE  
[72] Bosslet, Klaus, DE  
[73] BEHRINGWERKE  
AKTIENGESELLSCHAFT, DE  
[22] 1990-06-21  
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[51] **Int.Cl. 5C07D 409/08 5C07D 295/033 5C07D 407/08 5C07D 491/113 5A61K 31/38 5A61K 31/445**  
[25] EN  
[54] **SUBSTITUTED ARYLAMINES AND HETEROARYLAMINES, THEIR PREPARATION PROCESS AND PHARMACEUTICAL COMPOSITION CONTAINING THEM**  
[54] **ARYLAMINES ET HETEROARYLAMINES SUBSTITUEES, PROCEDE DE PREPARATION ET COMPOSE PHARMACEUTIQUE LES CONTENANT**  
[72] Kamenka, Jean-Marc, FR  
[72] Costentin, Jean, FR  
[72] Chicheportiche, Robert Rubin, FR  
[72] Privat, Alain, FR  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR  
[22] 1990-06-22  
[30] FR (89 08704) 1989-06-29

[11] **2,021,594**  
[13] C

[51] **Int.Cl. 5C12P 21/08 5A61K 39/395**  
[25] EN  
[54] **ANTIBODY TO HUMAN INTERLEUKIN-6 RECEPTOR**  
[54] **ANTICORPS CONTRE LE RECEPTEUR DE L'INTERLEUKINE-6 HUMAINE**  
[72] Kishimoto, Tadimitsu, JP  
[73] Kishimoto, Tadimitsu, JP  
[22] 1990-07-19  
[30] JP (01-186016) 1989-07-20

[11] **2,023,290**  
[13] C

[51] **Int.Cl. 5A23L 1/24**  
[25] EN  
[54] **EMULSIFYING AGENT**  
[54] **EMULSIFIANT**  
[72] Kwon, Steven Soon-Young, US  
[72] Castle, Edward R., US  
[72] Vadehra, Dharam Vir, US  
[73] SOCIETE DES PRODUITS NESTLE S.A., CH  
[22] 1990-08-15  
[30] US (07/396,851) 1989-08-21

[11] **2,024,699**  
[13] C

[51] **Int.Cl. 5D06M 13/325**  
[25] EN  
[54] **FABRIC SOFTENING**  
[54] **ADOUCISSANT POUR TEXTILES**  
[72] Evans, Huw, GB  
[73] UNILEVER PLC, GB  
[22] 1990-09-05  
[30] GB (8920468.9) 1989-09-11

[11] **2,028,475**  
[13] C

[51] **Int.Cl. 5B65D 85/00**  
[25] EN  
[54] **MOUTHGUARD PACKAGING**  
[54] **CONSTRUCTION D'UN PROTEGE-DENTS**  
[72] Adell, Loren S., US  
[72] Adell, Michael, US  
[73] Adell, Loren S., US  
[73] Adell, Michael, US  
[22] 1990-10-24  
[30] US (427,823) 1989-10-26

[11] **2,029,256**  
[13] C

[51] **Int.Cl. 5A47L 5/12 5F16H 9/24**  
[25] EN  
[54] **DRIVE SYSTEM**  
[54] **SYSTEME DE TRANSMISSION**  
[72] Meyer, Robert B., US  
[72] Lackner, John R., US  
[72] Matuschek, Hans J., US  
[73] Scott Fetzer Company (The), US  
[22] 1990-11-02  
[30] US (442,615) 1989-11-29

[11] **2,030,989**  
[13] C

[51] **Int.Cl. 5F01D 5/28 5B23P 15/04**  
[25] EN  
[54] **HIGH TEMPERATURE - LOW TEMPERATURE ROTOR FOR TURBINES**  
[54] **ROTOR DE TURBINE RESISTANT AUX HAUTES ET AUX BASSES TEMPERATURES**  
[72] Clark, Robert Edward, US  
[72] Novak, Robert Leonard, US  
[72] Amos, Dennis Ray, US  
[73] WESTINGHOUSE ELECTRIC CORPORATION, US  
[22] 1990-11-28  
[30] US (442,966) 1989-11-29

[11] **2,031,578**  
[13] C

[51] **Int.Cl. 5C07D 207/34**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF MOLLUSCICIDAL 2,4,5-TRIBROMOPYRROLE-3-CARBONITRILE COMPOUNDS**  
[54] **PROCEDE DE PREPARATION DE COMPOSES MOLLUSCICIDES A BASE DE 2,4,5-TRIBROMOPYRROLE-3-CARBONITRILE**  
[72] Kameswaran, Venkataraman, US  
[73] AMERICAN CYANAMID COMPANY, US  
[22] 1990-12-05  
[30] US (07/447,961) 1989-12-07

[11] **2,032,646**  
[13] C

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[54] **LANDSCAPE EDGING SYSTEM**  
[54] **BANDE PERMETTANT DE FORMER DES BORDURES**  
[72] Herrema, Robert T., US  
[72] Windemuller, Steven C., US  
[73] Herrema, Robert T., US  
[73] Windemuller, Steven C., US  
[22] 1990-12-19  
[30] US (457,929) 1989-12-27

[11] **2,034,393**  
[13] C

[51] **Int.Cl. 5D06M 13/322 5D06M 13/402**  
[25] EN  
[54] **STABILISATION OF DYEINGS ON POLYAMIDE FIBRES**  
[54] **PROCEDE DE STABILISATION DES TEINTURES SUR FIBRES DE POLYAMIDE**  
[72] Reinert, Gerhard, CH  
[72] Fuso, Francesco, CH  
[73] CIBA SPECIALTY CHEMICALS HOLDING INC., CH  
[22] 1991-01-17  
[30] CH (173/90-5) 1990-01-19

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[13] C  
[51] **Int.Cl. 5C08G 18/78 5C09D 175/04**  
[25] EN  
[54] **THE USE OF ISOCYANATES CONTAINING URETHANE GROUPS AS DRYING AGENTS AND A PROCESS FOR THE PRODUCTION OF A COATING COMPOSITION**  
[54] **UTILISATION D'ISOCYANATES RENFERMENT DES GROUPEMENTS URETHANE COMME AGENTS DE DESSICCATION ET METHODE DE PRODUCTION D'UNE COMPOSITION DE REVETEMENT**  
[72] König, Klaus, DE  
[72] Pedain, Josef, DE  
[72] Schwindt, Jurgen, DE  
[72] Schonborn, Manfred, DE  
[73] BAYER AKTIENGESELLSCHAFT, DE  
[22] 1991-01-25  
[30] DE (P 40 05 763.1) 1990-02-23

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[11] **2,037,701**  
[13] C  
[51] **Int.Cl. 5B65H 9/00**  
[25] EN  
[54] **MECHANISM AND METHOD FOR LATERALLY ALIGNING AN ACCUMULATION OF SHEETS**  
[54] **METHODE ET MECANISME DE RECTIFICATION LATERALE D'UN PAQUET DE FEUILLES**  
[72] Miller, Carl Albert, US  
[72] Silverberg, Morton, US  
[72] Supron, Steven Andrew, US  
[73] PITNEY BOWES INC., US  
[22] 1991-03-07  
[30] US (491,887) 1990-03-12

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[11] **2,038,105**  
[13] C  
[51] **Int.Cl. 5E21B 33/126**  
[25] EN  
[54] **INFLATABLE PACKING ELEMENT**  
[54] **ELEMENT OBTURATEUR GONFLABLE**  
[72] Mody, Rustom K., US  
[72] Halbardier, Floyd Adolph (deceased), US  
[73] BAKER HUGHES INCORPORATED, US  
[22] 1991-03-12  
[30] US (492,841) 1990-03-13

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[11] **2,038,524**  
[13] C  
[51] **Int.Cl. 5E04G 9/00 5E04G 11/00**  
[25] EN  
[54] **FORM AND METHOD OF CONSTRUCTING A WALL FROM POURABLE CONCRETE MATERIAL**  
[54] **FORME ET PROCEDE POUR CONSTRUIRE UN MUR A PARTIR DE BETON COULE**  
[72] Bryant, Stanley, AU  
[73] NEWTEC CONCRETE CONSTRUCTIONS PTY LTD., AU  
[22] 1991-03-18  
[30] AU (PJ9151) 1990-03-19

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[11] **2,038,598**  
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[51] **Int.Cl. 5G09G 3/00**  
[25] EN  
[54] **LCD TOUCH SCREEN**  
[54] **ECRAN TACTILE A CRISTAUX LIQUIDES**  
[72] May, Gregory J., US  
[73] HEWLETT-PACKARD COMPANY, US  
[22] 1991-03-19  
[30] US (529,099) 1990-05-25

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[11] **2,038,744**  
[13] C  
[51] **Int.Cl. 5A61K 47/14**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION CONTAINING SLIGHTLY WATER-SOLUBLE DRUG**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN MEDICAMENT LEGEREMENT HYDROSOLUBLE**  
[72] Iwao, Toru, JP  
[72] Hirai, Ken-ichi, JP  
[72] Kondoh, Nobuo, JP  
[72] Yamanouchi, Koichi, JP  
[72] Yokoyama, Kazumasa, JP  
[73] WELFIDE CORPORATION, JP  
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[30] JP (73695/1990) 1990-03-23

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[51] **Int.Cl. 5B65H 7/02**  
[25] EN  
[54] **MACHINE FOR SORTING GRAPHIC AND/OR PRINTING PRODUCTS**  
[54] **MACHINE DE TRI DE GRAPHIQUES ET/OU D'IMPRESSION**  
[72] Ballestrazzi, Aris, IT  
[72] Tassi, Lamberto, IT  
[73] Sitma S.p.A., IT  
[22] 1991-04-02  
[30] IT (19931 A/90) 1990-04-03

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[13] C  
[51] **Int.Cl. 5B65H 5/30**  
[25] EN  
[54] **INSERTION OF SUPPLEMENTS INTO NEWSPAPERS**  
[54] **INSERTION D'ENCARTS DANS LES JOURNAUX**  
[72] Backman, Ralf, SE  
[73] Idab Wamac Aktiebolag, SE  
[85] 1991-05-03  
[86] 1990-10-05 (PCT/SE90/00643)  
[87] (WO91/04934)  
[30] SE (89 03 283-3) 1989-10-06

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[11] **2,040,580**  
[13] C  
[51] **Int.Cl. 5G02C 7/04**  
[25] EN  
[54] **RIGID GAS PERMEABLE LENSES**  
[54] **LENTILLES CORNEENNES RIGIDES PERMEABLES AUX GAZ**  
[72] Freeman, Michael Harold, GB  
[72] Meyers, William E., US  
[73] PBH Diffractive Lenses Limited, GB  
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[30] GB (9008577.0) 1990-04-17

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[25] EN  
[54] **ALKENYL SUBSTITUTED STABILIZERS**  
[54] **STABILISATEURS A SUBSTITUTION PAR DES ALCENYLS**  
[72] Odorisio, Paul A., US  
[72] Babiarz, Joseph E., US  
[72] Meuwly, Roger, CH  
[72] Rutsch, Werner, CH  
[73] CIBA SPECIALTY CHEMICALS HOLDING INC., CH  
[22] 1991-04-22  
[30] US (515,013) 1990-04-24  
[30] US (515,024) 1990-04-24

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[11] **2,042,001**  
[13] C

[51] **Int.Cl. 6C07K 7/06 6A61K 38/08 5C12Q 1/56 5G01N 33/86**  
[25] EN  
[54] **PEPTIDE AMIDES, PROCESSES FOR THE PREPARATION THEREOF AND AGENTS CONTAINING THESE AS FIBRIN/THROMBIN CLOTTING INHIBITORS**  
[54] **AMIDES PEPTIDIQUES, LEUR MODE DE PREPARATION ET LES AGENTS QUI EN CONTIENNENT, COMME LES INHIBITEURS DE LA COAGULATION DE LA FIBRINE/THROMBINE**  
[72] Stüber, Werner, DE  
[72] Fickenscher, Karl, DE  
[73] DADE BEHRING MARBURG GMBH, DE  
[22] 1991-05-07  
[30] DE (P 40 14 655.3) 1990-05-08

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[51] **Int.Cl. 5C07H 3/06 5C08B 37/00**  
[25] EN  
[54] **POLYDEXTROSE COMPOSITIONS**  
[54] **COMPOSITIONS DE POLYDEXTROSE**  
[72] Bunick, Frank J., US  
[72] Luo, Shihuh Johnson, US  
[73] DANISCO CULTOR AMERICA, INC., US  
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[51] **Int.Cl. 5B32B 5/20 5B29C 67/20 5B32B 5/28**  
[25] EN  
[54] **METHOD OF FORMING AN ARTICLE CONSISTING OF A FOAM CORE AND ONE OR MORE COVERING LAYERS**  
[54] **PROCEDE D'OBTENTION D'UN ARTICLE FAIT D'UN NOYAU EN MOUSSE ENTOURE D'UNE OU PLUSIEURS COUCHES**  
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[73] AIREX AG, CH  
[22] 1991-05-27  
[30] NL (9001522) 1990-07-04

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[54] **METHOD OF TRANSMITTING A PICTURE SEQUENCE OF A FULL-MOTION VIDEO SCENE, AND A MEDIUM FOR SAID TRANSMISSION**  
[54] **METHODE ET SUPPORT DE TRANSMISSION DE SEQUENCES D'IMAGES VIDEO ANIMEES**  
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[72] van der Meer, Jan, NL  
[73] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL  
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[13] C

[51] **Int.Cl. 5B01J 13/04 5B01J 13/12 5A61K 9/50**  
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[54] **DRAIN POUR LES PLAIES RACCORDE A UN RESERVOIR**  
[72] Broadnax, Cecil Harridell, Jr., US  
[73] JOHNSON & JOHNSON MEDICAL INC., US  
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[13] C

[51] **Int.Cl. 5C25D 13/02 5H01B 12/00**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR FABRICATION OF SILVER COATED HIGH TEMPERATURE CERAMIC SUPERCONDUCTOR FIBER ON METAL SUBSTRATE**  
[54] **PROCEDE ET DISPOSITIF POUR L'OBTENTION D'UNE FIBRE CERAMIQUE SUPRACONDUCTRICE ARGENTEE SUR SUPPORT METALLIQUE**  
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[72] Fisher, Michael V., US  
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[51] **Int.Cl. 5H01J 29/07**  
[25] EN  
[54] **COLOR PICTURE TUBE HAVING IMPROVED SHADOW MASK FRAME**  
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[73] VIDEOCOLOR, S.p.A., IT  
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[13] C

[51] **Int.Cl. 5H04B 7/26**  
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[54] **TRANSFERT D'UNE STATION MOBILE ENTRE UN CANAL A DEMI-TARIF ET UN CANAL A PLEIN TARIF**  
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[13] C

[51] **Int.Cl. 5C07D 471/06 5C07D 219/06 5A61K 31/47**  
[25] EN  
[54] **ANTINEOPLASTIC MODIFIED IMIDAZOACRIDINES**  
[54] **IMIDAZOACRIDINES MODIFIEES PAR DES COMPOSES ANTINEOPLASTIQUES**  
[72] Cholody, Weislaw M., PL  
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[73] BTG INTERNATIONAL LIMITED, GB  
[22] 1991-09-16  
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[13] C

[51] **Int.Cl. 5C12M 3/06 5C12M 1/12**  
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[54] **APPAREIL DE CULTURE DES TISSUS**  
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[54] **SYSTEME ET METHODE DE RACCORDEMENT FLUIDIQUE**  
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[13] C

[51] **Int.Cl. 5H01J 29/87**  
[25] EN  
[54] **CATHODE-RAY TUBE HAVING IMPLOSION PROTECTION BAND**  
[54] **TUBE CATHODIQUE A BANDE DE PROTECTION ANTI-IMPLOSION**  
[72] Maresca, Alfredo, IT  
[73] VIDEOCOLOR, S.p.A., IT  
[22] 1991-09-17  
[30] IT (21603 A/90) 1990-09-28

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[13] C

[51] **Int.Cl. 5G03F 7/038**  
[25] EN  
[54] **METHOD FOR PREPARING LITHOGRAPHIC PRINTING PLATE**  
[54] **METHODE PERMETTANT DE PREPARER UNE PLAQUE D'IMPRESSIION DE LITHOGRAPHIE**  
[72] Toyama, Tadao, JP  
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[73] Fuji Photo Film Co., Ltd., JP  
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[13] C

[51] **Int.Cl. 5C08F 116/02 5C08J 9/00 5C08L 75/04 5C08L 25/18 5C08G 18/32**  
[25] EN  
[54] **POLYMER POLYOLS CONTAINING HALOGENATED AROMATIC MONOMERS**  
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[51] **Int.Cl. 5H05K 9/00**  
[25] EN  
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[54] **BLINDAGE ELECTROMAGNETIQUE AVEC ADHESIF DISCONTINU**  
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[73] Schlegel Corporation, US  
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[54] **PROCESS FOR THE PREPARATION OF A LIGAND-RECEPTOR COMPLEX**  
[54] **PROCEDE DE PREPARATION D'UN COMPLEXE LIGAND-RECEPTEUR**  
[72] Denis, Alain, FR  
[72] Kieda, Claudine, FR  
[72] Monsigny, Michel, FR  
[72] Perrier, Pierre, FR  
[72] Redziniak, Gérard, FR  
[73] Parfums Christian Dior, FR  
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[51] **Int.Cl. 6C07K 14/79 6A61K 38/40**  
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[54] **A PROCESS FOR THE PREPARATION OF A PASTEURIZED AND IRON-FREE HUMAN TRANSFERRIN**  
[54] **UN PROCEDE DE PREPARATION D'UNE TRANSFERRINE SANS FER HUMAINE PASTEURISEE ET SON UTILISATION**  
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[73] AVENTIS BEHRING GMBH, DE  
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[25] EN  
[54] **THREE-LAYER LAMINATED PANEL**  
[54] **PANNEAU STRATIFIE TROIS COUCHES**  
[72] Brown, Craig C., US  
[73] JOHNSON & JOHNSON MEDICAL INC., US  
[22] 1992-01-29  
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[51] **Int.Cl. 5B32B 5/08 5B22F 3/10 5C04B 35/76 5C04B 35/80**  
[25] EN  
[54] **MIXED FIBER COMPOSITE STRUCTURES: METHOD OF PREPARATION, ARTICLES THEREFROM AND USES THEREFOR**  
[54] **STRUCTURES COMPOSITES DE FIBRES MIXTES : METHODE DE FABRICATION, ARTICLES FABRIQUES ET USAGE DE CES ARTICLES**  
[72] Tatarchuk, Bruce J., US  
[72] Rose, Millard F., US  
[72] Krishnagopalan, Aravamuthan, US  
[72] Zabasajja, John N., US  
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[73] KRAFT FOODS, INC., US  
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[13] C

[51] **Int.Cl. 5B01J 8/02 5B01D 15/00 5C01B 15/013**  
[25] EN  
[54] **METHOD FOR PURIFYING HYDROGEN PEROXIDE FOR MICROELECTRONICS USES**  
[54] **METHODE D'EPURATION DE PEROXYDE D'HYDROGENE POUR APPLICATIONS EN MICRO-ELECTRONIQUE**  
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[51] **Int.Cl. 5H04N 7/167**  
[25] EN  
[54] **CABLE SUBSCRIBER CONTROL DEVICE USING SHARED JAMMING MODULES**  
[54] **DISPOSITIF DE CONTROLE A MODULES DE BLOCAGE MIS EN COMMUN POUR ABONNE DU CABLE**  
[72] Gurusami, Aravanan, US  
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[72] Strong, Thomas, US  
[72] Jacek, Victor, US  
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[51] **Int.Cl. 5B29C 65/20**  
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[54] **SOUDAGE ENTIEREMENT STERILE DE TUBES EN PLASTIQUE**  
[72] Spencer, Dudley W. C., US  
[72] Shaposka, John B., US  
[72] Beird, Robert J., US  
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[30] US (682,977) 1991-04-10  
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[13] C  
[51] **Int.Cl. 5A61K 47/36 5A61K 9/22**  
[25] EN  
[54] **DRUG DELIVERY SYSTEM,  
METHOD FOR PREPARING THE SAME  
AND USE THEREOF**  
[54] **SYSTEME D'ADMINISTRATION  
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[54] **SUPPORT ARTICULE POUR LA  
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DISQUE**  
[72] ELLIOTT, D. Bruce, CA  
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[54] **FARINE DE BOIS ET METHODE  
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[54] **COQUE RIGIDE ENVELOPPANTE,  
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ETANCHE**  
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[30] FR (89 13479) 1989-10-16

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[51] **Int.Cl. 5H04N 13/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
RECORDING IMAGES WITH A SINGLE  
IMAGE RECEIVER FOR  
AUTOSTEREOSCOPIC DISPLAY**  
[54] **METHODE ET APPAREIL  
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AUTOSTEREOSCOPIQUE**  
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5A61K 31/425 5A61K 31/44 5A61K 31/495  
5A61K 31/535**  
[25] EN  
[54] **2-ARYLTHIAZOLE DERIVATIVES  
AND PHARMACEUTICAL  
COMPOSITION THEREOF**  
[54] **DERIVES DE 2-ARYLTHIAZOLE  
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DERIVES**  
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[72] Tsuchimoto, Masahiro, JP  
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[51] **Int.Cl. 5B01D 53/36 5F23D 5/00  
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[54] **PROCEDE CATALYTIQUE**  
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SYSTEM**  
[54] **SYSTEME DE SUSPENSION  
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[72] Kyriacou, Nestor E., CY  
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[86] 1991-03-26 (PCT/GB91/00455)  
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[54] **PHOTODYNAMIC PLANT  
DEFOLIANTS AND CHLOROPHYLL  
BIOSYNTHESIS MODULATORS**  
[54] **DEFOLIANTS  
PHOTODYNAMIQUES A BASE DE  
MODULATEURS DE LA BIOSYNTHESE  
CHLOROPHYLLIENNE**  
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[13] C

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5C08L 33/02 5C08L 23/12**  
[25] EN  
[54] **GOLF BALL CORE  
COMPOSITIONS**  
[54] **COMPOSITIONS ENTRANT DANS  
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BALLE DE GOLF**  
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[25] EN  
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INSULATIVE SNAP-IN SUPPORT  
MEANS**  
[54] **PANNEAU A ORGANES-SUPPORT  
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[13] C

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[25] EN  
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OVERCOAT FOR COATED  
SUBSTRATES**  
[54] **COUCHE RESISTANTE A  
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[73] Cardinal IG Company, US  
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[13] C

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[25] EN  
[54] **APPARATUS FOR  
MANUFACTURING PREFORMS FOR  
BLOW MOLDING OF BELLOWS**  
[54] **APPAREIL POUR LA  
FABRICATION DE PREFORMES POUR  
LE MOULAGE PAR SOUFFLAGE DE  
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[73] Ossberger-Turbinenfabrik GmbH & Co.,  
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[51] **Int.Cl. 5C12P 7/62 5C12N 15/01  
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[25] EN  
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PRODUCTION**  
[54] **PRODUCTION DE COPOLYMERE  
DE HV/HB**  
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[72] Byrom, David, GB  
[73] MONSANTO COMPANY, US  
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[86] 1991-05-24 (PCT/EP91/00978)  
[87] (WO91/18995)  
[30] GB (9011777.1) 1990-05-25

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[11] **2,084,188**  
[13] C

[51] **Int.Cl. 5G11B 5/86 5G11B 5/52**  
[25] EN  
[54] **DUAL DECK VIDEO CASSETTE  
RECORDER WITH COPY  
PREVENTION**  
[54] **MAGNETOSCOPE A CASSETTE  
DOUBLE PLATINE DOTE D'UN  
DISPOSITIF ANTIDUPLICATION**  
[72] Dunlap, R. Terren, US  
[72] Berkheimer, John R., US  
[72] Woodman, Duane C., US  
[73] GO-VIDEO, INC., US  
[85] 1992-12-22  
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[87] (WO92/00649)  
[30] US (546,360) 1990-06-29

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[11] **2,085,890**  
[13] C  
[51] **Int.Cl. 5H04K 1/04 5H04J 15/00**  
**5H04B 7/216 5H04B 7/26 5H04L 27/32**  
**5H04B 1/76**  
[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] Gilhousen, Klein S., US  
[72] Jacobs, Irwin M., US  
[72] Padovani, Roberto, US  
[72] Weaver, Lindsay A., Jr., US  
[72] Wheatley, Charles E., III, US  
[72] Viterbi, Andrew J., US  
[73] QUALCOMM INCORPORATED, US  
[85] 1992-12-18  
[86] 1991-06-21 (PCT/US91/04400)  
[87] (WO92/00639)  
[30] US (543,496) 1990-06-25

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[13] C  
[51] **Int.Cl. 5B24D 3/34**  
[25] EN  
[54] **ABRASIVE PRINTED WITH AN**  
**ELECTRICALLY CONDUCTIVE INK**  
[54] **ARTICLE ABRASIF IMPRIME**  
**AVEC UNE ENCRE CONDUCTRICE**  
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[72] Chang, Kwo-Dong A., US  
[73] MINNESOTA MINING AND  
MANUFACTURING COMPANY, US  
[85] 1993-01-05  
[86] 1991-07-22 (PCT/US91/05136)  
[87] (WO92/02336)  
[30] US (564,715) 1990-08-08  
[30] US (592,223) 1990-10-09

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[11] **2,088,069**  
[13] C  
[51] **Int.Cl. 5A61M 3/02**  
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[54] **MEDICAL LAVAGE APPARATUS**  
**APPAREIL DE LAVAGE MEDICAL**  
[72] Davis, Richard C., US  
[73] Ballard Medical Products, US  
[85] 1993-01-26  
[86] 1991-09-17 (PCT/US91/06592)  
[87] (WO92/04925)  
[30] US (07/584,141) 1990-09-18

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[11] **2,088,353**  
[13] C  
[51] **Int.Cl. 5A61B 5/03**  
[25] EN  
[54] **METHOD AND APPARATUS FOR**  
**MEASURING INTRACRANIAL**  
**PRESSURE**  
[54] **METHODE ET APPAREIL DE**  
**MESURE DE LA PRESSION**  
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[72] Mick, Edwin C., US  
[73] Medys, Inc., US  
[85] 1993-01-28  
[86] 1991-07-30 (PCT/US91/05394)  
[87] (WO92/02174)  
[30] US (560,162) 1990-07-31

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[11] **2,089,571**  
[13] C  
[51] **Int.Cl. 5G02B 5/124**  
[25] EN  
[54] **RETROREFLECTIVE MATERIAL**  
**WITH IMPROVED ANGULARITY**  
[54] **MATERIAU**  
**RETROREFLECHISSANT A**  
**ANGULARITE AMELIOREE**  
[72] Szczech, Theodore Joseph, US  
[73] MINNESOTA MINING AND  
MANUFACTURING COMPANY, US  
[85] 1993-02-15  
[86] 1991-07-29 (PCT/US91/05361)  
[87] (WO92/04647)  
[30] US (07/579,566) 1990-09-10

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[11] **2,090,141**  
[13] C  
[51] **Int.Cl. 5C02F 11/00 5B09B 1/00**  
**5E02D 17/18**  
[25] EN  
[54] **TREATMENT OF MINERAL**  
**TAILINGS**  
[54] **TRAITEMENT DES RESIDUS**  
**MINIERS**  
[72] Davies, Peter, ZA  
[73] Davies, Peter, ZA  
[22] 1993-02-23  
[30] ZA (92/1312) 1992-02-24

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[13] C  
[51] **Int.Cl. 5A23K 1/18**  
[25] EN  
[54] **FLAVOR COMPOSITION FOR PET**  
**FOOD**  
[54] **COMPOSITION DE SAPIDITE**  
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[72] Gierhart, Dennis L., US  
[72] Hogan, William Charles, US  
[73] APPLIED FOOD BIOTECHNOLOGY,  
INC., US  
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[86] 1991-08-28 (PCT/US91/06150)  
[87] (WO92/03931)  
[30] US (577,114) 1990-09-04

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[13] C  
[51] **Int.Cl. 5A61K 39/00**  
[25] EN  
[54] **TREATMENT OF AUTOIMMUNE**  
**DISEASES BY ORAL**  
**ADMINISTRATION OF**  
**AUTOANTIGENS**  
[54] **TRAITEMENT DE MALADIES**  
**AUTO-IMMUNES PAR**  
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**D'AUTOANTIGENES**  
[72] Weiner, Howard L., US  
[72] Hafler, David A., US  
[73] AUTOIMMUNE INC., US  
[85] 1993-03-29  
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[87] (WO92/06708)  
[30] US (596,936) 1990-10-15

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[11] **2,094,804**  
[13] C  
[51] **Int.Cl. 5A61B 5/04**  
[25] EN  
[54] **METHOD AND APPARATUS FOR**  
**IMAGING ELECTRICAL ACTIVITY IN**  
**A BIOLOGICAL SYSTEM**  
[54] **METHODE ET APPAREIL**  
**SERVANT A PRODUIRE UNE IMAGE**  
**DE L'ACTIVITE ELECTRIQUE DANS**  
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[73] MASSACHUSETTS INSTITUTE OF  
TECHNOLOGY, US  
[85] 1993-04-23  
[86] 1991-10-23 (PCT/US91/07994)  
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[30] US (604,142) 1990-10-26

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[13] C

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[25] EN  
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[54] **COAGENTS EMPECHANT LA REVERSION DANS LA VULCANISATION DU CAOUTCHOUC**  
[72] Hogt, Andreas Herman, NL  
[72] Talma, Auke Gerardus, NL  
[72] de Block, Rudolf Frank, NL  
[72] Datta, Rabindra Nath, NL  
[73] Akzo N.V., NL  
[85] 1993-04-28  
[86] 1991-10-29 (PCT/EP91/02048)  
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[13] C

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[25] EN  
[54] **SEAM FOR FABRICS**  
[54] **JOINTURE POUR TISSUS**  
[72] Lidar, Per-Ola, SE  
[73] SCAPASCANDIA AB, SE  
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[13] C

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[25] EN  
[54] **LOW-PALMITIC, REDUCED-TRANS MARGARINES AND SHORTENINGS**  
[54] **MARGARINES ET SHORTENINGS A FAIBLE TENEUR EN ACIDE PALMITIQUE ET ACIDES GRAS TRANS**  
[72] Wheeler, Edward L., US  
[72] Chrysam, Michael, US  
[72] Otterburn, Michael S., US  
[72] Leveille, Gilbert A., US  
[73] NABISCO, INC., US  
[85] 1993-09-03  
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[87] (WO92/15200)  
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[11] **2,107,624**  
[13] C

[51] **Int.Cl. 5G05D 16/20**  
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[54] **ETALONNAGE D'UN CONVERTISSEUR ELECTRO-PNEUMATIQUE**  
[72] Seberger, Stephen G., US  
[72] Grumstrup, Bruce F., US  
[72] Gassman, George W., US  
[73] FISHER CONTROLS INTERNATIONAL, INC., US  
[22] 1993-10-04  
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[13] C

[51] **Int.Cl. 5F24H 1/50**  
[25] EN  
[54] **COMBINED WATER HEATER AND HEAT EXCHANGER**  
[54] **GROUPE CHAUFFE-EAU ET ECHANGEUR DE CHALEUR**  
[72] Lannes, Eric M., US  
[73] Bradford-White Corporation, US  
[22] 1993-10-12  
[30] US (08/084,406) 1993-06-29

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[11] **2,108,298**  
[13] C

[51] **Int.Cl. 5G08B 13/22**  
[25] EN  
[54] **SHOPPING CART RECEIVER ALARM SYSTEM**  
[54] **SYSTEME D'ALARME POUR POUSSETTE DE MARCHÉ**  
[72] MacIntyre, Daniel Carey, US  
[73] Wild's -Wild Things, Inc., US  
[22] 1993-10-13

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[11] **2,113,214**  
[13] C

[51] **Int.Cl. 5G06F 15/20**  
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[54] **MEASURING APPARATUS**  
[54] **APPAREIL DE MESURE**  
[72] Scott, Donald Anthony, NZ  
[73] IFR TECHNOLOGIES LIMITED, NZ  
[22] 1994-01-11  
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[13] C

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[25] EN  
[54] **A RING FOR SWAGING AND METHOD OF FABRICATING IT**  
[54] **ANNEAU D'ETAMPAGE ET METHODE DE FABRICATION**  
[72] Calmettes, Lionel, FR  
[72] Detable, Pascal, FR  
[72] Michel, André, FR  
[73] Etablissements Caillau, FR  
[22] 1994-01-17  
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[11] **2,115,997**  
[13] C

[51] **Int.Cl. 5B32B 3/26 5B32B 5/20**  
[25] EN  
[54] **THERMOFORMABLE COMPOSITE SHEET**  
[54] **FEUILLE COMPOSITE THERMOFORMABLE**  
[72] Zafiroglu, Dimitri Peter, US  
[73] XYMID L.L.C., US  
[85] 1994-02-18  
[86] 1991-08-20 (PCT/US91/05913)  
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[11] **2,116,560**  
[13] C

[51] **Int.Cl. 5C12Q 1/04 5C12Q 1/02 5C12Q 1/68**  
[25] EN  
[54] **MORPHOGENIC PROTEIN SCREENING METHOD**  
[54] **METHODE DE CRIBLAGE DE PROTEINES MORPHOGENIQUES**  
[72] Cohen, Charles M., US  
[72] Kuberasampath, Thangavel, US  
[72] Pang, Roy H. L., US  
[72] Oppermann, Hermann, US  
[72] Rueger, David C., US  
[72] Ozkaynak, Engin, US  
[72] Smart, John E., US  
[73] CURIS, INC., US  
[85] 1994-02-25  
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[87] (WO93/05172)  
[30] US (752,861) 1991-08-30

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[13] C

[51] Int.Cl. 5F23G 7/04 5D21C 11/12  
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[54] COMBUSTION DE DECHETS LIQUIDES  
[72] Svensk, Lennart, SE  
[72] Trusler, Winston, ZA  
[72] Van Rensburg, Salmon Janse, ZA  
[73] KVAERNER PULPING AKTIEBOLAG, SE  
[85] 1994-03-04  
[86] 1992-06-04 (PCT/SE92/00384)  
[87] (WO93/05228)  
[30] SE (9102546.0) 1991-09-05

[11] 2,118,113  
[13] C

[51] Int.Cl. 5C12N 15/62 6C07K 19/00 5C12N 5/10 5C12N 15/25 5C12N 15/29 6C07K 14/415 6C07K 14/545 5C12N 15/82  
[25] EN  
[54] OIL-BODY PROTEINS AS CARRIERS OF HIGH-VALUE PEPTIDES IN PLANTS  
[54] PROTEINES DE CORPS OLEAGINEUX COMME VECTEURS DE PEPTIDES DE GRANDE VALEUR CHEZ LES PLANTES  
[72] MOLONEY, MAURICE M., CA  
[73] SemBioSys Genetics Inc., CA  
[85] 1994-10-13  
[86] 1992-04-15 (PCT/CA92/00161)  
[87] (WO93/21320)

[11] 2,118,857  
[13] C

[51] Int.Cl. 5G09F 15/00  
[25] EN  
[54] MODULAR DISPLAY ASSEMBLY  
[54] PRESENTOIR MODULAIRE  
[72] KNORR, Herbert R., CA  
[73] Fedor Expositions Inc., CA  
[22] 1994-03-11

[11] 2,123,230  
[13] C

[51] Int.Cl. 5G06F 15/26  
[25] EN  
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[54] SYSTEME INFORMATISE DE PLANIFICATION DE DEPLACEMENTS  
[72] Garback, Brent J., US  
[73] Garback, Brent J., US  
[85] 1994-05-09  
[86] 1992-11-03 (PCT/US92/09536)  
[87] (WO93/10502)  
[30] US (790,351) 1991-11-12

[11] 2,123,802  
[13] C

[51] Int.Cl. 5B27M 3/00  
[25] EN  
[54] METHOD OF MANUFACTURING SHEET ELEMENTS OF END-WOOD TYPE AND ELEMENT MANUFACTURED THEREBY  
[54] MATERIAU DE REVETEMENT EN FEUILLES ET PROCEDE DE FABRICATION  
[72] Wiklund, Martin, SE  
[73] Wiklund, Martin, SE  
[85] 1994-05-17  
[86] 1993-10-29 (PCT/SE93/00902)  
[87] (WO94/09955)  
[30] SE (9203292-9) 1992-11-04

[11] 2,126,391  
[13] C

[51] Int.Cl. 5C12Q 1/68  
[25] EN  
[54] DETERMINATION OF NUCLEIC ACID BY PCR, MEASUREMENT OF NUMBER OF MICROBIAL CELLS, GENES, OR GENE-COPIES BY PCR, AND MEASURING-KIT EMPLOYED FOR THE SAME  
[54] DETERMINATION D'ACIDES NUCLEIQUES PAR PCR, MESURE DU NOMBRE DE CELLULES MICROBIENNES, DE GENES OU D'EXEMPLAIRES DE GENES PAR PCR ET TROUSSE DE MESURE EMPLOYEE A CETTE FIN  
[72] Yamamoto, Nobuko, JP  
[72] Okamoto, Tadashi, JP  
[72] Tomida, Yoshinori, JP  
[72] Yano, Tetsuya, JP  
[72] Miyazaki, Takeshi, JP  
[72] Kawaguchi, Masahiro, JP  
[73] CANON KABUSHIKI KAISHA, JP  
[22] 1994-06-21  
[30] JP (5-227204) 1993-09-13  
[30] JP (6-22895) 1994-02-21

[11] 2,126,584  
[13] C

[51] Int.Cl. 5D06M 14/00  
[25] EN  
[54] PROCESS FOR THE PREPARATION OF A POLYMERIC ION-EXCHANGE MATERIAL WITH SULFONIC ACID GROUPS, AND MATERIAL OBTAINED  
[54] METHODE DE PREPARATION D'UN POLYMERE ECHANGEUR D'IONS, RENFERMANT DES GROUPES D'ACIDE SULFONIQUE; PRODUIT AINSI OBTENU  
[72] Gavet, Louis, FR  
[72] Chatelin, Roger, FR  
[73] Centre Technique Industriel Dit: Institut Textile de France, FR  
[22] 1994-06-23  
[30] FR (9308037) 1993-06-28

[11] 2,129,185  
[13] C

[51] Int.Cl. 5A23K 1/02 5A23K 1/14 5A23K 1/16  
[25] EN  
[54] CONTINUOUS PROCESS FOR MANUFACTURING ANIMAL FEED BLOCKS  
[54] PROCEDE POUR LA FABRICATION CONTINUE DE BLOCS D'ALIMENTS POUR ANIMAUX  
[72] McKenzie, Russell G., US  
[72] Hurt, Robert P., US  
[72] Jones, Clinton H., US  
[73] ANIMAL FEED SUPPLEMENT, INC., US  
[22] 1994-07-29  
[30] US (08/260,875) 1994-06-16

[11] 2,129,852  
[13] C

[51] Int.Cl. 5A23L 1/304  
[25] EN  
[54] METHOD OF PROVIDING SELENIUM IN NUTRITIONAL PRODUCTS  
[54] METHODE POUR DISTRIBUER DU SELENIUM DANS DES PRODUITS NUTRITIFS  
[72] Borschel, Marlene Wynn, US  
[72] Churella, Helen Rezabek, US  
[72] Yao, Benita Co, US  
[72] Kedzierski, Bogdan Kazimierz, US  
[73] ABBOTT LABORATORIES, US  
[85] 1994-08-09  
[86] 1993-02-08 (PCT/US93/01117)  
[87] (WO93/17585)  
[30] US (848,639) 1992-03-09

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[13] C

[51] **Int.Cl. 5C08J 3/05 5B01F 17/00 5C08L 77/00**  
[25] EN  
[54] **STABLE POLYAMIDE RESIN DISPERSIONS CONTAINING PIPERAZINE AND METHODS FOR THE MANUFACTURE THEREOF**  
[54] **DISPERSIONS STABLES DE RESINE DE POLYAMIDE, RENFERMANT DE LA PIPERAZINE; METHODES DE PREPARATION**  
[72] Smith, George A., US  
[73] Union Camp Corporation, US  
[85] 1994-08-25  
[86] 1992-07-09 (PCT/US92/05758)  
[87] (WO93/02125)  
[30] US (07/734,838) 1991-07-24

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[11] **2,132,951**  
[13] C

[51] **Int.Cl. 5C03C 17/36 5B32B 17/06**  
[25] EN  
[54] **IMPROVED HIGH TRANSMITTANCE, LOW EMISSIVITY COATINGS FOR SUBSTRATES**  
[54] **REVETEMENTS AMELIORES A FACTEUR ELEVE DE TRANSMISSION ET A FAIBLE EMISSIVITE**  
[72] Bond, Robert, US  
[72] Eby, Eric, US  
[72] O'Shaughnessy, Roger, US  
[73] Cardinal IG Company, US  
[85] 1994-09-26  
[86] 1993-03-25 (PCT/US93/02837)  
[87] (WO93/19936)  
[30] US (07/859,576) 1992-03-27

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[11] **2,133,265**  
[13] C

[51] **Int.Cl. 5C02F 3/30**  
[25] EN  
[54] **ANAEROBIC AND AEROBIC INTEGRATED SYSTEM FOR BIOTREATMENT OF TOXIC WASTES (CANOXIS)**  
[54] **SYSTEME INTEGRE ANAEROBIE ET AEROBIE POUR LE BIOTRAITEMENT DE DECHETS TOXIQUES (CANOXIS)**  
[72] GUIOT, SERGE, CA  
[73] GUIOT, SERGE, CA  
[22] 1994-09-29

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[11] **2,134,274**  
[13] C

[51] **Int.Cl. 5B27B 31/00 5B27B 29/00**  
[25] EN  
[54] **END DOGGING DEVICE**  
[54] **DISPOSITIF DE GRIFFAGE PAR LES EXTREMITES**  
[72] ANDERSON, Robin Henry, CA  
[73] ANDERSON, Robin Henry, CA  
[22] 1994-10-25

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[11] **2,134,837**  
[13] C

[51] **Int.Cl. 5F16J 15/20**  
[25] EN  
[54] **COMPOSITE SEALING MATERIAL**  
[54] **MATERIAU COMPOSITE D'ETANCHEITE**  
[72] Ohta, Kazuo, JP  
[72] Kiyosawa, Shunichi, JP  
[72] Seike, Shoji, JP  
[72] Ikami, Toshiichi, JP  
[72] Hishiki, Tatsuya, JP  
[73] TOKYO ELECTRIC POWER SERVICES CO., LTD, JP  
[73] NGK INSULATORS, LTD., JP  
[22] 1994-11-01  
[30] JP (5-274,539) 1993-11-02  
[30] JP (6-253,585) 1994-10-19

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[13] C

[51] **Int.Cl. 5C07C 31/02 5C07C 27/02 5A61K 31/45 5C07C 29/76**  
[25] EN  
[54] **NATURAL MIXTURE COMPOSED OF HIGHER PRIMARY ALIPHATIC ALCOHOLS OBTAINED FROM BEE WAX FOR THE TREATMENT OF GASTRIC AND DUODENAL ULCERS THAT ALSO PRESENTS ANTIINFLAMMATORY ACTIVITY**  
[54] **MELANGE NATUREL COMPOSE D'ALCOOLS ALIPHATIQUES PRIMAIRES SUPERIEURS OBTENUS A PARTIR DE LA CIRE D'ABELLE POUR LE TRAITEMENT DES ULCERES GASTRIQUES ET DUODENaux, QUI PRESENTE AUSSI UNE ACTIVITE ANTIINFLAMMATOIRE**  
[72] Hernández, Juan Magraner, CU  
[72] Granja, Abilio Laguna, CU  
[72] Ferreiro, Rosa Mas, CU  
[72] Valmaña, María de Lourdes Arruzabala, CU  
[72] Quintana, Daysi Carvajal, CU  
[72] Sánchez, Vivian Molina, CU  
[72] García, Suria Valdés, CU  
[72] Gómez, Maritza Díaz, CU  
[73] LABORATORIOS DALMER S.A., CU  
[22] 1994-11-08  
[30] CU (101/93) 1993-11-09

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[11] **2,140,474**  
[13] C

[51] **Int.Cl. 6F16L 27/08 6B05B 15/00**  
[25] EN  
[54] **SWIVEL FLUID FITTING**  
[54] **RACCORD TOURNANT POUR CANALISATION**  
[72] Rodgers, Michael C., US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1995-01-18  
[30] US (08/206,120) 1994-03-04



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[13] C

[51] Int.Cl. 6A01K 61/00  
[25] EN  
[54] PROCESS AND ARRANGEMENT FOR THE SUPPLY OF WATER TO A POND  
[54] METHODE ET INSTALLATION D'APPROVISIONNEMENT EN EAU D'UN ETANG  
[72] Aubert, Karsten, NO  
[72] Frydenbo, Freddy, NO  
[72] Furnes, Gunnar, NO  
[72] Kjersem, Geir L., NO  
[73] Aubert, Karsten, NO  
[73] Frydenbo, Freddy, NO  
[73] Furnes, Gunnar, NO  
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[54] **PROCEDE ET COMPOSITION DE DESINFECTION ET DE SOLIDIFICATION DE DECHETS LIQUIDES**  
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[73] METREX RESEARCH CORPORATION, US  
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[54] **APPAREIL DE COMMANDE ROTATIF**  
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[54] **METHODE ET DISPOSITIF DE TRANSFERT D'UN PRODUIT ALIMENTAIRE PAR SUCCION**  
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[54] **COMMANDE DE LA PHASE DES SIGNAUX LUMINEUX POUR REDUIRE L'ERREUR PAR EFFET KERR DANS UNE FIBRE OPTIQUE DE RESONATEUR**  
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[54] **CHAUSSURE COUSSINEE ET APPAREIL DE FABRICATION CONNEXE**  
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[54] **SYSTEME D'ECHANGE A MODE DE TRANSFERT ASYNCHRONE ET METHODE DE CONTROLE DES PRIORITES**  
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[73] NEC CORPORATION, JP  
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[54] **APPARATUS AND METHOD FOR CONTROLLING MOLECULAR CLUSTER IN FLUID**  
[54] **APPAREIL ET METHODE POUR ELIMINER LES AGREGATS MOLECULAIRES DANS UN FLUIDE**  
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[54] **REVETEMENT DE TAMBOUR: APPAREIL ET PROCÉDES**  
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[72] Godsey, Gregory L., US  
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[54] **SYSTEME DE COMMUTATION MTA A RESEAUX DE DISTRIBUTION SERVANT A FAIRE VARIER LES CONFIGURATIONS DE TRAFIC**  
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[54] **APPARATUS AND METHOD FOR DETERMINATION OF NON-HEMOLYZED LEVELS OF OCCULT BLOOD IN URINE**  
[54] **APPAREIL ET METHODE DE DETERMINATION DE LA PRESENCE DE SANG OCCULTE NON HEMOLYSE DANS L'URINE**  
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[54] **PROCEDE DE FABRICATION DE BASE POUR GOMME A MACHER UTILISANT UNE PLURALITE D'ORIFICES D'ALIMENTATION DE CHARGE**  
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[54] **PROCESS FOR TRANSFORMING BY-PRODUCTS FORMED AT LOW BOILING POINTS DURING THERMAL CRACKING OF 1,2-DICHLOROETHANE**  
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[54] **PRETRAITEMENT DANS UN PROCEDE DE MOUTURE DU BLE**  
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[72] MATSUMOTO, Nobuhiro, JP  
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[54] **APPAREIL ET METHODE DE DETERMINATION DE LA COULEUR D'UN ECHANTILLON D'URINE**  
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[54] **THIN CAST STRIP FORMED OF MOLTEN STEEL, PROCESS FOR ITS PRODUCTION, AND COOLING DRUM FOR THIN CAST STRIP CONTINUOUS CASTING APPARATUS**  
[54] **PIECE FINE COULEE EN ACIER FONDU, PROCEDE DE FABRICATION ET CYLINDRE REFROIDISSEUR POUR DISPOSITIF DE COULAGE CONTINU DE PIECE FINE COULEE**  
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[72] YAMADA, Mamoru, JP  
[72] ARAI, Takashi, JP  
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[54] **CONTINUOUS PROCESS FOR SOLVENT-FREE MANUFACTURING OF COMPOSITE THERMOSETTING PYROTECHNIC PRODUCTS**  
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[72] WIENCEK, Dominique, FR  
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[54] **COMPOSES D'AZETIDINONE SUBSTITUEE PAR LE SOUFRE, UTILISES COMME AGENTS HYPOCHOLESTEROLEMIQUES**  
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[72] DUGAR, Sundeep, US  
[73] SCHERING CORPORATION, US  
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[54] **BOUCHON DISTRIBUTEUR AVEC COMPARTIMENT MESUREUR ET SAUPOUDREUR**  
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[51] **Int.Cl. 6B25B 27/20 6E03B 7/09 6B25B 27/24 6F16K 31/46**  
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[72] KLAPTCHUK, Peter, CA  
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[25] EN  
[54] **ASYNCHRONOUS TRANSFER MODE (ATM) CONNECTION PROTECTION SWITCHING APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE DE COMMUTATION DE SECOURS POUR CONNEXIONS A MODE DE TRANSFERT ASYNCHRONE (MTA)**  
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[54] **GESTION DE CELLULES COURTES ET METHODE**  
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[54] **METHODE ET DISPOSITIF DE DEPLACEMENT D'UN TERRAIN OMNISPORT**  
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[72] AKIMOTO, Kazuyuki, JP  
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[72] TSUTSUI, Taizo, JP  
[72] HIRAKAWA, Hajime, JP  
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[51] **Int.Cl. 6H04L 1/00 6H04B 1/69**  
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[54] **METHODE ET APPAREILLE DE DECODAGE DE SIGNAUX CODES**  
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[73] MOTOROLA, INC., US  
[85] 1997-06-27  
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[13] C  
[51] **Int.Cl. 6A43B 5/16 6A63C 1/42**  
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[54] **CHAUSSURE DE PATIN AVEC SEMELLE EXTERNE ET PRISONNIER RIGIDE**  
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[72] LAFERRIERE, Michel, CA  
[73] SPORT MASKA, INC., CA  
[22] 1997-07-09  
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[11] **2,210,712**  
[13] C  
[51] **Int.Cl. 6B43L 9/04**  
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[54] **INSTRUMENTS PERFECTIONNES SERVANT AU TRACE DE CERCLES**  
[72] STONEBERG, Bruce, US  
[73] SAFE-T PRODUCTS, INC., US  
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[51] **Int.Cl. 6A61M 29/00 6A61B 17/22**  
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[54] **DISPOSITIF MECANIQUE DE TRAITEMENT DES CAILLOTS**  
[72] ENGELSON, Erik T., US  
[72] NGUYEN, Kim, US  
[72] WONG, Rose Y., US  
[72] SAMSON, Gene, US  
[73] TARGET THERAPEUTICS, INC., US  
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[11] **2,212,759**  
[13] C

[51] **Int.Cl. 6H04B 10/08 6H04Q 1/14 6H04Q 3/52**  
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[54] **MODULE OPTIQUE DE SURVEILLANCE ET DE VERIFICATION**  
[72] PIMPINELLA, Richard Joseph, US  
[72] PARZYGNAT, William Joseph, US  
[72] REAGAN, Randy Alan, US  
[72] PALMQUIST, John Mark, US  
[72] LEONE, Frank Salvatore, US  
[72] MOCK, Joel Leslie, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1997-08-12  
[30] US (709,977) 1996-09-09

[11] **2,212,964**  
[13] C

[51] **Int.Cl. 6G01L 3/00**  
[25] EN  
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[54] **DISPOSITIF ET METHODE D'ATTENUATION DES VIBRATIONS DE TORSION D'UN DYNAMOMETRE**  
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[72] LESLIE, Brian R., US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1997-08-13  
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[13] C

[51] **Int.Cl. 6H04N 7/28**  
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[54] **METHOD AND APPARATUS FOR QUANTIZATION PERFORMANCE**  
[54] **METHODE ET APPAREIL POUR AMELIORER LE RENDEMENT DE QUANTIFICATION VECTORIELLE**  
[72] HARTUNG, John, US  
[72] ROSENBERG, Jonathan David, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1997-08-13  
[30] US (718,110) 1996-09-18

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[13] C

[51] **Int.Cl. 6G01N 21/64**  
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[54] **CAPTEUR OPTIQUE FLUORESCENT**  
[72] COLVIN, ARTHUR E., JR., US  
[73] COLVIN, ARTHUR E., JR., US  
[85] 1997-08-20  
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[87] (WO96/26429)  
[30] US (08/393,166) 1995-02-21

[11] **2,215,279**  
[13] C

[51] **Int.Cl. 6B60R 25/04 6E05B 49/04**  
[25] EN  
[54] **ANTI-THEFT SYSTEM AND METHOD FOR A VEHICLE**  
[54] **DISPOSITIF ANTIVOL ET SON UTILISATION SUR UN VEHICULE**  
[72] IWAMOTO, Koji, JP  
[72] KONDO, Motoshi, JP  
[72] KAMIYA, Masachika, JP  
[72] AKATSUKA, Takao, JP  
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
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[30] JP (7-69430) 1995-03-28

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[13] C

[51] **Int.Cl. 6G07D 7/00 6G06K 9/00 6G06M 3/00 6G06M 9/00**  
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[54] **METHOD AND APPARATUS FOR CURRENCY DISCRIMINATION**  
[54] **METHODE ET APPAREIL POUR IDENTIFIER LES BILLETS DE BANQUE**  
[72] BAUCH, Aaron M., US  
[72] SCHREITER, Heinz W., US  
[72] STROMME, Lars R., US  
[72] MUNRO, Mark C., US  
[72] CSULITS, Frank M., US  
[72] JONES, John E., US  
[72] RATERMAN, Donald E., US  
[72] JONES, William J., US  
[72] GRAVES, Bradford T., US  
[72] MENNIE, Douglas U., US  
[72] MAZUR, Richard A., US  
[73] CUMMINS-ALLISON CORP., US  
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[30] US (08/243,807) 1994-05-16  
[30] US (08/287,882) 1994-08-09  
[30] US (08/317,349) 1994-10-04  
[30] US (08/340,031) 1994-11-14  
[30] US (08/362,848) 1994-12-22  
[30] US (08/394,752) 1995-02-27  
[30] US (08/399,854) 1995-03-07

[11] **2,216,058**  
[13] C

[51] **Int.Cl. 6A61M 1/06**  
[25] EN  
[54] **IMPROVED MANUAL BREASTMILK PUMP**  
[54] **TIRE-LAIT MANUEL AMELIORE**  
[72] SILVER, Brian H., US  
[73] MEDELA, INC., US  
[22] 1997-09-17  
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[13] C

[51] **Int.Cl. 6C07D 333/54 6C07F 5/02 6C07D 409/12**  
[25] EN  
[54] **PROCESS FOR 2-SUBSTITUTED BENZO-B|THIOPHENE COMPOUNDS AND INTERMEDIATES THEREOF**  
[54] **PROCEDE DE PREPARATION DE COMPOSES DE BENZO-B|THIOPHENE 2-SUBSTITUES ET LEURS INTERMEDIAIRES**  
[72] PALKOWITZ, Alan David, US  
[72] SALL, Daniel Jon, US  
[72] THRASHER, Kenneth Jeff, US  
[72] HAUSER, Kenneth Lee, US  
[73] ELI LILLY AND COMPANY, US  
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[13] C

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[54] **BALL JOINT AND INTRODUCER FOR VASOOCCLUSIVE MEMBER**  
[54] **JOINT SPHERIQUE ET DISPOSITIF D'INTRODUCTION POUR ELEMENT D'OCCLUSION VASCULAIRE**  
[72] GIA, Son M., US  
[73] TARGET THERAPEUTICS, INC., US  
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[25] EN  
[54] **VAPOUR PHASE CHEMICAL INFILTRATION PROCESS FOR DENSIFYING POROUS SUBSTRATES DISPOSED IN ANNULAR STACKS**  
[54] **PROCEDE D'INFILTRATION CHIMIQUE EN PHASE VAPEUR POUR LA DENSIFICATION DE SUBSTRATS POREUX DISPOSES EN PILES ANNULAIRES**  
[72] CHRISTIN, Francois, FR  
[72] DAUBIGNY, Pierre, FR  
[72] DELAURENS, Pierre, FR  
[72] LELUAN, Jean-Luc, FR  
[73] SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "SNEC MA", FR  
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[13] C

[51] **Int.Cl. 6A61F 13/56**  
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[54] **OPENING TAB FOR DISPOSABLE PULL-ON DIAPERS**  
[54] **LANGUETTE D'OUVERTURE POUR COUCHES JETABLES A ENFILER**  
[72] CHAN, John Geoffrey, CN  
[72] SCHMITZ, Christoph Johann, DE  
[73] THE PROCTER & GAMBLE COMPANY, US  
[22] 1997-10-30  
[30] EP (96117394.5) 1996-10-30

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[13] C

[51] **Int.Cl. 6E04F 15/10**  
[25] EN  
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[54] **COUVRE-PLANCHER ET PROCESSUS DE FABRICATION**  
[72] HECKEL, Klaus, DE  
[72] BUTSCHER, Alfons, DE  
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[73] CARL FREUDENBERG, DE  
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[13] C

[51] **Int.Cl. 6H02B 1/01 6H02B 1/04 6H02B 1/30**  
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[54] **FRAMEWORK FOR SWITCHGEAR CABINETS**  
[54] **CADRE POUR ARMOIRE DE DISTRIBUTION**  
[72] REUTER, Wolfgang, DE  
[72] BENNER, Rolf, DE  
[73] RITTAL-WERK RUDOLF LOH GMBH & CO. KG, DE  
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[13] C

[51] **Int.Cl. 6F16H 48/26 6B60K 23/04**  
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[54] **SYSTEME DE REGULATION DE MOMENT DE LACET POUR VEHICULE**  
[72] SHIBAHATA, Yasuji, JP  
[73] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
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[13] C

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[54] **SYSTEME D'INTERCONNEXION D'ORDINATEURS**  
[72] GREENE, Thomas, US  
[72] HUFFINGTON, James C., US  
[72] HAFER, Kevin J., US  
[72] LACRAMPE, Paul L., US  
[72] SEIFERT, Robert V., Jr., US  
[72] BEASLEY, Danny L., US  
[73] APEX INC., US  
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[72] GREEN, David T., US  
[72] SIENKIEWICZ, Henry, US  
[73] UNITED STATES SURGICAL CORPORATION, US  
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[30] US (07/886,040) 1992-05-19  
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[13] C

[51] **Int.Cl. 6B03C 3/38 6B03C 3/06 6H02M 3/06 6H02M 7/10 6B03C 3/68**  
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[54] **IONISEUR MODULAIRE A FAIBLE CONSOMMATION DE COURANT**  
[72] KRAUSE, HANS W., CA  
[73] DKW International Inc., CA  
[85] 1997-11-19  
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[87] (WO96/38229)  
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[13] C

[51] **Int.Cl. 6C22B 3/08 6C22B 23/00 6C22B 3/14**  
[25] EN  
[54] **CHLORIDE ASSISTED HYDROMETALLURGICAL EXTRACTION OF NICKEL AND COBALT FROM SULPHIDE ORES**  
[54] **EXTRACTION HYDROMETALLURGIQUE, ASSISTEE PAR DES CHLORURES DE NICKEL ET DE COBALT A PARTIR DE MINERAIS SULPHURES**  
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[73] COMINCO ENGINEERING SERVICES LTD., CA  
[85] 1997-11-21  
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[11] **2,223,059**  
[13] C

[51] **Int.Cl. 6B65H 19/22 6B65H 18/06 6B65H 19/30**  
[25] EN  
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[54] **SUPPORT DE BROCHES D'APPAREIL D'ENROULEMENT A TOURELLE REVOLVER**  
[72] McNEIL, Kevin Benson, US  
[72] JOHNSON, James Robert, US  
[72] MYNES, Robert Daniel, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1997-12-02  
[86] 1996-05-22 (PCT/US96/07449)  
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[30] US (08/459,006) 1995-06-02

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[13] C

[51] **Int.Cl. 6B65H 18/08 6B65H 18/02 6B65H 18/10 6B65H 19/22**  
[25] EN  
[54] **METHOD OF WINDING LOGS WITH DIFFERENT SHEET COUNTS**  
[54] **PROCEDE D'ENROULEMENT DE BOBINES AVEC DIFFERENTS NOMBRES DE FEUILLES**  
[72] BYRNE, Thomas Timothy, US  
[72] McNEIL, Kevin Benson, US  
[72] LOCKWOOD, Fredrick, Edward, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1997-12-02  
[86] 1996-05-22 (PCT/US96/07456)  
[87] (WO96/38362)  
[30] US (08/459,212) 1995-06-02

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[13] C

[51] **Int.Cl. 6H04B 7/216 6H04J 13/04 6H04Q 7/22 6H04B 1/707**  
[25] EN  
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[54] **CIRCUIT DE SYNCHRONISATION DE PUCE AMDC**  
[72] SATO, Toshifumi, JP  
[73] NEC CORPORATION, JP  
[22] 1997-11-28  
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[13] C

[51] **Int.Cl. 6A47D 7/00**  
[25] EN  
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[54] **LIT REPLIABLE MONTE DE FACON NON PERMANENTE SUR UN LIT DE BEBE**  
[72] HUANG, Li-Chu Chen, TW  
[73] LINK TREASURE LIMITED, VG  
[22] 1997-12-10

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[11] **2,224,388**  
[13] C

[51] **Int.Cl. 6A61G 1/003 6A61G 1/01**  
[25] EN  
[54] **METHOD OF MOVING HUMAN BODY LYING ON HIS SIDE**  
[54] **PROCEDE VISANT A METTRE SUR LE COTE UN CORPS HUMAIN ALLONGE SUR LE DOS**  
[72] SHIKINAMI, Hiroko, JP  
[72] ONISHI, Shigeru, JP  
[73] Nippon Clean Engine Research Institute Co., Ltd., JP  
[85] 1997-12-10  
[86] 1997-04-10 (PCT/JP97/01251)  
[87] (WO97/38659)  
[30] JP (8/126247) 1996-04-12  
[30] JP (9/61690) 1997-02-08

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[11] **2,224,594**  
[13] C

[51] **Int.Cl. 6D06M 13/192 6D06M 14/04 6D06M 11/38 6D06M 11/50**  
[25] EN  
[54] **PROCESS FOR PREPARING REDUCED ODOR AND IMPROVED BRIGHTNESS INDIVIDUALIZED, POLYCARBOXYLIC ACID CROSSLINKED FIBERS**  
[54] **PROCEDE DE PREPARATION DE FIBRES RETICULEES ET INDIVIDUALISEES D'ACIDE POLYCARBOXYLIQUE A ODEUR LIMITEE ET BRILLANCE ACCRUE**  
[72] DANIELS, Walter Douglas, US  
[72] DUNCAN, William Lloyd, US  
[72] RODRIGUEZ, Pedro Antonio, US  
[72] GRAEF, Peter Allen, US  
[72] COOK, Jeffery Todd, US  
[72] BOLSTAD, Clifford Roy, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[73] Weyerhaeuser Company, US  
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[13] C

[51] Int.Cl. 6D04H 1/46 6A47K 7/02  
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[54] **ARTICLES JETABLES POUR LE NETTOYAGE DE LA PEAU**  
[72] MOORE, Katherine Louise Heinicke, DE  
[72] MALMBAK, Marianne, DE  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1997-12-18  
[86] 1996-06-04 (PCT/US96/08945)  
[87] (WO97/00771)  
[30] EP (95304447.6) 1995-06-23  
[30] EP (95118292.2) 1995-11-21

[11] 2,225,832  
[13] C

[51] Int.Cl. 6H01J 65/00  
[25] EN  
[54] **FLUORESCENT LAMP OF THE EXTERIOR ELECTRODE TYPE AS WELL AS RADIATION UNIT**  
[54] **LAMPE FLUORESCENTE A ELECTRODE EXTERNE AINSI QU'UNITE DE RAYONNEMENT**  
[72] INOUE, Masaki, JP  
[72] TADA, Motonori, JP  
[72] YOKOKAWA, Yoshihisa, JP  
[72] YOSHIOKA, Masaki, JP  
[73] Ushiodenki Kabushiki Kaisha, JP  
[85] 1997-12-29  
[86] 1997-04-04 (PCT/JP97/01160)  
[87] (WO97/41589)  
[30] JP (109109) 1996-04-30  
[30] JP (144121) 1996-06-06

[11] 2,226,501  
[13] C

[51] Int.Cl. 6A23K 1/18 6A23C 11/00  
[25] EN  
[54] **FEED FORTIFIER AND ENHANCER FOR PRERUMINANT CALVES AND METHOD OF USING SAME**  
[54] **FORTIFIANT ET ENRICHISSEUR DE FOURRAGE POUR PRERUMINANTS**  
[72] LANGREHR, Jana S., US  
[73] MERRICK'S, INC., US  
[85] 1998-01-08  
[86] 1996-07-10 (PCT/US96/11467)  
[87] (WO97/02757)  
[30] US (08/500,221) 1995-07-10

[11] 2,226,576  
[13] C

[51] Int.Cl. 6A61F 13/62 6A44B 18/00  
[25] EN  
[54] **ABSORBENT ARTICLES HAVING UNDERGARMENT COVERING COMPONENTS WITH MECHANICAL FASTENERS HAVING IMPROVED TACTILE PROPERTIES**  
[54] **ARTICLES ABSORBANTS DONT CERTAINS ELEMENTS RECOUVRENT LES SOUS-VETEMENTS, MUNIS D'ATTACHES MECANIQUES POSSEDANT DES PROPRIETES TACTILES AMELIOREES**  
[72] LAVASH, Bruce William, DE  
[72] HUNTER, Allison Kay, US  
[72] AHR, Nicholas Albert, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-01-12  
[86] 1996-06-25 (PCT/US96/10863)  
[87] (WO97/03630)  
[30] US (08/503,348) 1995-07-17

[11] 2,227,001  
[13] C

[51] Int.Cl. 6G03G 15/20 6G03G 15/22  
[25] EN  
[54] **FUSER MEMBER WITH AN AMINO SILANE ADHESIVE LAYER AND PREPARATION THEREOF**  
[54] **THERMO-ELEMENT AVEC UNE COUCHE ADHESIVE D'AMINOSILANE; PROCEDE D'OBTENTION**  
[72] SGABELLONE, Frank P., US  
[72] FORMICOLA, Anthony J., Jr., US  
[72] KUNTZ, Alan R., US  
[72] MAXFIELD, David E., Jr., US  
[72] FINSTERWALDER, Robert N., US  
[72] FRIEL, David M., US  
[73] XEROX CORPORATION, US  
[22] 1998-01-14  
[30] US (08/824,576) 1997-03-26

[11] 2,227,411  
[13] C

[51] Int.Cl. 6A23L 1/22  
[25] EN  
[54] **SUBSTANTIALLY OIL FREE FRIED FLAVOR FOOD PRODUCT**  
[54] **PRODUIT ALIMENTAIRE SENSIBLEMENT DEPOURVU D'HUILE ET AYANT LE GOUT D'UN ALIMENT FRIT**  
[72] MCMINN, William A., III, US  
[72] SEEDS, W.R., US  
[73] COUNTRY FLAVOR, INC., US  
[85] 1998-01-20  
[86] 1996-05-10 (PCT/US96/06657)  
[87] (WO97/42840)

[11] 2,227,572  
[13] C

[51] Int.Cl. 6E04B 1/19 6E04H 9/00 6E04C 3/04  
[25] EN  
[54] **MODULAR FRAME BUILDING**  
[54] **BATIMENT A CHARPENTE MODULAIRE**  
[72] WELLS, Orie F., US  
[73] INTER-STEEL STRUCTURES, INC., US  
[85] 1998-01-21  
[86] 1996-08-02 (PCT/US96/12659)  
[87] (WO97/05340)  
[30] US (60/001,777) 1995-08-02

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[11] **2,228,095**  
[13] C

[51] **Int.Cl. 6H01M 4/64 6H01M 10/04**  
[25] EN  
[54] **ELECTRODE STRUCTURAL BODY, RECHARGEABLE BATTERY PROVIDED WITH SAID ELECTRODE STRUCTURAL BODY, AND PROCESS FOR THE PRODUCTION OF SAID ELECTRODE STRUCTURAL BODY AND SAID RECHARGEABLE BATTERY**  
[54] **CORPS STRUCTUREL D'ELECTRODE, PILE RECHARGEABLE FOURNIE AVEC LE CORPS STRUCTUREL D'ELECTRODE, ET PROCEDE DE FABRICATION DU CORPS STRUCTUREL D'ELECTRODE ET DE LA PILE RECHARGEABLE**  
[72] KIMURA, Hironao, JP  
[72] KOSUZU, Takeshi, JP  
[72] ASAO, Masaya, JP  
[72] KOBAYASHI, Naoya, JP  
[72] KAWAKAMI, Soichiro, JP  
[73] CANON KABUSHIKI KAISHA, JP  
[22] 1998-01-28  
[30] JP (013942/HEI.9(1997)) 1997-01-28  
[30] JP (369371/HEI.9(1997)) 1997-12-27

[11] **2,228,189**  
[13] C

[51] **Int.Cl. 6H04Q 3/18 6H04Q 3/66**  
[25] EN  
[54] **METHOD FOR PREVENTING CALL CONGESTION ON OUTGOING TRUNKS OF A LOCAL TELEPHONE EXCHANGE**  
[54] **METHODE PERMETTANT D'EMPECHER L'ENCOMBREMENT D'APPELS SUR DES CIRCUITS DE DEPART D'UN CENTRAL TELEPHONIQUE LOCAL**  
[72] TOM, FRANKIE CHUN-KEUNG, CA  
[72] LOTHIAN, R. BLAIR, CA  
[72] KWOK, HENRY WAI CHIU, CA  
[72] BARTHOLOMEW, GARY, CA  
[72] LEFORT, BLAKE F, CA  
[73] STENTOR RESOURCE CENTRE INC., CA  
[73] BELL CANADA, CA  
[22] 1998-01-27  
[30] US (08/792,296) 1997-01-31

[11] **2,228,347**  
[13] C

[51] **Int.Cl. 6H04B 10/06**  
[25] EN  
[54] **ACTIVE APD GAIN CONTROL FOR AN OPTICAL RECEIVER**  
[54] **COMMANDE DE GAIN A APD ACTIVE POUR RECEPTEUR OPTIQUE**  
[72] ANDERSON, Duwayne R., US  
[73] TEKTRONIX, INC., US  
[22] 1998-01-30  
[30] US (08/794,799) 1997-02-04

[11] **2,229,255**  
[13] C

[51] **Int.Cl. 6B21B 1/26 6B21B 15/00**  
[25] EN  
[54] **LONG SLAB ROLLING PROCESS AND APPARATUS**  
[54] **METHODE ET APPAREIL DE LAMINAGE DE LONGUE EBAUCHE**  
[72] GINZBURG, Vladimir B., US  
[73] INTERNATIONAL ROLLING MILL CONSULTANTS, INC., US  
[73] DANIELI TECHNOLOGY, INC., US  
[22] 1998-02-12  
[30] US (08/843,694) 1997-04-16

[11] **2,230,256**  
[13] C

[51] **Int.Cl. 6C25D 1/04**  
[25] EN  
[54] **METHOD FOR PRODUCING ELECTRODEPOSITED COPPER FOIL AND COPPER FOIL OBTAINED BY SAME**  
[54] **PROCEDE DE PRODUCTION DE FEUILLE DE CUIVRE DEPOSEE PAR ELECTROLYSE ET FEUILLE DE CUIVRE AINSI OBTENUE**  
[72] OTSUKA, Hideo, JP  
[72] WOLSKI, Adam M., US  
[72] STREEL, Michel, BE  
[72] SUZUKI, Akitoshi, JP  
[73] CIRCUIT FOIL LUXEMBOURG TRADING S.A.R.L., LU  
[85] 1998-02-24  
[86] 1996-09-16 (PCT/IB96/00951)  
[87] (WO97/11210)  
[30] JP (7/244262) 1995-09-22  
[30] JP (8/106743) 1996-04-26

[11] **2,230,325**  
[13] C

[51] **Int.Cl. 6F02C 7/12 6F01D 25/12**  
[25] EN  
[54] **STEAM COOLED GAS TURBINE SYSTEM**  
[54] **SYSTEME DE TURBINE A GAZ REFROIDIE A LA VAPEUR**  
[72] AOKI, Sunao, JP  
[72] SUGISHITA, Hideaki, JP  
[72] UEMATSU, Kazuo, JP  
[72] HIROKAWA, Kazuharu, JP  
[72] MORI, Hidetaka, JP  
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 1998-02-24

[11] **2,231,278**  
[13] C

[51] **Int.Cl. 6F23G 5/48 6F23G 7/04 6D21C 11/12**  
[25] EN  
[54] **PROTECTION OF THE AIR PORTS OF A RECOVERY BOILER**  
[54] **PROTECTION DES ORIFICES D'ADMISSION D'AIR D'UNE CHAUDIERE DE RECUPERATION**  
[72] SIMONEN, Jorma, US  
[73] ANDRITZ-AHLSTROM OY, FI  
[22] 1998-03-05  
[30] US (60/039,605) 1997-03-12

[11] **2,231,298**  
[13] C

[51] **Int.Cl. 6E06B 9/54 6E06B 9/56**  
[25] EN  
[54] **RETRACTABLE SCREEN SYSTEM AND IMPROVEMENTS THEREFOR**  
[54] **SYSTEME DE MOUSTIQUAIRE RETRACTABLE ET AMELIORATIONS**  
[72] DAVIES, SEAN, CA  
[72] KUPENTHIRARAJAN, SINNATHAMBY, CA  
[72] DAVIES, JOHN ROBERT, CA  
[73] 420820 ONTARIO LIMITED, CA  
[22] 1998-03-05  
[30] CA (2,219,946) 1997-10-31

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[13] C  
[51] Int.Cl. 6H04B 7/26 6H04Q 7/20  
[25] EN  
[54] AUTOMATIC DETERMINATION OF AUDIO OR VIBRATION ALERTING FOR AN INCOMING CALL IN A WIRELESS HANDSET  
[54] SELECTION AUTOMATIQUE D'UN SIGNAL D'ALERTE AUDIO OU D'UN SIGNAL D'ALERTE PAR VIBRATION EN CAS DE RECEPTION D'UN APPEL POUR LES APPAREILS PORTATIFS  
[72] HARDOUIN, Larry J., US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-03-18  
[30] US (08/845,969) 1997-04-30

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[11] 2,232,907  
[13] C  
[51] Int.Cl. 6B62D 7/22  
[25] EN  
[54] RACK AND PINION STEERING SYSTEM FOR FOUR WHEEL DRIVE VEHICLE  
[54] DIRECTION A PIGNON ET CREMAILLE POUR VEHICULE A TRACTION INTEGRALE  
[72] KLOSTERHAUS, Edwin G., US  
[73] TRW INC., US  
[22] 1998-03-20  
[30] US (08/823,000) 1997-03-21

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[11] 2,233,007  
[13] C  
[51] Int.Cl. 6B65D 85/68 6B60P 3/12  
[25] EN  
[54] DEVICE FOR CARRYING CAR FRAMES OR THE LIKE  
[54] MECANISME SERVANT A TRANSPORTER DES CADRES OU DES DISPOSITIFS SEMBLABLES  
[72] HAMELIN, Jean-Guy, CA  
[72] HAMELIN, Bernard, CA  
[73] 3515630 CANADA INC, CA  
[22] 1998-03-25  
[30] US (08/829,694) 1997-03-26

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[11] 2,233,049  
[13] C  
[51] Int.Cl. 6B26B 19/14 6B26B 19/32  
[25] EN  
[54] ELECTRIC SHAVER  
[54] RASOIR ELECTRIQUE  
[72] IZUMI, Yukio, JP  
[73] IZUMI PRODUCTS COMPANY, JP  
[22] 1998-03-24  
[30] JP (9-83869) 1997-04-02

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[11] 2,233,973  
[13] C  
[51] Int.Cl. 6G02B 13/16 6G02B 27/18 6H04N 5/335  
[25] EN  
[54] IMAGE PICKUP APPARATUS  
[54] DISPOSITIF ANALYSEUR D'IMAGE  
[72] SHIMADA, Koichi, JP  
[73] CANON DENSHI KABUSHIKI KAISHA, JP  
[22] 1998-04-03  
[30] JP (HEI 09-088235) 1997-04-07

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[11] 2,234,148  
[13] C  
[51] Int.Cl. 6A61B 17/115  
[25] EN  
[54] METHOD AND ANASTOMOTIC INSTRUMENT FOR USE WHEN PERFORMING AN END-TO-SIDE ANASTOMOSIS  
[54] METHODE ET INSTRUMENT PERMETTANT D'EFFECTUER UNE ANASTOMOSE EXTREMITÉ-CÔTE  
[72] RYGAARD, JORGEN A., DK  
[73] RYGAARD, JORGEN A., DK  
[73] OTICON A/S, DK  
[73] BERNAFON AG, CH  
[85] 1998-04-07  
[86] 1995-10-31 (PCT/DK95/00430)  
[87] (WO97/16122)

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[11] 2,234,224  
[13] C  
[51] Int.Cl. 6F03D 1/00  
[25] EN  
[54] HORIZONTAL AXIS WIND TURBINE  
[54] EOLIENNE A AXE HORIZONTAL  
[72] GISLASON, Nils Erik, IS  
[73] GISLASON, Nils Erik, IS  
[85] 1998-04-07  
[86] 1995-10-13 (PCT/IB95/00871)  
[87] (WO97/13979)

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[11] 2,234,324  
[13] C  
[51] Int.Cl. 6D01D 5/098 6D01D 5/26  
[25] EN  
[54] IMPROVED MELTBLOWING METHOD AND SYSTEM  
[54] SYSTEME ET METHODE AMELIORES DE FUSION-SOUFFLAGE  
[72] KWOK, Kui-Chiu, US  
[72] BOLYARD, Edward W., Jr., US  
[72] RIGGAN, Leonard E., Jr., US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1998-04-07  
[30] US (08/843,224) 1997-04-14

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[11] 2,235,008  
[13] C  
[51] Int.Cl. 6F16D 65/40 6B61H 15/00 6B61H 13/34  
[25] EN  
[54] AXIAL VIBRATION DAMPING MEANS IN A BRAKE ACTUATOR  
[54] DISPOSITIF D'AMORTISSEMENT DES VIBRATIONS AXIALES DANS UN RECEPTEUR DE FREINAGE  
[72] MOORE, Roland S., US  
[73] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 1998-04-16  
[30] US (005,452) 1998-01-12

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[11] 2,235,258  
[13] C  
[51] Int.Cl. 6A01N 25/10 6A01N 47/14 6A01N 57/16 6A01N 37/18 6A01N 57/20 6A01N 59/20 6A01N 33/22 6A01N 37/34 6A01N 43/653 6A01N 43/78 6A01N 43/80  
[25] EN  
[54] STABLE PESTICIDE DISPERSIONS  
[54] DISPERSIONS STABLES DE PESTICIDES  
[72] GORE, Robert Howard, US  
[72] MACHLEDER, Warren Harvey, US  
[72] SUN, Yan, US  
[72] MATHIS, William Dean, US  
[72] STEVENS, Bridget Marie, US  
[72] NGUYEN, Luong Tu, US  
[72] HOUGHTON, Richard David, US  
[73] ROHM AND HAAS COMPANY, US  
[22] 1998-04-21  
[30] US (60/045,195) 1997-04-30

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[11] **2,235,844**  
[13] C

[51] **Int.Cl. 6G08B 6/00 6G09B 21/00 6H04B 1/00**  
[25] EN  
[54] **TACTILE COMMUNICATION DEVICE AND METHOD**  
[54] **DISPOSITIF ET PROCEDE DE COMMUNICATION TACTILE**  
[72] GONZALES, Gilbert Rene, US  
[73] GONZALES, Gilbert Rene, US  
[85] 1998-04-23  
[86] 1996-10-24 (PCT/US96/17126)  
[87] (WO97/16035)  
[30] US (08/548,003) 1995-10-25

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[11] **2,236,005**  
[13] C

[51] **Int.Cl. 6E03D 9/00 6E03C 1/28**  
[25] EN  
[54] **HORIZONTAL-FLOW OIL-SEALANT-PRESERVING DRAIN ODOR TRAP**  
[54] **PIEGE A ODEURS POUR CONDUITS D'EVACUATION, A ECOULEMENT HORIZONTAL, PRESERVANT L'HUILE D'ETANCHEITE**  
[72] GORGES, Ditmar L., US  
[73] ,  
[85] 1998-04-27  
[86] 1996-10-25 (PCT/US96/17187)  
[87] (WO97/15735)  
[30] US (08/548,281) 1995-10-25

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[11] **2,236,812**  
[13] C

[51] **Int.Cl. 6F16K 11/22**  
[25] EN  
[54] **DISTRIBUTION VALVE ASSEMBLY**  
[54] **SOUPAPE DE DISTRIBUTION**  
[72] CHENG, Chien-Chuan, TW  
[73] CHENG, Chien-Chuan, TW  
[22] 1998-06-09

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[11] **2,236,945**  
[13] C

[51] **Int.Cl. 6F16K 1/32 6B60T 17/04 6B01D 53/26 6F16K 1/52**  
[25] EN  
[54] **SHUTTLE VALVE FOR TWIN TOWER AIR DRYER**  
[54] **CLAPET NAVETTE POUR ASSECHEUR D'AIR A COLONNE DOUBLE**  
[72] KAZAKIS, Michael V., US  
[72] JONES, Charlie E., US  
[72] DOSSAJI, Murtaza R., US  
[73] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 1998-05-06  
[30] US (017,126) 1998-02-02

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[11] **2,237,327**  
[13] C

[51] **Int.Cl. 6B60T 1/04**  
[25] EN  
[54] **WHEEL BLOCKING SYSTEM**  
[54] **SYSTEME DE BLOCAGE DE ROUES**  
[72] WARREN, Oscar E., US  
[72] KLUSMEYER, Louis F., US  
[72] BEARD, Bob J., US  
[72] ROGERS, Ronnie, US  
[73] TRANSTECH RESOURCES, INC., US  
[85] 1998-05-11  
[86] 1996-09-18 (PCT/US96/14996)  
[87] (WO97/18112)  
[30] US (08/514,271) 1995-11-13

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[11] **2,238,155**  
[13] C

[51] **Int.Cl. 6H01B 11/00**  
[25] EN  
[54] **COILED TUBING SUPPORTED ELECTRICAL CABLE HAVING INDENTATIONS**  
[54] **CABLE ELECTRIQUE SOUTENU PAR UN TUBE D'INTERVENTION ENROULE POURVU DE DENTELURES**  
[72] DALRYMPLE, Larry, US  
[72] NEUROTH, David H., US  
[72] BROOKBANK, Earl B., US  
[72] PINKSTON, Tim W., US  
[72] COX, Don C., US  
[72] WALLACE, Thomson H., US  
[73] BAKER HUGHES INCORPORATED, US  
[22] 1998-05-21  
[30] US (60/047,630) 1997-05-23  
[30] US (09/019,139) 1998-02-06

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[11] **2,238,232**  
[13] C

[51] **Int.Cl. 6H01P 5/12**  
[25] EN  
[54] **WAVEGUIDE ELEMENT, WAVEGUIDE BRANCH OR COUPLER ELEMENT AND WAVEGUIDE INTEGRATED CIRCUIT**  
[54] **ELEMENT DE GUIDE D'ONDES, ELEMENT DE BRANCHEMENT OU DE COUPLAGE DE GUIDE D'ONDES ET CIRCUIT INTEGRE A GUIDE D'ONDES**  
[72] KATO, Tomoaki, JP  
[73] NEC CORPORATION, JP  
[22] 1998-05-20  
[30] JP (130209/97) 1997-05-21

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[11] **2,239,241**  
[13] C

[51] **Int.Cl. 6H04B 7/185 6H04L 12/56**  
[25] EN  
[54] **SATELLITE PACKET TERMINAL AND METHOD FOR TRANSMITTING PACKET DATA FROM THE SAME**  
[54] **TERMINAL DE TRANSMISSION DE DONNEES PAR PAQUETS ET METHODE DE TRANSMISSION CONNEXE**  
[72] MURATA, Makoto, JP  
[73] MITSUBISHI DENKI KABUSHIKI KAISHA, JP  
[22] 1998-05-29  
[30] JP (10-005087) 1998-01-13

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[11] **2,239,441**  
[13] C

[51] **Int.Cl. 6C21B 7/00**  
[25] EN  
[54] **SOLID ELECTROLYTE SYSTEMS FOR USE WITH FURNACES**  
[54] **SYSTEMES A ELECTROLYTE SOLIDE POUR UTILISATION DANS DES CHAUDIERES**  
[72] DRNEVICH, Raymond Francis, US  
[72] FAY, Homer, US  
[72] PRASAD, Ravi, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 1998-06-03  
[30] US (08/868,964) 1997-06-05

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[13] C

[51] **Int.Cl. 6F01N 3/38**  
[25] EN  
[54] **SYSTEM FOR EXHAUST GAS PURIFICATION**  
[54] **SYSTEME DE PURIFICATION DES GAZ D'ECHAPPEMENT**  
[72] NODA, Naomi, JP  
[72] MIZUNO, Hiroshige, JP  
[72] SHIBAGAKI, Yukinari, JP  
[73] NGK INSULATORS, LTD., JP  
[22] 1998-06-15  
[30] JP (9-158946) 1997-06-16

[11] 2,241,530  
[13] C

[51] **Int.Cl. 6B32B 5/16 6H05K 1/09 6H01B 1/14 6H01B 1/20 6H01L 23/50**  
[25] EN  
[54] **CONDUCTIVE ELASTOMERS AND METHODS FOR FABRICATING THE SAME**  
[54] **ELASTOMERE CONDUCTEUR ET SON PROCEDE DE FABRICATION**  
[72] DeDONATO, David A., US  
[72] GOODWIN, Jonathan W., US  
[72] MICHAUD, Arthur G., US  
[72] CROTZER, David R., US  
[73] THOMAS & BETTS INTERNATIONAL, INC., US  
[85] 1998-06-25  
[86] 1996-12-03 (PCT/US96/19243)  
[87] (WO98/18615)  
[30] US (736,830) 1996-10-28

[11] 2,241,919  
[13] C

[51] **Int.Cl. 6G01F 1/84**  
[25] EN  
[54] **SIGNAL PROCESSING APPARATI AND METHODS FOR ATTENUATING SHIFTS IN ZERO INTERCEPT ATTRIBUTABLE TO A CHANGING BOUNDARY CONDITION IN A CORIOLIS MASS FLOW METER**  
[54] **APPAREILS ET PROCEDES DE TRAITEMENT DES SIGNAUX VISANT A ATTENUER LES DECALAGES DE L'INTERCEPTION DU ZERO POUVANT ETRE ATTRIBUES AU CHANGEMENT D'UNE CONDITION LIMITE D'UN DEBITMETRE MASSIQUE DE CORIOLIS**  
[72] CAGE, Donald R., US  
[72] CARMICHAEL, Larry K., US  
[72] HAHN, David T., US  
[72] SCHOTT, Michael N., US  
[73] DIRECT MEASUREMENT CORPORATION, US  
[85] 1998-06-30  
[86] 1997-03-13 (PCT/US97/04056)  
[87] (WO97/40348)  
[30] US (08/636,034) 1996-04-22

[11] 2,242,173  
[13] C

[51] **Int.Cl. 6G03B 35/10**  
[25] EN  
[54] **STEREO CAMERA**  
[54] **APPAREIL STEREOSCOPIQUE**  
[72] INABA, MINORU, JP  
[73] INABA, MINORU, JP  
[22] 1998-06-30

[11] 2,242,442  
[13] C

[51] **Int.Cl. 6H05B 6/02**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRODUCING POWER FOR AN INDUCTION HEATING SYSTEM**  
[54] **METHODE ET APPAREIL DE PRODUCTION DE PUISSANCE POUR UN SYSTEME DE CHAUFFAGE PAR INDUCTION**  
[72] LANOUILLE, Andre, US  
[72] ULRICH, Mark, US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1998-07-07  
[30] US (08/893,354) 1997-07-16

[11] 2,242,943  
[13] C

[51] **Int.Cl. 6B65D 81/05**  
[25] EN  
[54] **BAG-IN-BAG COMBINATION DUNNAGE AIRBAG**  
[54] **SAC DE FARDAGE GONFLABLE**  
[72] HARRINGTON, John Leslie, US  
[72] HOWLETT, John Jr., US  
[72] BERRIER, Walter Gene, US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1998-07-06  
[30] US (08/899,582) 1997-07-24

[11] 2,244,013  
[13] C

[51] **Int.Cl. 6H04L 9/14 6G06F 12/14**  
[25] EN  
[54] **CRYPTOGRAPHIC METHOD AND APPARATUS FOR RESTRICTING ACCESS TO TRANSMITTED PROGRAMMING CONTENT USING PROGRAM IDENTIFIERS**  
[54] **METHODE ET APPAREIL CRYPTOGRAPHIQUES POUR LIMITER L'ACCES A DES CONTENUS D'EMISSIONS AU MOYEN D'IDENTIFICATEURS D'EMISSIONS**  
[72] WOOL, Avishai, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-07-28  
[30] US (08/912,186) 1997-08-15

[11] 2,244,015  
[13] C

[51] **Int.Cl. 6H04L 9/28 6G06F 12/14**  
[25] EN  
[54] **CRYPTOGRAPHIC METHOD AND APPARATUS FOR RESTRICTING ACCESS TO TRANSMITTED PROGRAMMING CONTENT USING EXTENDED HEADERS**  
[54] **METHODE ET APPAREIL CRYPTOGRAPHIQUES POUR LIMITER L'ACCES A DES CONTENUS D'EMISSIONS AU MOYEN D'ENTETES ETENDUES**  
[72] WOOL, Avishai, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-07-28  
[30] US (08/911,650) 1997-08-15

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[11] **2,244,543**  
[13] C

[51] **Int.Cl. 6H04M 15/10 6H04M 3/42**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MANIPULATING DATA FIELDS IN A CALL STRUCTURE FOR SYNCHRONIZING BILLING INFORMATION AND RETAINING ORIGINAL CALLING PARTY INFORMATION**  
[54] **SYSTEME ET METHODE DE MANIPULATION DES CHAMPS DE DONNEES D'UNE STRUCTURE D'APPEL SERVANT A SYNCHRONISER LES INFORMATIONS DE FACTURATION ET A METTRE A JOUR LES INFORMATIONS SUR LESABONNES DEMANDEURS**  
[72] MALIK, Dale W., US  
[73] BELLSOUTH INTELLECTUAL PROPERTY CORPORATION, US  
[22] 1998-08-05  
[30] US (08/909,417) 1997-08-11

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[11] **2,245,217**  
[13] C

[51] **Int.Cl. 6A23K 1/14 6A23C 11/10 6A23K 1/18**  
[25] EN  
[54] **MILK REPLACER WITHOUT ANIMAL FAT, FOR FEEDING VEAL CALVES**  
[54] **ALIMENT D'ALLAITEMENT EXEMPT DE GRAS ANIMAL POUR L'ALIMENTATION DES VEAUX**  
[72] SILVEIRA, Manuel, CA  
[73] GROBER INC., CA  
[22] 1998-08-17

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[11] **2,246,222**  
[13] C

[51] **Int.Cl. 6C07K 14/705 6C12Q 1/02 6C07K 7/06 6C12N 5/06 6C12N 5/08 6G01N 33/554**  
[25] EN  
[54] **TUMOR REJECTION ANTIGENS PRESENTED BY HLA-B44 MOLECULES, AND USES THEREOF**  
[54] **ANTIGENES DE REJET TUMORAL PRESENTES PAR DES MOLECULES HLA-B44 ET UTILISATIONS DE CES DERNIERS**  
[72] HERMAN, Jean, BE  
[72] BOON-FALLEUR, Thierry, BE  
[72] COULIE, Pierre, BE  
[72] LUESCHER, Immanuel, BE  
[72] VAN DER BRUGGEN, Pierre, BE  
[73] LUDWIG INSTITUTE FOR CANCER RESEARCH, US  
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[54] **SYSTEME DE FIXATION POUR PLANCHE A NEIGE A RECOUVREMENT INTEGRAL**  
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[54] **METHODE ET APPAREIL DE GENERATION DE NOMBRES PSEUDO-ALEATOIRES**  
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[73] NEC CORPORATION, JP  
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[54] **METHOD AND DEVICE FOR DETECTING A STATE OF CHARGE OF A BATTERY ASSEMBLY, AND BATTERY ASSEMBLY CHARGE AND DISCHARGE CONTROL DEVICE**  
[54] **METHODE ET DISPOSITIF PERMETTANT DE DETECTER L'ETAT DE CHARGE D'UNE BATTERIE D'ACCUMULATEURS ET DISPOSITIF DE REGULATION DES NIVEAUX DE CHARGE ET DE DECHARGE POUR BATTERIE D'ACCUMULATEUR**  
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[72] KIMURA, Tadao, JP  
[72] NAKANISHI, Toshiaki, JP  
[72] SHOJI, Yoshimi, JP  
[72] UKITA, Susumu, JP  
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[54] **PROCEDE ET DISPOSITIF POUR APPROVISIONNER ET FACTURER AUTOMATIQUEMENT DES SERVICES DE COMMUNICATION**  
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[54] SPIRO-CYCLOPENT-B[INDOLE-  
PIPERIDINES] AND N-PHENYL-  
HYDRAZON INTERMEDIATES FOR  
THEIR PREPARATION, BOTH BEING  
ACETYLCHOLINESTERASE AND  
MAO INHIBITORS  
[54] SPIRO-CYCLOPENT-B[INDOLE-  
PIPERIDINES] ET PRODUITS  
INTERMEDIAIRES DE N-PHENYL-  
HYDRAZONE NECESSAIRES A SA  
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[72] ROSCH, Hans, DE  
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METHOD AND MOBILE  
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SELECTION THAT OPTIMIZES CALL  
WAIT TIMES  
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[72] MATHEWS, Eugene P., US  
[72] FOSTER, Robin H., US  
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[54] **REPRODUCTION MACHINE INCLUDING A DEVELOPER MATERIAL CARTRIDGE HAVING A NON-INTERFERING DUAL-USE SEALING DEVICE**  
[54] **MACHINE DE REPRODUCTION COMPRENANT UNE CARTOUCHE DE REVELATEUR DOTEE D’UN DISPOSITIF D’ETANCHEITE SANS INTERFERENCE A DOUBLE USAGE**  
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[72] HARBRON, STUART, GB  
[73] ZETATRONICS LIMITED, GB  
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[54] **MACHINE D’HYDRODEMOLITION MULTI-JETS**  
[72] MACNEIL, GORDON, CA  
[72] MACNEIL, DAVID, CA  
[72] BOSE, VERNON, CA  
[72] MACNEIL, GERARD, CA  
[73] MAC & MAC HYDRODEMOLITION INC., CA  
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[25] EN  
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[72] GUSTAVSSON, ANDERS, SE  
[72] KJELLBOM, KRISTINA, SE  
[72] YMÉN, INGVAR, SE  
[73] ASTRAZENECA AKTIEBOLAG, SE  
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[54] **UNIVERSAL SIDE IMPACT AUTO PULLER**  
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[72] MCCANN, ELREY LORNE, US  
[72] BRUHNKE, DOUGLAS WILLIAM, US  
[72] MANZER, LEO ERNEST, US  
[72] TROFIMENKO, SWIATOSLAW, US  
[72] LEROU, JAN JOSEPH, US  
[72] BONIFAX, CRISTOBAL, US  
[72] SWEARINGEN, STEVEN HENRY, US  
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[72] SWATEK, MIKE ALLEN, US  
[73] BAKER HUGHES INCORPORATED, US  
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[54] PROCEDE, CLAVIER ET SYSTEME PERMETTANT DE TRANSMETTRE DES CARACTERES DE FRAPPE  
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[72] VIDALES, CARLOS E., US  
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[73] WORTHINGTON ARMSTRONG VENTURE, US  
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[72] HOWES-JONES, DARYL J., CA  
[72] KLEYNHANS, GREGORY JOHN, CA  
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[54] METHOD AND APPARATUS FOR DETECTING LEAKAGE CURRENT ON A TWO WIRE DC OR AC POWER LINE  
[54] METHODE ET APPAREIL DE DETECTION DE COURANT DE FUITE SUR UNE LIGNE D'ENERGIE CC OU CA A DEUX FILS  
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[54] PROCEDE D'ACCES ET DE FOURNITURE D'ACCES A UN CANAL DE PAQUETS  
[72] STANAWAY, J. CHRIS, US  
[72] WILSON, TIMOTHY J., US  
[72] BLANCHETTE, JEFFREY J., US  
[73] MOTOROLA, INC., US  
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[72] NYBO, BARRY C., CA  
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[54] TUBE DE REVETEMENT INTERIEUR REVERSIBLE SERVANT A REPARER UNE CANALISATION  
[72] TOYODA, SHIGERU, JP  
[72] YAGI, SHUICHI, JP  
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[73] VIROX TECHNOLOGIES INC., CA  
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December 16, 2001 - December 22, 2001

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[54] **UTILISATION DE HOUSSES POUR**  
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[72] MOTALA, IWONA S., CA  
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[13] A1  
[51] **Int.Cl. 7G02B 7/02 7G02C 9/00**  
**7G02B 7/14 7F41G 1/38**  
[25] EN  
[54] **CORRECTIVE LENS**  
**ATTACHMENT FOR TELESCOPIC**  
**SIGHT**  
[54] **DISPOSITIF DE FIXATION D'UN**  
**VERRE CORRECTEUR A UNE**  
**LUNETTE DE VISEE**  
[72] CURTIS, REGINALD WILSON, CA  
[71] CURTIS, REGINALD WILSON, CA  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,685**  
[13] A1  
[51] **Int.Cl. 7H04L 9/32 7H04L 12/16**  
**7G06F 17/30 7G06F 17/60**  
[25] EN  
[54] **ELECTRONIC VIRTUAL**  
**CERTIFICATION BY DATA**  
**PROCESSING METHOD VIA A**  
**COMMUNICATION NETWORK**  
[54] **CERTIFICATION**  
**ELECTRONIQUE VIRTUELLE PAR**  
**METHODE DE TRAITEMENT DE**  
**DONNEES SUR UN RESEAU DE**  
**COMMUNICATION**  
[72] CHOQUET, CLAUDE, CA  
[71] CHOQUET, CLAUDE, CA  
[22] 2000-06-22  
[43] 2001-12-22

**Canadian Laid-Open Applications**  
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[21] **2,311,750**  
[13] A1

[51] **Int.Cl. 7H04J 14/02 7H04L 5/06**  
[25] EN  
[54] **CIRCUITS FOR MULTIPLE WAVELENGTH FIBER OPTIC COMMUNICATION SYSTEM**  
[54] **CIRCUITS POUR SYSTEME DE COMMUNICATION PAR FIBRE OPTIQUE A LONGUEURS D'ONDE MULTIPLES**  
[72] MORIN, GUY MICHEL, CA  
[71] MORIN, GUY MICHEL, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,311,829**  
[13] A1

[51] **Int.Cl. 7B29C 45/72 7B29C 45/20**  
[25] EN  
[54] **THERMALLY BALANCED HOT RUNNER NOZZLE**  
[54] **BUSE D'INJECTION A CHAUD EN EQUILIBRE THERMIQUE**  
[72] BABIN, DENIS, CA  
[72] GUENTHER, HANS, CA  
[72] FISCHER, JONATHON, CA  
[71] MOLD-MASTERS LIMITED, CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,830**  
[13] A1

[51] **Int.Cl. 7B29C 45/20**  
[25] EN  
[54] **INJECTION NOZZLE SYSTEM AND NOZZLE ALIGNMENT ELEMENT THEREFORE**  
[54] **SYSTEME DE BUSES D'INJECTION ET DISPOSITIF D'ALIGNEMENT CONNEXE**  
[72] GUENTHER, HANS, CA  
[72] HO, NIN, CA  
[71] MOLD-MASTERS LIMITED, CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,832**  
[13] A1

[51] **Int.Cl. 7G11B 19/00 7G11B 33/12**  
[25] EN  
[54] **INFORMATION RECORDING APPARATUS**  
[54] **APPAREIL D'ENREGISTREMENT D'INFORMATION**  
[72] ANDERSSON, PETER, SE  
[72] NILSSON, MARKUS, SE  
[71] OBDUCAT AB, SE  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,834**  
[13] A1

[51] **Int.Cl. 7G01V 9/00 7G01V 15/00**  
[25] EN  
[54] **AN INTERACTIVE METHOD AND APPARATUS FOR LOCATING AND IDENTIFYING UTILITIES**  
[54] **METHODE ET APPAREIL INTERACTIFS DE REPERAGE ET D'IDENTIFICATION DES INSTALLATIONS DE SERVICE PUBLIC**  
[72] VOKEY, DAVID E., US  
[71] NORSCAN INSTRUMENTS LTD., CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,835**  
[13] A1

[51] **Int.Cl. 7G07F 11/32 7B65G 1/08**  
[25] EN  
[54] **CARTON DISPENSING MACHINE**  
[54] **DISTRIBUTEUR DE PRODUITS EN CONTENANTS DE CARTON**  
[72] BAUMAN, Barry B., CA  
[72] BAUMAN, EDWARD FREDERICK, CA  
[71] BAUMAN, Barry B., CA  
[71] BAUMAN, EDWARD FREDERICK, CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,845**  
[13] A1

[51] **Int.Cl. 7F16G 3/02**  
[25] EN  
[54] **SPIRAL FOR INTERCONNECTING ENDS OF ENDLESS BELT SEGMENTS**  
[54] **SPIRALE D'INTERCONNEXION D'EXTREMITES DE SEGMENTS DE COURROIE SANS FIN**  
[72] CORRIVEAU, ANDRE, CA  
[72] CRETE, SYLVAIN, CA  
[72] FRASER, CAROLINE, CA  
[72] PLANTE, JEAN-SEBASTIEN, CA  
[71] LIPPERT PINTLEPIN MFG. INC., CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,854**  
[13] A1

[51] **Int.Cl. 7A61D 7/00**  
[25] EN  
[54] **APPARATUS FOR APPLYING CHEMICALS TO RODENTS**  
[54] **APPAREIL POUR APPLIQUER DES PRODUITS CHIMIQUES SUR DES RONGEURS**  
[72] MAUPIN, GARY O., US  
[72] SNELL, ERIC JEFFREY, US  
[72] HAMON, NICHOLAS, US  
[71] MAUPIN, GARY O., US  
[71] SNELL, ERIC JEFFREY, US  
[71] HAMON, NICHOLAS, US  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,862**  
[13] A1

[51] **Int.Cl. 7A01N 43/56 7A61D 7/00 7A01N 43/653 7A01N 43/836**  
[25] EN  
[54] **CONTROL OF ARTHROPOD VECTORS OF PARASITIC DISEASES**  
[54] **LUTTE CONTRE LES ARTHROPODES VECTEURS DE MALADIES PARASITAIRES**  
[72] DOLAN, MARC C., US  
[72] MAUPIN, GARY O., US  
[71] DOLAN, MARC C., US  
[71] MAUPIN, GARY O., US  
[22] 2000-06-16  
[43] 2001-12-16

**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,311,865**  
[13] A1

[51] **Int.Cl. 7B65H 16/00 7B65H 19/10**  
[25] EN  
[54] **CONTINUOUS ROLL TAPE DISPENSER**  
[54] **DEVIDOIR DE RUBAN EN ROULEAUX CONTINU**  
[72] O'GRADY, RYAN, CA  
[72] STUFKO, BRETT, CA  
[72] BEAUDRY, CHRISTIAN, CA  
[71] INTERTAPE POLYMER INC., CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,869**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16 7G06F 17/30 7H04L 12/54**  
[25] EN  
[54] **APPARATUS AND METHOD FOR COLLECTING AND REPORTING COMMENTS FROM USERS OF GOODS AND SERVICES OF PROVIDERS**  
[54] **APPAREIL ET METHODE DE COLLECTE ET D'INDICATION DES COMMENTAIRES PROVENANT DES UTILISATEURS DE BIENS ET SERVICES DES FOURNISSEURS**  
[72] KESEL, BRAD, US  
[71] KESEL, BRAD, US  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,871**  
[13] A1

[51] **Int.Cl. 7A61B 5/117**  
[25] EN  
[54] **THRESHOLD BIOMETRIC AUTHENTICATION**  
[54] **AUTHENTIFICATION BIOMETRIQUE DE SEUIL**  
[72] FEATHERSTONE, J. GRENFELL, CA  
[71] MILINX BUSINESS GROUP, INC., US  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,881**  
[13] A1

[51] **Int.Cl. 7A01N 43/56 7A01N 47/18 7A01N 47/20**  
[25] EN  
[54] **CONTROL OF ARTHROPODS IN RODENTS**  
[54] **LUTTE CONTRE LES ARTHROPODES CHEZ LES RONGEURS**  
[72] LOWDER, PATRICK D., US  
[72] MAUPIN, GARY O., US  
[72] DOLAN, MARC C., US  
[71] LOWDER, PATRICK D., US  
[71] MAUPIN, GARY O., US  
[71] DOLAN, MARC C., US  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,884**  
[13] A1

[51] **Int.Cl. 7G06F 17/30**  
[25] EN  
[54] **METHOD OF MANAGING SLOWLY CHANGING DIMENSIONS**  
[54] **METHODE DE GESTION DES DIMENSIONS A LENTES VARIATIONS**  
[72] CAMPBELL, NIGEL ANTHONY, CA  
[72] JUDGES, STEVE, CA  
[72] GRIFFITHS, PETER, CA  
[72] GRIFFIN, DAVID, CA  
[72] ROBERTS, MIKE, CA  
[71] COGNOS INCORPORATED, CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,894**  
[13] A1

[51] **Int.Cl. 7A61N 5/00 7A61N 5/067 7A45D 44/22**  
[25] EN  
[54] **RADIATION DELIVERY SYSTEM**  
[54] **SYSTEME POUR L'ADMINISTRATION DE RAYONNEMENT**  
[72] BARKER, ANDREW J., CA  
[71] KERALASE LTD., CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,897**  
[13] A1

[51] **Int.Cl. 7H04Q 3/00 7H04L 12/22 7H04L 9/32 7H04M 1/66**  
[25] EN  
[54] **NETWORK-CENTRIC CONTROL OF ACCESS TO TRANSCEIVERS**  
[54] **CONTROLE ORIENTE RESEAU DE L'ACCES AUX EMETTEURS-RECEPTEURS**  
[72] O'BRIEN, WILLIAM G., CA  
[72] WILLIAMS, L. LLOYD, CA  
[71] BELL CANADA, CA  
[22] 2000-06-16  
[43] 2001-12-16

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[21] **2,311,916**  
[13] A1

[51] **Int.Cl. 7E04C 5/16**  
[25] EN  
[54] **IMPROVED WIRE MESH AND LATH**  
[54] **TREILLIS-LATTIS METALLIQUE AMELIORE**  
[72] SACKS, ABRAHAM, CA  
[72] DAVIS, HAROLD R., CA  
[72] RUGINA, NARCIS, CA  
[72] SACKS, JEFFREY L., CA  
[72] SPILCHEN, WILLIAM, CA  
[71] SACKS INDUSTRIAL CORP., CA  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,934**  
[13] A1

[51] **Int.Cl. 7A61G 5/00**  
[25] EN  
[54] **WHEELCHAIR WITH TILTABLE SEAT**  
[54] **FAUTEUIL ROULANT AVEC SIEGE INCLINABLE**  
[72] MUNDY, PHIL, CA  
[72] BALCOM, NANCY, CA  
[72] DELORME, MATT, CA  
[71] PDG INC., CA  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,951**  
[13] A1

[51] **Int.Cl. 7A63C 1/32**  
[25] EN  
[54] **ICE SKATE BLADE**  
[54] **LAME DE PATIN A GLACE**  
[72] TITZMANN, CONRAD PETER, CA  
[71] TITZMANN, CONRAD PETER, CA  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,958**  
[13] A1  
[51] **Int.Cl. 7F16M 7/00 7A47B 47/00**  
[25] EN  
[54] **MOVABLE TYPE FRAME ASSEMBLY**  
[54] **SUPPORT CADRE DE TYPE AMOVIBLE**  
[72] HWANG, ARTHUR, US  
[71] HWANG, ARTHUR, US  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,959**  
[13] A1  
[51] **Int.Cl. 7B60P 7/13 7A61G 17/08**  
[25] EN  
[54] **CINERARY URN RECEPTACLE FOR VEHICLE**  
[54] **CONTENANT DE TRANSPORT D'URNE CINERAIRE A BORD D'UN VEHICULE**  
[72] NORMAND, ISABELLE, CA  
[72] NORMAND, JEAN, CA  
[72] GENDREAU, LOUIS, CA  
[72] NORMAND, PIERRE, CA  
[71] MAGNYTECH INC., CA  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,971**  
[13] A1  
[51] **Int.Cl. 7B65G 53/12 7B65G 53/40 7B65G 53/66**  
[25] EN  
[54] **AUTOMATIC PNEUMATIC CONVEYING MACHINE**  
[54] **MACHINE DE DECHARGEMENT AUTOMATIQUE A AIR COMPRIME**  
[72] GERBER, MICHAEL L., US  
[72] GERBER, MILTON L., US  
[71] GERBER, MICHAEL L., US  
[71] GERBER, MILTON L., US  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,972**  
[13] A1  
[51] **Int.Cl. 7F01C 1/22 7F01C 11/00 7F04C 11/00 7F04C 2/22 7F01C 1/30 7F04C 2/30**  
[25] EN  
[54] **PUMP/MOTOR APPARATUS**  
[54] **APPAREIL POUR POMPE OU MOTEUR**  
[72] VARADAN, RAJAN, US  
[72] BACH, RICHARD, US  
[71] ZENERGY LLC, US  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,973**  
[13] A1  
[51] **Int.Cl. 7A63B 21/055**  
[25] EN  
[54] **PORTABLE EXERCISING APPARATUS**  
[54] **EXERCISEUR PORTABLE**  
[72] KUO, JOHNSON, TW  
[71] KUO, JOHNSON, TW  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,978**  
[13] A1  
[51] **Int.Cl. 7C11D 3/395 7C11D 7/54**  
[25] EN  
[54] **CONTROLLED RELEASE BLEACH THICKENING COMPOSITION HAVING ENHANCED VISCOSITY STABILITY AT ELEVATED TEMPERATURES**  
[54] **COMPOSITION EPAISSISSANTE DE BLANCHIMENT A LIBERATION CONTROLEE AYANT UNE MEILLEURE STABILITE DE VISCOSITE A TEMPERATURE ELEVEE**  
[72] GORE, CHRISTOPHER G., US  
[72] STEELE, SONYA M., US  
[71] NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION, US  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,979**  
[13] A1  
[51] **Int.Cl. 7H01R 33/05 7F21V 19/00**  
[25] EN  
[54] **IMPROVED STRUCTURE FOR LAMP SOCKET**  
[54] **STRUCTURE AMELIOREE DE DOUILLE DE LAMPE**  
[72] TSAI, HUNG-CHI, TW  
[71] TSAI, HUNG-CHI, TW  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,311,985**  
[13] A1  
[51] **Int.Cl. 7C08F 26/06 7D06M 15/356 7C11D 3/37 7C11D 3/386**  
[25] EN  
[54] **POLYVINYLPYRRIDINIUM DERIVATIVES AS ANTI-DYE TRANSFER AGENTS**  
[54] **DERIVES DE POLYVINYLPYRRIDINIUM UTILISES COMME AGENTS EMPECHANT LE TRANSFERT DE COLORANT**  
[72] RODRIGUES, KLEIN A., US  
[72] THOMAIDES, JOHN S., US  
[71] NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION, US  
[22] 2000-06-19  
[43] 2001-12-19

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[21] **2,312,046**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7H04L 12/54 7G06F 17/60**  
[25] EN  
[54] **METHOD AND SYSTEM FOR INTERNET PRODUCTION AND DELIVERY OF LEGAL DOCUMENTS**  
[54] **METHODE ET SYSTEME POUR PRODUCTION ET LIVRAISON SUR INTERNET DE DOCUMENTS JURIDIQUES**  
[72] HICKEN, MARK P., CA  
[71] HICKEN, MARK P., CA  
[22] 2000-06-22  
[43] 2001-12-22

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**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,312,058**  
[13] A1

[51] **Int.Cl. 7C25B 9/00 7C25B 1/00**  
[25] EN  
[54] **ELECTROLYTIC TANK FOR THE ELECTROLYSIS OF A LIQUID**  
[54] **CUVE ELECTROLYTIQUE POUR L'ELECTROLYSE D'UN LIQUIDE**  
[72] LEE, JAE-KI, CA  
[72] LEE, JOHN, CA  
[71] LEE, JAE-KI, CA  
[71] LEE, JOHN, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,066**  
[13] A1

[51] **Int.Cl. 7B67D 5/32**  
[25] EN  
[54] **APPARATUS FOR CONTROLLING DELIVERY OF FLUID MATERIAL**  
[54] **APPAREIL REGULATEUR DE LA DISTRIBUTION D'UN FLUIDE**  
[72] GUNTON, BRUCE STANLEY, GB  
[71] GUNTON, BRUCE STANLEY, GB  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,068**  
[13] A1

[51] **Int.Cl. 7B65G 65/46**  
[25] EN  
[54] **BIN SWEEP ACCESSORY**  
[54] **ACCESSOIRE POUR VIS DE BALAYAGE**  
[72] BOROWSKI, JOE P., CA  
[71] BOROWSKI, JOE P., CA  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,075**  
[13] A1

[51] **Int.Cl. 7A61K 7/48 7A61K 7/00 7A61K 7/06 7A61K 7/40 7A61K 7/42 7A61K 38/55**  
[25] EN  
[54] **COSMETIC COMPOSITIONS CONTAINING HUMAN TYPE SERINE PROTEASE INHIBITORS**  
[54] **COMPOSITIONS COSMETIQUES RENFERMANT DES INHIBITEURS DE LA SERINE-PROTEASE DE TYPE HUMAIN**  
[72] LEZDEY, JOHN, US  
[71] PROTEASE SCIENCES, INCORPORATED, US  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,090**  
[13] A1

[51] **Int.Cl. 7B22D 18/00**  
[25] EN  
[54] **VACUUM HOT PRESS WITH INTEGRATED MELTING FURNACE FOR PROCESSING ADVANCED METALLIC COMPOSITES**  
[54] **APPAREIL DE COMPRESSION A CHAUD SOUS VIDE AVEC FOUR DE FUSION INTEGRE POUR LE TRAITEMENT DES COMPOSITES METALLIQUES HAUTE PERFORMANCE**  
[72] ELOMARI, SAMIR, CA  
[71] ELOMARI, SAMIR, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,093**  
[13] A1

[51] **Int.Cl. 7G09F 11/00**  
[25] EN  
[54] **POSTER DISPLAY UNIT**  
[54] **PRESENTOIR D'AFFICHES**  
[72] VALENTE, ANTONIETTA, CA  
[71] VALENTE, ANTONIETTA, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,100**  
[13] A1

[51] **Int.Cl. 7B24B 55/04**  
[25] EN  
[54] **GRINDING CUP FOR DRILL BITS**  
[54] **BOISSEAU DE MEULE POUR FORETS**  
[72] NORMAN, MURRAY, CA  
[71] PILOT DIAMOND TOOLS LTD., CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,101**  
[13] A1

[51] **Int.Cl. 7G01N 27/90 7G01N 27/82**  
[25] EN  
[54] **IN-SERVICE DETECTION OF CORROSION IN MULTI-LAYER STRUCTURE USING THE LIFT-OFF POINT OF INTERSECTION**  
[54] **DETECTION SUR LE TERRAIN DE LA CORROSION DANS UNE STRUCTURE MULTICOUCHE, FONDEE SUR LE POINT D'INTERSECTION DE DECOLLEMENT**  
[72] DUBOIS, STEPHANE J. M., CA  
[72] GIGUERE, SYLVAIN R., CA  
[71] THE MINISTER OF NATIONAL DEFENCE, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,108**  
[13] A1

[51] **Int.Cl. 7E05D 7/10 7F16B 1/00 7E05D 5/10**  
[25] EN  
[54] **VEHICLE DOOR PROP CLIP FOR VEHICLE HINGE WITH SPLIT PINS**  
[54] **APPUI DE PORTE DE VEHICULE POUR CHARNIERE DE VEHICULE A GOUPILLES FENDUES**  
[72] KALLIOMAKI, ERIC, CA  
[71] MULTIMATIC INC., CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,141**  
[13] A1

[51] **Int.Cl. 7B01D 17/028**  
[25] EN  
[54] **SEPARATION TANK**  
[54] **RESERVOIR A COMPARTIMENTS**  
[72] MORTON, DENNIS, CA  
[71] MORTON, DENNIS, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,142**  
[13] A1  
[51] **Int.Cl. 7A61K 49/00 7A61M 25/095 7A61M 5/178 7A61K 49/22**  
[25] EN  
[54] **INJECTION SYSTEM FOR GENE DELIVERY**  
[54] **SYSTEME D'INJECTION POUR L'ADMINISTRATION DE GENES**  
[72] STEWART, DUNCAN, CA  
[71] AN-GO-GEN INC., CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,143**  
[13] A1  
[51] **Int.Cl. 7B65D 25/54 7B31C 3/00**  
[25] EN  
[54] **WINDOW FOR SPIRALLY FORMED CONTAINERS**  
[54] **FENETRE POUR CONTENANTS EN SPIRALE**  
[72] NELSON, BRIAN E., US  
[72] LOWRY, JAMES L., US  
[71] SONOCO DEVELOPMENT, INC., US  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,161**  
[13] A1  
[51] **Int.Cl. 7C05F 17/00 7C05F 9/04**  
[25] EN  
[54] **COMPOSTING ACCELERATOR FOR PLANT-DERIVED MATERIAL**  
[54] **ACCELERATEUR DE COMPOSTAGE POUR MATIERES VEGETALES**  
[72] KANZAKI, KEN, JP  
[72] KONISHI, RYOICHI, JP  
[72] OKADA, KENZO, JP  
[71] NISSHIN FLOUR MILLING CO., LTD., JP  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,187**  
[13] A1  
[51] **Int.Cl. 7G01D 9/00 7G01R 31/28 7G06F 17/40**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MONITORING AN ELECTRICAL APPARATUS**  
[54] **METHODE ET APPAREIL DE SURVEILLANCE D'UN APPAREIL ELECTRIQUE**  
[72] UNRUH, KENNETH LLOYD, CA  
[71] UNRUH, KENNETH LLOYD, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,207**  
[13] A1  
[51] **Int.Cl. 7G08B 21/18 7G08B 29/02**  
[25] EN  
[54] **LIQUID SENSING ALARM FOR LIQUID LEVEL CONTROL SYSTEMS**  
[54] **ALARME DE DETECTION DE LIQUIDE POUR SYSTEMES DE REGULATION DU NIVEAU DE LIQUIDE**  
[72] MARTIN, RANDY, CA  
[72] STARR, DOUG, CA  
[71] MARTIN, RANDY, CA  
[71] STARR, DOUG, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,215**  
[13] A1  
[51] **Int.Cl. 7B25B 13/50**  
[25] EN  
[54] **COUPLER CLAMP WRENCH SET**  
[54] **JEU DE CLES DE SERRAGE DE MANCHON DE RACCORDEMENT**  
[72] SCHOOLER, BRADLEY LOYAL, CA  
[71] SCHOOLER, BRADLEY LOYAL, CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,243**  
[13] A1  
[51] **Int.Cl. 7A47F 7/00**  
[25] EN  
[54] **BICYCLE DISPLAY RACK**  
[54] **SUPPORT D'EXPOSITION A BICYCLETTE**  
[72] DUECK, RAYMOND, CA  
[71] DUECK, RAYMOND, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,250**  
[13] A1  
[51] **Int.Cl. 7C05F 17/00 7C05F 9/04**  
[25] EN  
[54] **COMPOSTING ACCELERATOR**  
[54] **ACCELERATEUR DE COMPOSTAGE**  
[72] KANZAKI, KEN, JP  
[72] OKADA, KENZO, JP  
[72] SHIIBA, KIWAMU, JP  
[71] NISSHIN FLOUR MILLING CO., LTD., JP  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,251**  
[13] A1  
[51] **Int.Cl. 7G06F 17/30 7G06F 17/60**  
[25] EN  
[54] **FASTENER RETAILING METHOD WITH GRAPHIC INTERFACE SELECTION AND LOCATOR SOFTWARE**  
[54] **METHODE DE VENTE AU DETAIL DE DISPOSITIF DE FERMETURE/ ATTACHE AVEC LOGICIEL A INTERFACE GRAPHIQUE POUR LA SELECTION ET LA LOCALISATION**  
[72] TIMMS, JOHN, CA  
[72] FEDER, MICHAEL, CA  
[71] H. PAULIN & CO. LIMITED, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,252**  
[13] A1  
[51] **Int.Cl. 7C07D 307/93 7A61P 7/00 7A61P 1/04 7C07D 405/06 7C07D 405/12 7C07D 407/12 7C07D 409/12 7A61P 13/12 7A61P 1/16 7C07F 7/18 7A61K 31/5585 7C07F 9/655 7A61K 31/665 7A61K 31/695**  
[25] EN  
[54] **5,6,7-TRINOR-4, 8-INTER-M-PHENYLENE PGI2 DERIVATIVE AND MEDICINE CONTAINING THE SAME**  
[54] **DERIVES 5,6,7-TRINOR-4,8-INTER-M-PHENYLENIQUE DE PROSTAGLANDINE I2 ET MEDICAMENT RENFERMANT CE COMPOSE**  
[72] HIRANO, NORIYUKI, JP  
[72] ISHIGAKI, TAKESHI, JP  
[72] WAKITA, HISANORI, JP  
[72] MORI, TAKESHI, JP  
[72] HATAKEYAMA, HITOSHI, JP  
[72] YAMADA, NAOHIRO, JP  
[71] TORAY INDUSTRIES INC., JP  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,284**  
[13] A1

[51] **Int.Cl. 7F16M 13/02**  
[25] EN  
[54] **A PORTABLE AND COMPACT APPARATUS DESIGNED TO ATTACH A CAMERA TO A STATIONARY OBJECT**  
[54] **APPAREIL PORTATIF ET COMPACT CONCU POUR FIXER UNE CAMERA A UN OBJET IMMOBILE**  
[72] SUCHY, ZDENEK, CA  
[71] SUCHY, ZDENEK, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,293**  
[13] A1

[51] **Int.Cl. 7H01R 33/05 7F21V 21/00**  
[25] EN  
[54] **SIMPLIFIED SOCKET STRUCTURE OF MINIATURE LIGHT BULB SETS**  
[54] **STRUCTURE SIMPLIFIEE DE DOUILLES D'ENSEMBLES D'AMPOULES MINIATURES**  
[72] SHU, KUO FEN, CN  
[71] SHU, KUO FEN, CN  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,298**  
[13] A1

[51] **Int.Cl. 7F04B 45/08 7A61M 1/10**  
[25] EN  
[54] **EXTRACORPOREAL CIRCULATION PUMP**  
[54] **POMPE DE CIRCULATION EXTRACORPORELLE**  
[72] MONDIERE, CLAUDE F., US  
[71] MONDIERE, CLAUDE F., US  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,305**  
[13] A1

[51] **Int.Cl. 7E05D 7/10 7F16B 1/00 7E05D 5/10**  
[25] EN  
[54] **VEHICLE DOOR PROP BUTTON**  
[54] **BOUTON D'APPUI DE PORTE DE VEHICULE**  
[72] KIM, FELIX SUNG HOON, US  
[71] MULTIMATIC INC., CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,316**  
[13] A1

[51] **Int.Cl. 7B01D 53/40**  
[25] EN  
[54] **METHOD AND APPARATUS FOR HYDROGEN SULPHIDE REMOVAL**  
[54] **METHODE ET APPAREIL D'ELIMINATION DE SULFURE D'HYDROGENE**  
[72] CAMPBELL, BRYAN, CA  
[72] SQUIRES, STUART, CA  
[72] REMINSKY, OREST, CA  
[71] WELL TO WIRE EMISSIONS CONTROL INC., CA  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,320**  
[13] A1

[51] **Int.Cl. 7F24F 13/20**  
[25] EN  
[54] **DRYER OUTDOOR VENT WITH REMOVABLE GRILL**  
[54] **CONDUIT D'EVACUATION DE SECHEUSE A GRILLE AMOVIBLE**  
[72] GAGNON, FRANCOIS, CA  
[71] IMPERIAL SHEET METAL LTD., CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,333**  
[13] A1

[51] **Int.Cl. 7H04N 7/08 7H04N 7/26 7H04N 5/917**  
[25] EN  
[54] **MULTIMEDIA COMPRESSION, CODING AND TRANSMISSION METHOD AND APPARATUS**  
[54] **METHODE ET APPAREIL DE COMPRESSION, DE CODAGE ET DE TRANSMISSION DE DONNEES MULTIMEDIA**  
[72] SATO, KIMIHIKO E., CA  
[72] MYERS, KELLY LEE, CA  
[71] KYXPYX TECHNOLOGIES INC., CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,418**  
[13] A1

[51] **Int.Cl. 7A61J 7/04**  
[25] FR  
[54] **PROCEDE D'ASSISTANCE POUR L'ADMINISTRATION DE MEDICAMENTS CONFORMEMENT A UNE PRESCRIPTION MEDICALE ET DISPOSITIF POUR LA MISE EN APPLICATION DE CE PROCEDE**  
[54] **ASSISTANCE PROCESS FOR ADMINISTRATION OF MEDICATIONS IN ACCORDANCE WITH A MEDICAL PRESCRIPTION AND SYSTEM FOR APPLYING THIS PROCESS**  
[72] DEPEURSINGE, YVES, CH  
[71] CSEM CENTRE SUISSE D'ELECTRONIQUE ET DE MICROTECHNIQUE SA, CH  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,312,444**  
[13] A1

[51] **Int.Cl. 7G06F 12/08 7G06F 17/30**  
[25] EN  
[54] **MEMORY MANAGEMENT OF DATA BUFFERS INCORPORATING HIERARCHICAL VICTIM SELECTION**  
[54] **GESTION DE MEMOIRE POUR REGISTRES TAMPONS DE DONNEES AVEC SELECTION HIERARCHIQUE DE VICTIMES**  
[72] TING, EDISON L., US  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,445**  
[13] A1

[51] **Int.Cl. 7H04L 12/22**  
[25] EN  
[54] **METHOD AND APPARATUS FOR FLEXIBLE RMI FIREWALL INITIALIZATION**  
[54] **METHODE ET APPAREIL D'INITIALISATION ADAPTATIVE DE PARE-FEU RMI**  
[72] PATRICK, KYLE N., CA  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2000-06-20  
[43] 2001-12-20

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[21] **2,312,451**  
[13] A1

[51] **Int.Cl. 7E21B 17/00**  
[25] EN  
[54] **ROD SAVER**  
[54] **PROTECTEUR DE TIGE**  
[72] CURIAL, TODD B., CA  
[72] DIONNE, BRAD D., CA  
[71] CURIAL, TODD B., CA  
[71] DIONNE, BRAD D., CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,312,590**  
[13] A1

[51] **Int.Cl. 7A01G 13/02 7A01G 9/02**  
**7A47G 7/08**  
[25] FR  
[54] **OMBRELLE POUR BOITE A FLEURS**  
[54] **FLOWER BOX UMBRELLA**  
[72] PLANTE, MARC, CA  
[71] PLANTE, MARC, CA  
[22] 2000-06-22  
[43] 2001-12-22

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[21] **2,313,746**  
[13] A1

[51] **Int.Cl. 7A47C 7/46**  
[25] EN  
[54] **BACKREST WITH ADJUSTABLE LUMBAR SUPPORT**  
[54] **DOSSIER AVEC SUPPORT LOMBAIRE REGLABLE**  
[72] CHU, ZOOEY, US  
[71] GLOBAL TOTAL OFFICE, CA  
[22] 2000-07-12  
[43] 2001-12-20  
[30] US (09/597,444) 2000-06-20

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[21] **2,313,750**  
[13] A1

[51] **Int.Cl. 7A47C 7/46 7A47C 7/42**  
[25] EN  
[54] **CONFORMABLE BACKREST FOR A CHAIR**  
[54] **DOSSIER DE CHAISE QUI S'ADAPTE AU DOS**  
[72] CHU, ZOOEY, US  
[71] GLOBAL TOTAL OFFICE, CA  
[22] 2000-07-12  
[43] 2001-12-20  
[30] US (09/597,445) 2000-06-20

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[21] **2,314,479**  
[13] A1

[51] **Int.Cl. 7A61G 7/10**  
[25] EN  
[54] **WHEELCHAIR LIFT**  
[54] **APPAREIL DE LEVAGE POUR FAUTEUILS ROULANTS**  
[72] SLEVINSKY, PAUL, CA  
[71] SLEVINSKY, PAUL, CA  
[22] 2000-06-21  
[43] 2001-12-21

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[21] **2,314,666**  
[13] A1

[51] **Int.Cl. 7H04M 3/18**  
[25] EN  
[54] **DEVICE AND METHOD FOR SUPPRESSING DSL SIGNAL ECHO INDUCED BY BRIDGETAP**  
[54] **DISPOSITIF ET METHODE DE SUPPRESSION DES ECHOS DE SIGNAL DSL INDUITS PAR LIGNE DE RACCORDEMENT**  
[72] OLSON, GREGORY D., US  
[71] SBC TECHNOLOGY RESOURCES, INC., US  
[22] 2000-07-26  
[43] 2001-12-20  
[30] US (09/597,154) 2000-06-20

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[21] **2,315,420**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7H04M 3/493**  
[25] EN  
[54] **MULTI-SERVICE DIRECTORY AND COMMUNICATION SYSTEM**  
[54] **ANNUAIRE MULTISERVICE ET SYSTEME DE COMMUNICATIONS**  
[72] BRENNAN, PAUL M., CA  
[72] EGAN, BRIAN B., CA  
[71] NORTEL NETWORKS LIMITED, CA  
[22] 2000-08-10  
[43] 2001-12-20  
[30] US (UNKNOWN) 2000-06-20

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[21] **2,315,968**  
[13] A1

[51] **Int.Cl. 7B02C 7/11**  
[25] EN  
[54] **STONE MOUNTING SYSTEM**  
[54] **SYSTEME DE MONTAGE DE PIERRE**  
[72] BYRNE, JOHN, US  
[72] ROUSE, MICHAEL W., US  
[71] ROUSE HOLDINGS INC., US  
[22] 2000-08-15  
[43] 2001-12-16  
[30] US (09/596,059) 2000-06-16

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[21] **2,316,510**  
[13] A1

[51] **Int.Cl. 7B60R 22/46**  
[25] EN  
[54] **PRETENSIONER INTEGRATED WITH A FORCE TRANSFERRING APPARATUS OF A SEAT BELT RETRACTOR**  
[54] **PRE-TENSIONNEUR INTEGRE A UN APPAREIL DE TRANSFERT D'EFFORT DE RETRACTEUR DE CEINTURE DE SECURITE**  
[72] LEE, JONG-HOON, KR  
[72] KIM, SEUNG-MAN, KR  
[72] JIN, SUNG-WOO, KR  
[71] SUNGWOO CORPORATION, KR  
[22] 2000-08-22  
[43] 2001-12-22  
[30] KR (2000-34583) 2000-06-22

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[21] **2,317,232**  
[13] A1

[51] **Int.Cl. 7A61N 1/08**  
[25] EN  
[54] **APPARATUS FOR ELECTRICAL STIMULATION OF THE BODY**  
[54] **STIMULATEUR CORPOREL ELECTRIQUE**  
[72] SWAIN, IAN DOUGLAS, GB  
[72] TAYLOR, PAUL NICHOLAS, GB  
[71] BOURNEMOUTH UNIVERSITY HIGHER EDUCATION CORPORATION, GB  
[71] SALISBURY HEALTHCARE NHS TRUST, GB  
[22] 2000-09-01  
[43] 2001-12-20  
[30] GB (00 14968.2) 2000-06-20

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[21] **2,319,398**  
[13] A1

[51] **Int.Cl. 7H01M 2/14 7H01M 2/16**  
[25] EN  
[54] **SEPARATOR FOR A FUEL CELL AND A METHOD OF PRODUCING THE SAME**  
[54] **SEPARATEUR POUR PILE A COMBUSTIBLE ET METHODE DE FABRICATION DUDIT SEPARATEUR**  
[72] YAMAMOTO, TERUMASA, JP  
[72] KAJI, MASAHIRO, JP  
[72] YOSHIDA, TSUNEMORI, JP  
[72] SUGITA, KATSUNORI, JP  
[71] NIPPON PILLAR PACKING CO., LTD., JP  
[22] 2000-09-14  
[43] 2001-12-19  
[30] JP (2000-183236) 2000-06-19

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**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,324,845**  
[13] A1

[51] **Int.Cl. 7H01R 12/16**  
[25] EN  
[54] **ELECTRICAL CONNECTOR WITH SELF-ADJUSTING CONTACT ELEMENTS**  
[54] **CONNECTEUR ELECTRIQUE AVEC CONTACTS AUTOREGLABLES**  
[72] PALLAI, LASZLO A., CA  
[72] CONDE, MIGUEL, CA  
[71] WECO ELECTRICAL CONNECTORS INC., CA  
[22] 2000-10-31  
[43] 2001-12-20  
[30] US (09/597,181) 2000-06-20

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[21] **2,326,904**  
[13] A1

[51] **Int.Cl. 7G01F 23/04 7G01D 21/00 7G01K 13/00 7G01D 7/04**  
[25] EN  
[54] **MEASURING STICK AND THERMOMETER**  
[54] **REGLE JAUGEE ET THERMOMETRE**  
[72] PUGH, DANA E., CA  
[72] MILES, KENDALL JAMES, CA  
[71] PUGH, DANA E., CA  
[71] MILES, KENDALL JAMES, CA  
[22] 2000-11-28  
[43] 2001-12-16  
[30] US (60/211,979) 2000-06-16

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[21] **2,328,705**  
[13] A1

[51] **Int.Cl. 7G02B 26/08**  
[25] EN  
[54] **1 1/2 X 2 OPTICAL SWITCH**  
[54] **COMMUTATEUR OPTIQUE 1 1/2 X 2**  
[72] COPNER, NIGEL, US  
[72] COHEN, ADAM D., US  
[72] DERSTINE, MATTHEW, US  
[71] JDS UNIPHASE INC., CA  
[22] 2000-12-15  
[43] 2001-12-19  
[30] US (09/594,820) 2000-06-19  
[30] US (09/637,599) 2000-08-15

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[21] **2,326,608**  
[13] A1

[51] **Int.Cl. 7B01J 21/06 7A01K 1/015 7D21H 27/38 7D21H 17/67**  
[25] EN  
[54] **LAMINATED PHOTOCATALYTIC PULP PAPER AND PROCESS FOR PRODUCING THE SAME AS WELL AS SPLITTING AND DISAGGREGATING APPARATUS USING FOR THE PROCESS, PAPER STRING COMPRISING THE LAMINATED PHOTOCATALYTIC PULP PAPER AND PROCESS FOR PRODUCING THE SAME AND MOLDED ARTICLE COMPRISING THE PAPER STRING**  
[54] **PAPIER CONTRECOLLE A BASE DE PATE PHOTOCATALYTIQUE ET PROCEDE POUR LE PRODUIRE, AINSI QU'UN APPAREIL DE SEPARATION ET DE DESAGREGATION UTILISE POUR CE PROCEDE, FICELLE DE PAPIER COMPORTANT CE PAPIER ET PROCEDE DE FABRICATION DE CELLE-CI ET D'ARTICLES MOULES COMPORTANT CELLE-CI**  
[72] NISHIBORI, SADA0, JP  
[71] EIN KOHSAN CO., LTD., JP  
[22] 2000-11-22  
[43] 2001-12-16  
[30] JP (2000-182179) 2000-06-16

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[21] **2,327,021**  
[13] A1

[51] **Int.Cl. 7B01D 29/085 7B65D 85/816**  
[25] EN  
[54] **METHOD OF FORMING AND INSERTING FILTER ELEMENTS IN CUP-SHAPED CONTAINERS**  
[54] **TECHNIQUE DE FORMATION ET D'INSERTION D'ELEMENTS FILTRANTS DANS DES RECIPIENTS EN FORME D'ENTONNOIR**  
[72] RAMLER, DAVID, US  
[72] SWEENEY, RICHARD P., US  
[72] HELMBRECHT, MIKE, US  
[72] WOLF, JAMES L., US  
[72] GORDON, STEVEN J., US  
[72] SALLUM, HANI, US  
[72] WALSH, KEVIN R., US  
[72] CHRISTOPHER, ANTHONY J., US  
[72] ANDERSON, BRETT, US  
[72] BOCCUTI, A. DAVID, US  
[71] KEURIG, INC., US  
[22] 2000-11-21  
[43] 2001-12-20  
[30] US (09/597,455) 2000-06-20

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[21] **2,329,991**  
[13] A1

[51] **Int.Cl. 7A01K 97/10 7A01K 87/00**  
[25] EN  
[54] **ARM CRADLE FOR FISHING ROD**  
[54] **SUPPORT DE BRAS POUR CANNE A PECHE**  
[72] MACALUSO, MICHAEL, US  
[71] MACALUSO, MICHAEL, US  
[22] 2001-01-02  
[43] 2001-12-16  
[30] US (09/595,135) 2000-06-16

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[21] **2,330,217**  
[13] A1

[51] **Int.Cl. 7A61K 31/715 7A61P 35/00 7A61K 35/70**  
[25] EN  
[54] **THERAPEUTIC AGENT FOR A CANCER AND METHOD OF SCREENING THE SAME AND HEALTH-CARE AUXILIARY FOOD**  
[54] **AGENT DE TRAITEMENT DU CANCER ET METHODE DE SELECTION DUDIT AGENT ET ALIMENT AUXILIAIRE POUR SOINS DE SANTE**  
[72] YAGITA, AKIKUNI, JP  
[71] ORIENT CANCER THERAPY CO., LTD., JP  
[22] 2001-01-05  
[43] 2001-12-16  
[30] JP (2000-182124) 2000-06-16

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[21] **2,328,339**  
[13] A1

[51] **Int.Cl. 7A63G 21/18**  
[25] EN  
[54] **WATERSLIDE BOWL**  
[54] **BASSIN DE GLISSOIRE D'EAU**  
[72] STUART, ALEXANDER, GB  
[72] CUTTELL, DAVID J., GB  
[71] WHITEWATER WEST INDUSTRIES LTD., CA  
[22] 2000-12-13  
[43] 2001-12-19

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[21] **2,333,204**  
[13] A1

[51] **Int.Cl. 7C07C 9/16 7C07C 6/10 7C07C 9/12 7C07C 2/70**  
[25] EN  
[54] **ISOPENTANE DISPROPORTIONATION**  
[54] **DISMUTATION DE L'ISOPENTANE**  
[72] HOOVER, KENNETH C., US  
[72] PFILE, MARTYN E., US  
[72] RANDOLPH, BRUCE B., US  
[71] PHILLIPS PETROLEUM COMPANY, US  
[22] 2001-01-31  
[43] 2001-12-19  
[30] US (09/596,456) 2000-06-19

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[21] **2,337,664**  
[13] A1

[51] **Int.Cl. 7F01D 21/00 7H02P 9/04**  
[25] EN  
[54] **A POWER PLANT OPERATION CONTROL SYSTEM AND A POWER PLANT MAINTAINING AND MANAGING METHOD**  
[54] **UN SYSTEME DE COMMANDE DE L'EXPLOITATION D'UNE CENTRALE ENERGETIQUE ET UNE METHODE DE GESTION ET D'ENTRETIEN D'UNE CENTRALE ENERGETIQUE**  
[72] IKEDA, HIRAKU, JP  
[72] NAGAFUCHI, NAOYUKI, JP  
[72] IWAI, YASUSHI, JP  
[71] HITACHI, LTD., JP  
[22] 2001-02-22  
[43] 2001-12-22  
[30] JP (2000-192651) 2000-06-22

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[21] **2,338,006**  
[13] A1

[51] **Int.Cl. 7G08C 25/00 7G06F 19/00**  
[25] EN  
[54] **REMOTE MONITORING DIAGNOSTIC SYSTEM AND METHOD THEREOF**  
[54] **SYSTEME DE CONTROLE ET DE DIAGNOSTIC A DISTANCE ET METHODE CONNEXE**  
[72] OKABE, AKIRA, JP  
[72] ICHIHASHI, AKIYO, JP  
[72] YAMAGUCHI, ZENJI, JP  
[72] IKEDA, HIRAKU, JP  
[71] HITACHI, LTD., JP  
[71] HITACHI ENGINEERING & SERVICES CO., LTD., JP  
[22] 2001-02-26  
[43] 2001-12-22  
[30] JP (2000-192650) 2000-06-22

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[21] **2,338,960**  
[13] A1

[51] **Int.Cl. 7A61F 5/37**  
[25] EN  
[54] **APPARATUS FOR RELIEVING PAIN FROM A GROIN INJURY**  
[54] **APPAREIL DE SOULAGEMENT DE BLESSURE A L'AINE**  
[72] METCALFE, ROBERT R. J., CA  
[71] METCALFE, ROBERT R. J., CA  
[71] TRAVIS, GORDON W., CA  
[22] 2001-02-28  
[43] 2001-12-19  
[30] US (09/597,829) 2000-06-19

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[21] **2,339,449**  
[13] A1

[51] **Int.Cl. 7A47L 9/16**  
[25] EN  
[54] **UPRIGHT-TYPE VACUUM CLEANER HAVING A CYCLONE DUST COLLECTING APPARATUS**  
[54] **ASPIRATEUR VERTICAL AVEC COLLECTEUR DE POUSSIERE A CYCLONE**  
[72] PARK, KYU-CHANG, KR  
[72] OH, JANG-KEUN, KR  
[71] SAMSUNG KWANGJU ELECTRONICS CO., LTD., KR  
[22] 2001-03-07  
[43] 2001-12-16  
[30] KR (2000-33337) 2000-06-16  
[30] KR (2000-33338) 2000-06-16

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[21] **2,339,719**  
[13] A1

[51] **Int.Cl. 7H01P 1/213**  
[25] EN  
[54] **MICROWAVE MODULE FOR SEPARATING HIGH FREQUENCY TRANSMISSION SIGNALS AND HIGH FREQUENCY RECEPTION SIGNALS ON THE BASIS OF THEIR FREQUENCIES**  
[54] **MODULE MICRO-ONDES PERMETTANT DE SEPARER LES SIGNAUX D'EMISSION HAUTE FREQUENCE ET LES SIGNAUX DE RECEPTION HAUTE FREQUENCE D'APRES LE NIVEAU DE LEUR FREQUENCE**  
[72] ISHIDA, MASAOKI, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 2001-03-08  
[43] 2001-12-21  
[30] JP (2000-186446) 2000-06-21

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[21] **2,342,252**  
[13] A1

[51] **Int.Cl. 7C09D 175/16 7C09D 133/14**  
[25] EN  
[54] **COATING COMPOSITION**  
[54] **MATIERE DE REVETEMENT**  
[72] HUYNH-BA, GIA, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[22] 2001-03-26  
[43] 2001-12-21  
[30] US (09/598,610) 2000-06-21

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[21] **2,342,525**  
[13] A1

[51] **Int.Cl. 7G02F 1/01**  
[25] EN  
[54] **RECIPROCATING OPTICAL MODULATION SYSTEM**  
[54] **SYSTEME DE MODULATION OPTIQUE RECIPROQUE**  
[72] KAWANISHI, TETSUYA, JP  
[71] COMMUNICATIONS RESEARCH LABORATORY, MINISTRY OF PUBLIC MANAGEMENT, HOME AFFAIRS, POSTS AND TELECOMMUNICATIONS, JP  
[22] 2001-03-29  
[43] 2001-12-22  
[30] JP (2000-188507) 2000-06-22

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[21] **2,342,751**  
[13] A1

[51] **Int.Cl. 7C08G 18/72 7C09D 175/04 7C09D 133/14 7C08G 18/50**  
[25] EN  
[54] **COATING COMPOSITION**  
[54] **MATIERE DE REVETEMENT**  
[72] HUYNH-BA, GIA, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[22] 2001-04-04  
[43] 2001-12-21  
[30] US (09/598,748) 2000-06-21

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**Demandes canadiennes mises à la disponibilité du public**  
**16 décembre 2001 - 22 décembre 2001**

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[21] **2,343,658**  
[13] A1

[51] **Int.Cl. 7B22C 9/10 7B22D 13/00 7B22C 9/02**  
[25] EN  
[54] **SAND CORE BREAKING APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE DE RUPTURE D'UN NOYAU EN SABLE**  
[72] PETING, ROBERT G., US  
[71] AMSTED INDUSTRIES INCORPORATED, US  
[22] 2001-04-10  
[43] 2001-12-16  
[30] US (09/595,131) 2000-06-16

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[21] **2,343,857**  
[13] A1

[51] **Int.Cl. 7B24D 3/00**  
[25] EN  
[54] **QUICK CHANGE GRINDER BIT HOLDER**  
[54] **PORTE-OUTIL DE MEULEUSE A REMPLACEMENT RAPIDE**  
[72] HACIKYAN, MICHAEL, US  
[71] TECHNICOR, INC., US  
[22] 2001-04-11  
[43] 2001-12-21  
[30] US (09/598,519) 2000-06-21

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[21] **2,344,003**  
[13] A1

[51] **Int.Cl. 7G02B 5/26**  
[25] EN  
[54] **OPTICAL FILTER**  
[54] **FILTRE OPTIQUE**  
[72] COLBOURNE, PAUL, CA  
[72] PAIAM, REZA, CA  
[72] TOUHARI, DRISS, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-04-12  
[43] 2001-12-19  
[30] US (09/597,692) 2000-06-19

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[21] **2,344,285**  
[13] A1

[51] **Int.Cl. 7F21V 7/10**  
[25] EN  
[54] **LAMP ASSEMBLY AND COUPLER**  
[54] **LAMPE ET COUPLEUR**  
[72] COUSHAIN, CHARLES, US  
[72] OUELLETTE, JOSEPH, US  
[72] LYMAN, PAUL, US  
[72] PETERSON, FREDERICK A., US  
[71] OSRAM SYLVANIA INC., US  
[22] 2001-04-18  
[43] 2001-12-21  
[30] US (09/598,548) 2000-06-21

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[21] **2,344,299**  
[13] A1

[51] **Int.Cl. 7H04L 29/02 7H04J 14/02 7H04L 12/437**  
[25] EN  
[54] **CONTROL CHANNEL PROCESSOR AND SWITCHING MECHANISM**  
[54] **PROCESSEUR DE CANAL DE COMMANDE ET MECANISME DE COMMUTATION**  
[72] TZATHAS, ANASTASIOS, US  
[72] SARATHY, JITHAMITHRA, US  
[72] LEVY, DAVID S., US  
[72] ALVAREZ, MARIO F., US  
[72] AL-SALAMEH, DANIEL Y., US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-18  
[43] 2001-12-16  
[30] US (09/596,378) 2000-06-16

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[21] **2,344,562**  
[13] A1

[51] **Int.Cl. 7H01J 5/32 7H01J 5/00**  
[25] EN  
[54] **ELECTRIC LAMP HAVING PRESS SEAL CONFIGURATION FOR EXHAUST TUBE PROTECTION**  
[54] **LAMPE ELECTRIQUE MUNIE D'UN JOINT A COMPRESSION POUR LA PROTECTION DU TUBE DE SORTIE**  
[72] FORD, MICHAEL T., US  
[72] GAGNON, MITCHELL R., US  
[72] KRETOVIC, WILLIAM L., US  
[72] CERNOTA, ARNOLD R., US  
[72] BIBBO, GREGORY, US  
[71] OSRAM SYLVANIA INC., US  
[22] 2001-05-03  
[43] 2001-12-19  
[30] US (09/596,777) 2000-06-19

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[21] **2,344,610**  
[13] A1

[51] **Int.Cl. 7H04Q 7/06**  
[25] EN  
[54] **PAGING DEVICE**  
[54] **AVERTISSEUR DE TELEAPPEL**  
[72] GHOSH, RANJAN, IN  
[72] HOLLA, GOPALAKRISHNA RAMAKRISHNA, IN  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-19  
[43] 2001-12-20  
[30] EP (00305204.0) 2000-06-20

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[21] **2,344,737**  
[13] A1

[51] **Int.Cl. 7H03H 11/34 7B81B 3/00 7H03H 9/02 7H04B 1/26**  
[25] EN  
[54] **ENCAPSULATED MEMS BAND-PASS FILTER FOR INTEGRATED CIRCUITS AND METHOD OF FABRICATION THEREOF**  
[54] **FILTRE PASSE-BANDE DE MEMS ENCAPSULE POUR CIRCUITS INTEGRES ET METHODE DE FABRICATION CONNEXE**  
[72] CHAN, KEVIN K., US  
[72] JAHNES, CHRISTOPHER, US  
[72] SHI, LEATHEN, US  
[72] SPEIDELL, JAMES L., US  
[72] ZIEGLER, JAMES F., US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-04-20  
[43] 2001-12-19  
[30] US (09/596,725) 2000-06-19

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[21] **2,344,739**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **A METHOD AND SYSTEM FOR IDENTIFYING CONSUMER CREDIT REVOLVERS WITH NEURAL NETWORK TIME SERIES SEGMENTATION**  
[54] **METHODE ET SYSTEME D'IDENTIFICATION DES PERIODES DE ROTATION DU CREDIT A LA CONSOMMATION PAR SEGMENTATION DES SERIES TEMPORELLES DE RESEAU NEURONAL**  
[72] ROTHMAN, MICHAEL, US  
[72] NANEK, DAVID WAYNE, US  
[72] MURPHY, EDGAR LEROY, US  
[72] LIU, SHIPING, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-04-20  
[43] 2001-12-19  
[30] US (09/596,898) 2000-06-19



**Canadian Laid-Open Applications  
December 16, 2001 - December 22, 2001**

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[21] **2,344,839**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36**  
[25] EN  
[54] **TRANSMISSION OF MOBILE UNIT REQUESTS IN WIRELESS UPLINK SYSTEMS**  
[54] **TRANSMISSION DES DEMANDES D'UNITES MOBILES DANS LES SYSTEMES A LIAISON MONTANTE SANS FIL**  
[72] UPPALA, SATHYADEV VENKATA, US  
[72] LAROIA, RAJIV, US  
[72] LI, JUNYI, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-23  
[43] 2001-12-19  
[30] US (09/596,434) 2000-06-19

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[21] **2,344,844**  
[13] A1

[51] **Int.Cl. 7H04Q 7/38**  
[25] EN  
[54] **LINK LEVEL SUPPORT OF WIRELESS DATA**  
[54] **SOUTIEN DE NIVEAU LIAISON DES DONNEES TRANSMISES SANS FIL**  
[72] UPPALA, SATHYADEV VENKATA, US  
[72] LAROIA, RAJIV, US  
[72] LI, JUNYI, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-23  
[43] 2001-12-19  
[30] US (09/596,817) 2000-06-19

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[21] **2,344,869**  
[13] A1

[51] **Int.Cl. 7H04B 10/17 7H04B 10/08**  
[25] EN  
[54] **APPARATUS FOR DETECTING RAMAN GAIN IN AN OPTICAL TRANSMISSION SYSTEM**  
[54] **APPAREIL DE DETECTION DU GAIN DE RAMAN DANS UN SYSTEME DE TRANSMISSION OPTIQUE**  
[72] SHEHADEH, FATIMAH, US  
[72] DENKIN, NATHAN MYRON, US  
[72] LIN, WENHUA, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-23  
[43] 2001-12-22  
[30] US (09/599,194) 2000-06-22

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[21] **2,346,614**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **A METHOD OF RETAINING CUSTOMERS OF INTERNET SITES USING INCENTIVES**  
[54] **METHODE DE RETENUE DE CLIENTS DE SITES INTERNET AU MOYEN D'INCITATIFS**  
[72] ANANTHANARAYANAN, REMA, IN  
[72] GUPTA, MANISH, IN  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-05-07  
[43] 2001-12-20  
[30] US (09/597,626) 2000-06-20

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[21] **2,347,318**  
[13] A1

[51] **Int.Cl. 7B01J 8/16 7F26B 17/02**  
[25] EN  
[54] **RING TO RING TROUGH CONDITIONING APPARATUS**  
[54] **APPAREIL DE CONDITIONNEMENT A ELEMENTS CIRCULAIRES**  
[72] CARLYLE, ALLAN M., CA  
[71] CARLYLE, ALLAN M., CA  
[22] 2001-05-11  
[43] 2001-12-19  
[30] US (09/597,352) 2000-06-19

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[21] **2,347,601**  
[13] A1

[51] **Int.Cl. 7B23Q 3/00**  
[25] EN  
[54] **A FIXTURING DEVICE FOR HOLDING A WORKPIECE**  
[54] **DISPOSITIF DE FIXATION SERVANT A MAINTENIR UNE PIECE A TRAITER**  
[72] STEWART, MAX E., US  
[71] CONTOUR HARDENING, INC., US  
[22] 2001-05-15  
[43] 2001-12-20  
[30] US (09/597,100) 2000-06-20

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[21] **2,347,931**  
[13] A1

[51] **Int.Cl. 7F04D 19/00 7F04D 29/32**  
[25] EN  
[54] **AXIAL FAN WITH REVERSIBLE FLOW DIRECTION**  
[54] **VENTILATEUR AXIAL A DIRECTION REVERSIBLE**  
[72] NEUMEIER, RALF, DE  
[71] TURBO LUFTECHNIK GMBH, DE  
[22] 2001-05-16  
[43] 2001-12-21  
[30] DE (100 30 497.4) 2000-06-21

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[21] **2,348,207**  
[13] A1

[51] **Int.Cl. 7A61F 13/49**  
[25] EN  
[54] **DISPOSABLE DIAPER**  
[54] **COUCHE JETABLE**  
[72] MUKAI, HIROTOMO, JP  
[72] SHINGU, YOSHIKAZU, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-05-23  
[43] 2001-12-19  
[30] JP (2000-183701) 2000-06-19

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[21] **2,348,322**  
[13] A1

[51] **Int.Cl. 7B41J 2/21**  
[25] EN  
[54] **SYSTEM AND METHOD FOR REDUCING INTER-COLOR BLEEDING IN LIQUID INK JET PRINTING**  
[54] **SYSTEME ET METHODE PERMETTANT DE REDUIRE LA SOLUBILISATION INTER-COULEURS LORS DE L'IMPRESSION PAR JET D'ENCRE LIQUIDE**  
[72] HAWKINS, WILLIAM G., US  
[72] MARKHAM, ROGER G., US  
[72] XIE, YONGLIN, US  
[71] XEROX CORPORATION, US  
[22] 2001-05-24  
[43] 2001-12-16  
[30] US (09/594,689) 2000-06-16

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**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,348,591**  
[13] A1

[51] **Int.Cl. 7C09D 5/04 7A61K 7/00 7A23L 1/058**  
[25] EN  
[54] **METHOD OF REDUCING SYNERESIS IN AQUEOUS COMPOSITIONS**  
[54] **METHODE PERMETTANT DE REDUIRE LA SYNERESE DANS LES COMPOSITIONS AQUEUSES**  
[72] NEELY, JAMES WATSON, US  
[72] HARRIS, JEROME M., US  
[71] ROHM AND HAAS COMPANY, US  
[22] 2001-06-05  
[43] 2001-12-20  
[30] US (60/212,561) 2000-06-20

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[21] **2,349,016**  
[13] A1

[51] **Int.Cl. 7A61F 13/49**  
[25] EN  
[54] **DISPOSABLE DIAPER AND PROCESS FOR MAKING THE SAME**  
[54] **COUCHE JETABLE ET PROCEDE DE FABRICATION CORRESPONDANT**  
[72] SHINGU, YOSHIKAZU, JP  
[72] MUKAI, HIROTOMO, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-05-28  
[43] 2001-12-19  
[30] JP (2000-183703) 2000-06-19

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[21] **2,349,021**  
[13] A1

[51] **Int.Cl. 7G06F 13/38 7G06F 19/00**  
[25] EN  
[54] **SYSTEM, METHOD AND BIOSENSOR APPARATUS FOR DATA COMMUNICATIONS WITH A PERSONAL DATA ASSISTANT**  
[54] **SYSTEME, METHODE ET APPAREIL BIOCAPTEUR PERMETTANT LA TRANSMISSION DE DONNEES A L'AIDE D'UN ASSISTANT NUMERIQUE PERSONNEL**  
[72] MILLER, RANDALL W., US  
[72] MOORE, STARKE S., US  
[72] SCHELL, ROBERT D., US  
[72] PERRY, JOSEPH E., US  
[72] TRIPPEL, CHRISTINE G., US  
[71] BAYER CORPORATION, US  
[22] 2001-05-29  
[43] 2001-12-16  
[30] US (60/211,964) 2000-06-16

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[21] **2,349,103**  
[13] A1

[51] **Int.Cl. 7B65D 33/20 7B65D 33/22**  
[25] EN  
[54] **PACKAGE HAVING RE-SEALABLE END CLOSURE AND METHOD FOR MAKING SAME**  
[54] **EMBALLAGE A FERMETURE RESELLABLE ET METHODE DE FABRICATION CORRESPONDANTE**  
[72] BENSUR, FRANCIS J., US  
[72] SCHUETZ, JEFFREY M., US  
[71] SONOCO DEVELOPMENT, INC., US  
[22] 2001-05-28  
[43] 2001-12-19  
[30] US (09/596,309) 2000-06-19

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[21] **2,349,107**  
[13] A1

[51] **Int.Cl. 7B65B 13/22**  
[25] EN  
[54] **STRAPPING MACHINE WITH RESTRICTION DEVICE**  
[54] **CERCLEUSE AVEC LIMITEUR**  
[72] BOBREN, ALLAN J., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-05-30  
[43] 2001-12-19  
[30] US (09/596,455) 2000-06-19

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[21] **2,349,113**  
[13] A1

[51] **Int.Cl. 7B05C 5/04**  
[25] EN  
[54] **SPLIT OUTPUT ADHESIVE NOZZLE ASSEMBLY**  
[54] **ENSEMBLE DE BUSE D'ADHESIF A DEBIT SEPARÉ**  
[72] MCGUFFEY, GRANT, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-05-30  
[43] 2001-12-21  
[30] US (09/598,166) 2000-06-21

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[21] **2,349,230**  
[13] A1

[51] **Int.Cl. 7A61F 13/49**  
[25] EN  
[54] **DISPOSABLE DIAPER**  
[54] **COUCHE JETABLE**  
[72] SHINGU, YOSHIKAZU, JP  
[72] MUKAI, HIROTOMO, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-05-29  
[43] 2001-12-19  
[30] JP (2000-183829) 2000-06-19

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[21] **2,349,355**  
[13] A1

[51] **Int.Cl. 7A61F 13/49**  
[25] EN  
[54] **DISPOSABLE DIAPER**  
[54] **COUCHE JETABLE**  
[72] MUKAI, HIROTOMO, JP  
[72] SHINGU, YOSHIKAZU, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-05-31  
[43] 2001-12-19  
[30] JP (2000-183845) 2000-06-19

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[21] **2,349,364**  
[13] A1

[51] **Int.Cl. 7B60N 2/28**  
[25] EN  
[54] **UNIVERSAL ATTACHMENT FOR CHILD CAR SEAT**  
[54] **FIXATION UNIVERSELLE POUR SIEGE D'AUTO D'ENFANT**  
[72] RHEIN, JOHN F., US  
[72] ASBACH, RONALD M., US  
[71] MATTEL, INC., US  
[22] 2001-05-31  
[43] 2001-12-22  
[30] US (09/598,989) 2000-06-22

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[21] **2,349,377**  
[13] A1

[51] **Int.Cl. 7B65H 51/06 7B23K 37/00 7B29C 65/40**  
[25] EN  
[54] **FORWARDING A ROD FOR USE IN WELDING BY HIGH PRESSURE INJECTION**  
[54] **ACHEMINEMENT D'UNE BAGUETTE DE SOUDAGE PAR INJECTION SOUS HAUTE PRESSION**  
[72] DRADER, CLARENCE H., CA  
[71] DRADER, CLARENCE H., CA  
[22] 2001-05-11  
[43] 2001-12-16  
[30] US (09/595,444) 2000-06-16

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**Canadian Laid-Open Applications**  
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[21] **2,349,395**  
[13] A1

[51] **Int.Cl. 7H02G 3/08**  
[25] EN  
[54] **FEED THROUGH BOX ASSEMBLY FOR RACEWAY**  
[54] **BOITE DE TRAVERSEE POUR CANALISATION**  
[72] EWER, STEPHEN R., US  
[72] DEBARTOLO, JOSEPH V., JR., US  
[72] METHOT, DANIEL J., US  
[71] HUBBELL INCORPORATED, US  
[22] 2001-05-31  
[43] 2001-12-22  
[30] US (09/599,028) 2000-06-22

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[21] **2,349,478**  
[13] A1

[51] **Int.Cl. 7H03L 7/06**  
[25] EN  
[54] **DIRECT DIGITAL FREQUENCY SYNTHESIZER AND A HYBRID FREQUENCY SYNTHESIZER COMBINING A DIRECT DIGITAL FREQUENCY SYNTHESIZER AND A PHASE LOCKED LOOP**  
[54] **SYNTHETISEUR DE FREQUENCE NUMERIQUE DIRECTE ET SYNTHETISEUR DE FREQUENCE HYBRIDE COMBINANT UN SYNTHETISEUR DE FREQUENCE NUMERIQUE DIRECTE ET UNE BOUCLE A VERROUILLAGE DE PHASE**  
[72] KHAN, NASSERULLAH, CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 2001-06-01  
[43] 2001-12-21  
[30] US (60/212,399) 2000-06-21

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[21] **2,349,634**  
[13] A1

[51] **Int.Cl. 7F24H 1/18**  
[25] EN  
[54] **GAS WATER HEATER**  
[54] **CHAUFFE-EAU AU GAZ**  
[72] LINDNER, DAVID, AU  
[71] AQUABEAT PTY LTD, AU  
[22] 2001-06-01  
[43] 2001-12-19  
[30] AU (PQ 8218) 2000-06-19

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[21] **2,349,668**  
[13] A1

[51] **Int.Cl. 7F01P 3/12 7B60R 16/08**  
[25] EN  
[54] **VISCOUS LIQUID COMPOSITION SUPPLY SYSTEM**  
[54] **SYSTEME D'ALIMENTATION EN COMPOSITION DE LIQUIDE VISQUEUX**  
[72] OAKLEY, BRETT, US  
[71] MAR-FLEX SYSTEMS, INC., US  
[22] 2001-06-04  
[43] 2001-12-16  
[30] US (09/596,123) 2000-06-16

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[21] **2,349,689**  
[13] A1

[51] **Int.Cl. 7E05F 3/04**  
[25] EN  
[54] **DOOR OPENING AND CLOSING DEVICE**  
[54] **DISPOSITIF D'OUVERTURE ET DE FERMETURE DE PORTE**  
[72] CHOI, WOON-YOUNG, KR  
[72] LEE, IL-HEE, KR  
[71] I & V TECH CO., LTD., KR  
[22] 2001-06-04  
[43] 2001-12-20  
[30] KR (2000-17491 (U.M.)) 2000-06-20

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[21] **2,349,771**  
[13] A1

[51] **Int.Cl. 7G03F 7/20 7H01L 21/461**  
[25] EN  
[54] **ILLUMINATION SYSTEM WITH SPATIALLY CONTROLLABLE PARTIAL COHERENCE COMPENSATING FOR LINE WIDTH VARIANCES IN A PHOTOLITHOGRAPHIC SYSTEM**  
[54] **SYSTEME D'ECLAIRAGE AYANT UNE COHERENCE PARTIELLE CONTROLABLE SPATIALEMENT POUR COMPENSER LES VARIATIONS DE LARGEUR DE BANDES DANS UN SYSTEME PHOTOLITHOGRAPHIQUE**  
[72] GALLATIN, GREGG M., US  
[72] MCCULLOUGH, ANDREW W., US  
[71] SVG LITHOGRAPHY SYSTEMS, INC., US  
[22] 2001-06-06  
[43] 2001-12-22  
[30] US (09/599,383) 2000-06-22

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[21] **2,349,778**  
[13] A1

[51] **Int.Cl. 7C08L 7/00**  
[25] EN  
[54] **VIBRATION DAMPING RUBBER MEMBER HAVING EXCELLENT DURABILITY AND METHOD OF PRODUCING THE SAME**  
[54] **MEMBRANE EN CAOUTCHOUC POUR AMORTIR LES VIBRATIONS AYANT UNE EXCELLENTE DURABILITE ET METHODE POUR SA PRODUCTION**  
[72] IIO, SHINJI, JP  
[72] YOSHIKAWA, AKO, JP  
[72] TAGUCHI, TAKEHIKO, JP  
[71] TOKAI RUBBER INDUSTRIES, LTD., JP  
[22] 2001-06-08  
[43] 2001-12-16  
[30] JP (2000-181264) 2000-06-16

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[21] **2,349,796**  
[13] A1

[51] **Int.Cl. 7C04B 22/14 7C04B 22/12**  
[25] EN  
[54] **ALKALI-FREE SETTING AND HARDENING ACCELERATOR**  
[54] **ACCELERATEUR DE PRISE ET DE DURCISSEMENT NE CONTENANT PAS DE METAUX ALCALINS**  
[72] BURGE, THEODOR A., CH  
[72] WOMBACHER, FRANZ, CH  
[72] SOMMER, MARCEL, CH  
[71] SIKA AG, VORM. KASPAR WINKLER & CO., CH  
[22] 2001-06-07  
[43] 2001-12-21  
[30] AT (00 113 018.6) 2000-06-21

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[21] **2,349,811**  
[13] A1

[51] **Int.Cl. 7A61K 7/48**  
[25] EN  
[54] **COSMETICS**  
[54] **COSMETIQUES**  
[72] TAKEKOSHI, YOICHIRO, JP  
[72] OONUMA, TOSHIO, JP  
[72] TAKAHASHI, TOMOYA, JP  
[71] KYOWA HAKKO KOGYO CO., LTD., JP  
[22] 2001-06-07  
[43] 2001-12-20  
[30] JP (183937/00) 2000-06-20

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**Demandes canadiennes mises à la disponibilité du public**  
**16 décembre 2001 - 22 décembre 2001**

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[21] **2,349,841**  
[13] A1

[51] **Int.Cl. 7C12N 15/82 7A01H 5/00 7C12N 15/52 7C12Q 1/68**  
[25] EN  
[54] **CORN EVENT PV-ZMGT32(NK603) AND COMPOSITIONS AND METHODS FOR DETECTION THEREOF**  
[54] **TRANSFORMATION PV-ZMGT32(NK603) DU MAIS, ET COMPOSITIONS ET METHODES DE DETECTION CONNEXES**  
[72] HIRONAKA, CATHERINE, US  
[72] BEHR, CARL F., US  
[72] HECK, GREGORY R., US  
[72] YOU, JINSONG, US  
[71] MONSANTO TECHNOLOGY LLC, US  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (60/213,567) 2000-06-22  
[30] US (60/241,215) 2000-10-13  
[30] US (60/240,014) 2000-10-13

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[21] **2,349,920**  
[13] A1

[51] **Int.Cl. 7A01B 1/16**  
[25] EN  
[54] **DEVICE FOR CULTIVATING AND WEEDING**  
[54] **DISPOSITIF DE TRAVAIL DU SOL ET DE SARCLAGE**  
[72] CRANDALL, LINDA D., US  
[71] CRANDALL, LINDA D., US  
[22] 2001-06-11  
[43] 2001-12-20  
[30] US (09/597,797) 2000-06-20

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[21] **2,349,958**  
[13] A1

[51] **Int.Cl. 7C08L 7/00 7C08L 35/02 7C08L 33/08 7C08J 3/24**  
[25] EN  
[54] **RUBBER PRODUCT WITH METALLIC STRUCTURE AND METHOD OF PRODUCING THE SAME**  
[54] **PRODUIT EN CAOUTCHOUC COMPORTANT UNE STRUCTURE METALLIQUE ET METHODE POUR LE PRODUIRE**  
[72] TAGUCHI, TAKEHIKO, JP  
[72] YOSHIKAWA, AKO, JP  
[72] IIO, SHINJI, JP  
[71] TOKAI RUBBER INDUSTRIES, LTD., JP  
[22] 2001-06-08  
[43] 2001-12-16  
[30] JP (2000-181264) 2000-06-16  
[30] JP (2000-191132) 2000-06-26

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[21] **2,349,984**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G06F 17/60**  
[25] EN  
[54] **SUPPORT SYSTEM FOR SETTING PRICE OF TRANSACTION TARGET ARTICLE**  
[54] **SYSTEME DE SOUTIEN POUR FIXER LE PRIX D'UN ARTICLE CIBLE DE TRANSACTION**  
[72] NISHIMOTO, YOSHITAKA, JP  
[71] TSUBASA SYSTEM CO., LTD., JP  
[22] 2001-06-04  
[43] 2001-12-20  
[30] JP (2000-185379) 2000-06-20

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[21] **2,349,993**  
[13] A1

[51] **Int.Cl. 7B30B 9/28**  
[25] EN  
[54] **PUNCH AND DIE**  
[54] **PERFORATEUR ET POINCON**  
[72] NAKAMURA, ETSUJI, JP  
[72] MATOBA, HIROSHI, JP  
[72] FUKADA, HIROSHI, JP  
[71] TAKEDA CHEMICAL INDUSTRIES, LTD., JP  
[22] 2001-06-07  
[43] 2001-12-16  
[30] JP (182039/2000) 2000-06-16

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[21] **2,349,997**  
[13] A1

[51] **Int.Cl. 7C04B 22/12**  
[25] EN  
[54] **SULFATE-FREE AND ALKALI-FREE SETTING AND HARDENING ACCELERATOR**  
[54] **ACCELERATEUR DE PRISE ET DE DURCISSEMENT NE CONTENANT PAS DE SULFATES NI DE METAUX ALCALINS**  
[72] SOMMER, MARCEL, CH  
[72] WOMBACHER, FRANZ, CH  
[72] BURGE, THEODOR A., CH  
[71] SIKA AG, VORM. KASPAR WINKLER & CO., CH  
[22] 2001-06-07  
[43] 2001-12-21  
[30] AT (00 113 019.4) 2000-06-21

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[21] **2,350,008**  
[13] A1

[51] **Int.Cl. 7C08K 3/34**  
[25] EN  
[54] **AN INSULATING COMPOSITION THAT IS RESISTANT TO OIL AND TO FIRE PROPAGATION, AND A METHOD OF PREPARING IT**  
[54] **COMPOSITION ISOLANTE IGNIFUGE RESISTANT A L'HUILE, ET METHODE DE PREPARATION**  
[72] CHRIQUI, GILLES, FR  
[71] NEXANS, FR  
[22] 2001-06-11  
[43] 2001-12-19  
[30] FR (00 07 791) 2000-06-19

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[21] **2,350,016**  
[13] A1

[51] **Int.Cl. 7A22B 3/06 7H05C 1/00 7A01K 81/00**  
[25] EN  
[54] **PROCEDURE FOR ELECTRO-STUNNING AND/OR ELECTRO-SACRIFICE, FOR INDUSTRIAL APPLICATION TO MARINE ICHTHYOLOGICAL SPECIES IN FLOATING CAGES**  
[54] **PROCEDURE D'ETOURDISSEMENT ET/OU DE SACRIFICE AVEC DE L'ELECTRICITE POUR APPLICATION INDUSTRIELLE SUR DES ESPECES ICHTHYOLOGIQUES MARINES DANS DES CAGES FLOTTANTES**  
[72] GARCIA MARTINEZ, MARCO ANTONIO, ES  
[71] GINES MENDEZ ESPANA, S.L., ES  
[22] 2001-06-08  
[43] 2001-12-16  
[30] EP (00 500 131.8) 2000-06-16

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December 16, 2001 - December 22, 2001**

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[21] **2,350,126**  
[13] A1

[51] **Int.Cl. 7A01K 1/01 7C02F 9/02**  
[25] EN  
[54] **AN ANIMAL WASTE MANAGEMENT SYSTEM AND METHOD THEREOF**  
[54] **SYSTEME DE GESTION DES DECHETS ANIMAUX ET METHODE CONNEXE**  
[72] TOWNSEND, DAVID ALLEN, US  
[72] FREISS, JAMES H., US  
[72] SNEED, JOEL WILLIS, US  
[72] PAULSEN, BRIAN, US  
[72] STEWART, ALFRED, US  
[71] PREMIUM STANDARD FARMS, INC., US  
[22] 2001-06-08  
[43] 2001-12-16  
[30] US (09/595,702) 2000-06-16

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[21] **2,350,150**  
[13] A1

[51] **Int.Cl. 7G01M 9/04 7F16M 13/00**  
[25] FR  
[54] **DISPOSITIF DE SUPPORT D'UN ENGIN VOLANT A MOTEUR DANS UNE SOUFFLERIE**  
[54] **SUPPORT SYSTEM FOR A MOTORIZED FLYING MACHINE IN A WIND TUNNEL**  
[72] CARTON, LAURENT, FR  
[72] DEMAY, JEAN-PAUL, FR  
[71] AEROSPATIALE MATRA MISSILES, FR  
[22] 2001-06-12  
[43] 2001-12-21  
[30] FR (0007927) 2000-06-21

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[21] **2,350,170**  
[13] A1

[51] **Int.Cl. 7B04C 5/00**  
[25] EN  
[54] **HYDROCYCLONE DEVICE**  
[54] **DISPOSITIF HYDROCYCLONE**  
[72] RIPPL, STEFAN, DE  
[72] SCHWEISS, PETER, DE  
[72] DANGER, MICHAEL, DE  
[72] HARTMANN, ROLF, DE  
[71] VOITH PAPER PATENT GMBH, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (DE 200 10 900.6) 2000-06-20

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[21] **2,350,222**  
[13] A1

[51] **Int.Cl. 7H02G 3/30**  
[25] EN  
[54] **CHANNEL FOR LOW VOLTAGE ELECTRICAL WIRING**  
[54] **GOULOTTE POUR CABLAGE ELECTRIQUE BASSE TENSION**  
[72] LHOTA, THOMAS E., US  
[71] LHOTA, THOMAS E., US  
[22] 2001-06-12  
[43] 2001-12-20  
[30] US (09/596,991) 2000-06-20

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[21] **2,350,259**  
[13] A1

[51] **Int.Cl. 7B65B 13/18**  
[25] EN  
[54] **STRAPPING MACHINE WITH TWISTED BELT DRIVE**  
[54] **CERCLEUSE AVEC ENTRAINEMENT A COURROIE TORSADEE**  
[72] BOBREN, ALLAN J., US  
[72] HABERSTROH, JAMES A., US  
[72] PEARSON, TIMOTHY B., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-06-12  
[43] 2001-12-19  
[30] US (09/597,339) 2000-06-19

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[21] **2,350,260**  
[13] A1

[51] **Int.Cl. 7G01B 21/00 7E02D 3/026**  
[25] EN  
[54] **METHOD AND DEVICE FOR DETERMINING THE DEGREE OF COMPACTION DURING GROUND COMPACTION**  
[54] **METHODE ET DISPOSITIF POUR DETERMINER LE DEGRE DE COMPACTAGE LORS DU COMPACTAGE DU SOL**  
[72] LAUGWITZ, NIELS, DE  
[71] BOMAG GMBH & CO. OHG, DE  
[22] 2001-06-12  
[43] 2001-12-16  
[30] DE (100 28 949.5) 2000-06-16

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[21] **2,350,262**  
[13] A1

[51] **Int.Cl. 7F23L 7/00**  
[25] EN  
[54] **FUEL DILUTION METHODS AND APPARATUS FOR NO REDUCTION**  
[54] **METHODES ET APPAREIL DE DILUTION DE COMBUSTIBLES PERMETTANT DE REDUIRE LA TENEUR EN NO**  
[72] LANG, JERRY M., US  
[71] JOHN ZINK COMPANY, LLC, US  
[22] 2001-06-12  
[43] 2001-12-20  
[30] US (09/597,014) 2000-06-20

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[21] **2,350,268**  
[13] A1

[51] **Int.Cl. 7G02B 6/10 7G02B 6/122 7G02B 6/22**  
[25] EN  
[54] **POLARISATION INDEPENDENT WAVEGUIDE STRUCTURE**  
[54] **STRUCTURE DE GUIDE D'ONDES INDEPENDANTE DE LA POLARISATION**  
[72] KOTELES, EMIL S., CA  
[72] HE, JIAN-JUN, CA  
[72] DAVIES, MICHAEL, CA  
[71] METROPHOTONICS INC., CA  
[22] 2001-06-12  
[43] 2001-12-16  
[30] US (60/211,961) 2000-06-16  
[30] US (09/669,765) 2000-09-26

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[21] **2,350,279**  
[13] A1

[51] **Int.Cl. 7H04L 7/027**  
[25] EN  
[54] **METHOD TO TRANSPORT A REFERENCE CLOCK SIGNAL**  
[54] **METHODE DE TRANSPORT D'UN SIGNAL D'HORLOGE DE REFERENCE**  
[72] DE GROOTE, JAN LIEVEN BERT, BE  
[72] PEETERS, MIGUEL, BE  
[71] ALCATEL, FR  
[22] 2001-06-12  
[43] 2001-12-16  
[30] FR (00401717.4) 2000-06-16

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**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,350,286**  
[13] A1

[51] **Int.Cl. 7B22D 18/06**  
[25] EN  
[54] **VACUUM DIE-CASTING METHOD FOR PRODUCING CASTING OF NONFERROUS ALLOYS**  
[54] **METHODE DE MOULAGE PAR COULEE SOUS VIDE POUR LA PRODUCTION DE PIECES MOULEES EN ALLIAGE NON FERREUX**  
[72] MORTARI, GRAZIANO, IT  
[71] IDRA PRESSE S.P.A., IT  
[22] 2001-06-12  
[43] 2001-12-20  
[30] IT (PD2000A000166) 2000-06-20

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[21] **2,350,289**  
[13] A1

[51] **Int.Cl. 7H01R 12/14**  
[25] EN  
[54] **PRINTED CIRCUIT BOARD CONNECTION**  
[54] **DISPOSITIF DE BRANCHEMENT D'UNE CARTE DE CIRCUIT IMPRIME**  
[72] GERDOM, KARL, DE  
[72] WEKING, GERD, DE  
[72] WALLENHORST, ULRICH, DE  
[72] SCHWAN, RAINER, DE  
[71] HARTING KGaA, DE  
[22] 2001-06-13  
[43] 2001-12-17  
[30] DE (100 29 925.3) 2000-06-17

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[21] **2,350,363**  
[13] A1

[51] **Int.Cl. 7B01D 53/70 7C25B 1/26**  
[25] EN  
[54] **PROCESS AND SYSTEM FOR DECOMPOSING POLLUTANTS**  
[54] **PROCEDE ET SYSTEME POUR DECOMPOSER DES POLLUANTS**  
[72] KATO, KINYA, JP  
[72] KAWAGUCHI, MASAHIRO, JP  
[72] KURIYAMA, AKIRA, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (181636/2000) 2000-06-16

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[21] **2,350,287**  
[13] A1

[51] **Int.Cl. 7B22D 18/06 7B22D 21/02**  
[25] EN  
[54] **HOLDING FURNACE PARTICULARLY FOR VACUUM DIE-CASTING APPARATUS**  
[54] **FOUR D'ATTENTE PARTICULIEREMENT ADAPTE POUR LES APPAREILS DE COULEE SOUS VIDE**  
[72] MORTARI, GRAZIANO, IT  
[71] IDRA PRESSE S.P.A., IT  
[22] 2001-06-12  
[43] 2001-12-20  
[30] IT (PD2000U000046) 2000-06-20

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[21] **2,350,311**  
[13] A1

[51] **Int.Cl. 7H01S 5/34**  
[25] EN  
[54] **SEMICONDUCTOR LASER DEVICE**  
[54] **DISPOSITIF DE LASER A SEMI-CONDUCTEUR**  
[72] TSUKIJI, NAOKI, JP  
[72] YOSHIDA, JUNJI, JP  
[71] THE FURUKAWA ELECTRIC CO., LTD., JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (2000-182167) 2000-06-16

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[21] **2,350,369**  
[13] A1

[51] **Int.Cl. 7H01B 3/30**  
[25] EN  
[54] **CASTING COMPOSITIONS FOR PRODUCING ELECTRICAL INSULATORS**  
[54] **COMPOSITIONS DE MOULAGE POUR LA PRODUCTION D'ISOLATEURS ELECTRIQUES**  
[72] KALTENBORN, UWE, CH  
[72] ROCKS, JENS, CH  
[71] ABB RESEARCH LTD., CH  
[22] 2001-06-13  
[43] 2001-12-20  
[30] EP (00810540.5) 2000-06-20

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[21] **2,350,288**  
[13] A1

[51] **Int.Cl. 7B22D 18/06**  
[25] EN  
[54] **INJECTOR PARTICULARLY FOR VACUUM DIE-CASTING APPARATUS**  
[54] **INJECTEUR PARTICULIEREMENT ADAPTE POUR LES APPAREILS DE COULEE SOUS VIDE**  
[72] MORTARI, GRAZIANO, IT  
[71] IDRA PRESSE S.P.A., IT  
[22] 2001-06-12  
[43] 2001-12-20  
[30] IT (PD2000A000167) 2000-06-20

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[21] **2,350,361**  
[13] A1

[51] **Int.Cl. 7E02F 3/36**  
[25] EN  
[54] **SUPPORT FRAME FOR FRONT ATTACHED IMPLEMENTS OF AN OPERATING MACHINE AND ASSOCIATED LOCATING PINS**  
[54] **CADRE DE SUPPORT POUR OUTILLAGE FIXE A L'AVANT D'UN APPAREIL DE MANOEUVRE ET ERGOTS DE GUIDAGE CONNEXES**  
[72] SHIRLEY, RALPH E., US  
[72] DEGEN, PETER, DE  
[72] FALLON, MARK, DE  
[71] DEERE & COMPANY, US  
[22] 2001-06-13  
[43] 2001-12-16  
[30] DE (100 28 997.5) 2000-06-16

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[21] **2,350,381**  
[13] A1

[51] **Int.Cl. 7B67D 5/60**  
[25] EN  
[54] **SYSTEM AND METHOD FOR FUEL TANKER OVERFLOW DIVERSION AND VAPOR SEPARATION**  
[54] **SYSTEME ET METHODE DE DERIVATION DE TROP-PLEIN DE RESERVOIR DE CARBURANT ET SEPARATION DE VAPEUR**  
[72] MACDONALD, WILLIAM DAVID, XX  
[71] MACDONALD, WILLIAM DAVID, US  
[22] 2001-06-14  
[43] 2001-12-16  
[30] US (09/595,292) 2000-06-16

Canadian Laid-Open Applications  
December 16, 2001 - December 22, 2001

[21] **2,350,386**  
[13] A1

[51] **Int.Cl. 7A01B 73/00**  
[25] EN  
[54] **AGRICULTURAL IMPLEMENT  
CONSTRUCTED FOR BEING  
NARROWED FOR TRANSPORT**  
[54] **INSTRUMENT ARATOIRE  
POUVANT ETRE RETRECI POUR LE  
TRANSPORT**  
[72] DEMESMAY, DAVID, FR  
[72] DELMAS, JEAN, FR  
[71] DEERE & COMPANY, US  
[22] 2001-06-13  
[43] 2001-12-20  
[30] DE (100 30 255.6) 2000-06-20

[21] **2,350,392**  
[13] A1

[51] **Int.Cl. 7B41J 2/07**  
[25] EN  
[54] **INK JET RECORDING  
APPARATUS UTILIZING SOLID  
SEMICONDUCTOR ELEMENT**  
[54] **APPAREIL D'ENREGISTREMENT  
A JET D'ENCRE FONCTIONNANT  
AVEC UN ELEMENT A SEMI-  
CONDUCTEUR**  
[72] ISHINAGA, HIROYUKI, JP  
[72] SAITO, ICHIRO, JP  
[72] KUBOTA, MASAHIKO, JP  
[72] IMANAKA, YOSHIYUKI, JP  
[72] INOUE, RYOJI, JP  
[72] MOCHIZUKI, MUGA, JP  
[72] YAMAGUCHI, TAKAAKI, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (181638/2000) 2000-06-16  
[30] JP (181833/2000) 2000-06-16  
[30] JP (181838/2000) 2000-06-16

[21] **2,350,397**  
[13] A1

[51] **Int.Cl. 7G01N 27/00 7G01N 15/06  
7B41J 2/175 7B41J 2/195 7G08C 19/36**  
[25] EN  
[54] **SOLID SEMICONDUCTOR  
ELEMENT, INK TANK, INK JET  
RECORDING APPARATUS PROVIDED  
WITH INK TANK, LIQUID  
INFORMATION ACQUIRING METHOD  
AND LIQUID PHYSICAL PROPERTY  
CHANGE DISCRIMINATING METHOD**  
[54] **ELEMENT A SEMI-  
CONDUCTEUR, RESERVOIR  
D'ENCRE, APPAREIL  
D'ENREGISTREMENT A JET D'ENCRE  
COMPORTANT UN RESERVOIR  
D'ENCRE, METHODE D'ACQUISITION  
DE DONNEES SUR UN LIQUIDE ET  
METHODE D'ANALYSE DES  
CHANGEMENTS DE PROPRIETES  
PHYSIQUES D'UN LIQUIDE**  
[72] INOUE, RYOJI, JP  
[72] NISHIDA, MAKI, JP  
[72] SAITO, ICHIRO, JP  
[72] ISHINAGA, HIROYUKI, JP  
[72] IMANAKA, YOSHIYUKI, JP  
[72] KUBOTA, MASAHIKO, JP  
[72] YAMAGUCHI, TAKAAKI, JP  
[72] SUGAMA, SADAYUKI, JP  
[72] MOCHIZUKI, MUGA, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (181834/2000) 2000-06-16  
[30] JP (181638/2000) 2000-06-16  
[30] JP (181839/2000) 2000-06-16  
[30] JP (308043/2000) 2000-10-06

[21] **2,350,402**  
[13] A1

[51] **Int.Cl. 7B41J 2/175 7H01L 25/00**  
[25] EN  
[54] **INK TANK AND INK JET  
RECORDING APPARATUS PROVIDED  
WITH THE SAME**  
[54] **RESERVOIR D'ENCRE ET  
APPAREIL D'ENREGISTREMENT A  
JET D'ENCRE COMPORTANT CE  
RESERVOIR**  
[72] YAMAGUCHI, TAKAAKI, JP  
[72] INOUE, RYOJI, JP  
[72] KUBOTA, MASAHIKO, JP  
[72] MOCHIZUKI, MUGA, JP  
[72] ISHINAGA, HIROYUKI, JP  
[72] SAITO, ICHIRO, JP  
[72] IMANAKA, YOSHIYUKI, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (181637/2000) 2000-06-16  
[30] JP (181638/2000) 2000-06-16  
[30] JP (181836/2000) 2000-06-16

[21] **2,350,411**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **CCM CALCULATING SYSTEM,  
CCM CALCULATING METHOD AND  
RECORDING MEDIUM**  
[54] **SYSTEME DE CALCUL CCM,  
METHODE DE CALCUL CCM ET  
SUPPORT D'ENREGISTREMENT**  
[72] KOBAYASHI, OSAMU, JP  
[72] SAITO, FUMIYOSHI, JP  
[72] SANO, KAZUO, JP  
[71] DAINICHISEIKA COLOR &  
CHEMICALS MFG. CO., LTD., JP  
[22] 2001-06-13  
[43] 2001-12-16  
[30] JP (P2000-182032) 2000-06-16

[21] **2,350,435**  
[13] A1

[51] **Int.Cl. 7H02G 9/00 7H02G 7/00**  
[25] EN  
[54] **EFFICIENT BATTERY TRANSFER  
CIRCUIT**  
[54] **CIRCUIT DE TRANSFERT A LA  
BATTERIE EFFICACE**  
[72] BURTON, SCOTT RICHARD, CA  
[72] LUCAS, CHRISTOPHER GRAHAM,  
CA  
[71] MITEL KNOWLEDGE  
CORPORATION, CA  
[22] 2001-06-13  
[43] 2001-12-22  
[30] GB (0015152.2) 2000-06-22

**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,350,464**  
[13] A1

[51] **Int.Cl. 7G07F 19/00 7G06F 17/60**  
[25] EN  
[54] **DATA SALE IMMEDIATE  
SETTLING METHOD AND PREPAID  
CARD**  
[54] **METHODE DE REGLEMENT  
IMMEDIAT DES VENTES ET CARTE  
DE PREPAIEMENT**  
[72] SHICHI, SHUJI, JP  
[71] NEC CORPORATION, JP  
[22] 2001-06-13  
[43] 2001-12-21  
[30] JP (2000-186433) 2000-06-21

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[21] **2,350,547**  
[13] A1

[51] **Int.Cl. 7B65D 33/06**  
[25] EN  
[54] **STACK COMPRISING A  
PLURALITY OF ELONGATED BAGS  
OF PLASTIC FILM THAT ARE JOINED  
TO EACH OTHER, IN PARTICULAR  
SUCH BAGS INTENDED FOR  
NEWSPAPERS, AND A METHOD AND  
MACHINERY FOR MANUFACTURING  
THESE**  
[54] **PILE COMPRENANT UNE  
PLURALITE DE SACS ALLONGES DE  
PELLICULE PLASTIQUE RELIES L'UN  
A L'AUTRE, EN PARTICULIER LES  
SACS CONVENANT AUX JOURNAUX,  
ET METHODE ET MACHINERIE  
SERVANT A LEUR FABRICATION**  
[72] SCHNEIDER, JAKOB, DE  
[72] BREINIG, WERNER, DE  
[72] MEYER, ARMIN, DE  
[71] LEMO MASCHINENBAU GMBH, DE  
[22] 2001-06-14  
[43] 2001-12-16  
[30] DE (100 28 954.1) 2000-06-16

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[21] **2,350,611**  
[13] A1

[51] **Int.Cl. 7E21B 17/22**  
[25] EN  
[54] **TAPERED CONNECTOR FOR A  
TUBING STRING**  
[54] **CONNECTEUR TRONCONIQUE  
POUR COLONNE DE PRODUCTION**  
[72] ROSINE, RANDY S., US  
[72] MARTIN, JOHN R., US  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[22] 2001-06-14  
[43] 2001-12-22  
[30] US (09/599,337) 2000-06-22

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[21] **2,350,670**  
[13] A1

[51] **Int.Cl. 7G10K 11/16**  
[25] EN  
[54] **ACOUSTIC MEDIA**  
[54] **SUPPORT ACOUSTIQUE**  
[72] GELIN, LAWRENCE J., US  
[72] FAY, RALPH MICHAEL, US  
[71] JOHNS MANVILLE  
INTERNATIONAL, INC., US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,484) 2000-06-16

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[21] **2,350,677**  
[13] A1

[51] **Int.Cl. 7B60R 25/00**  
[25] EN  
[54] **USER ALERTING METHOD AND  
APPARATUS FOR USE WITH  
SECURITY SYSTEMS**  
[54] **METHODE ET APPAREIL  
D'AVERTISSEMENT DE  
L'UTILISATEUR A UTILISER AVEC  
DES SYSTEMES DE SECURITE**  
[72] STEPHAN, MATTHEW C., US  
[72] TEMPLETON, ERIC A., US  
[72] PATEL, DILIP, US  
[72] KELLER, ROBERT R., JR., US  
[71] THE CHAMBERLAIN GROUP, INC.,  
US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,801) 2000-06-16

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[21] **2,350,678**  
[13] A1

[51] **Int.Cl. 7H04B 7/185 7H04L 12/56**  
[25] EN  
[54] **BEAM HOPPING SELF  
ADDRESSED PACKET SWITCHED  
COMMUNICATION SYSTEM WITH  
MULTIPLE BEAM ARRAY ANTENNA**  
[54] **SYSTEME DE TRANSMISSION  
PAR PAQUETS AUTOADRESSES A  
COMMUTATION DE FAISCEAU ET  
ANTENNE RESEAU MULTI-  
FAISCEAUX**  
[72] LINSKY, STUART T., US  
[72] BERGER, HARVEY L., US  
[72] WHITE, ROBERT W., US  
[72] NIVENS, DENNIS A., US  
[72] TRAMM, FRED C., US  
[72] HARMON, GARRICK J., US  
[71] TRW INC., US  
[22] 2001-06-15  
[43] 2001-12-21  
[30] US (09/599,150) 2000-06-21

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[21] **2,350,695**  
[13] A1

[51] **Int.Cl. 7D21F 7/08**  
[25] EN  
[54] **PAPERMAKING FELT**  
[54] **FEBRE POUR FABRICATION DE  
PAPIER**  
[72] WATANABE, KAZUMASA, JP  
[71] Ichikawa Co., Ltd., JP  
[22] 2001-06-14  
[43] 2001-12-19  
[30] JP (183827/2000) 2000-06-19

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[21] **2,350,697**  
[13] A1

[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  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-14  
[43] 2001-12-16  
[30] JP (181831/2000) 2000-06-16

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[21] **2,350,702**  
[13] A1

[51] **Int.Cl. 7H01M 10/00 7H01M 10/26**  
**7H01M 10/40**  
[25] EN  
[54] **POLYMER BATTERY AND  
METHOD OF MANUFACTURE**  
[54] **BATTERIE A POLYMER ET  
METHODE DE FABRICATION  
CONNEXE**  
[72] SATO, TAKAYA, JP  
[72] HATA, KIMIYO, JP  
[72] MARUO, TATSUYA, JP  
[71] NISSHINBO INDUSTRIES, INC., JP  
[22] 2001-06-14  
[43] 2001-12-16  
[30] JP (2000-181708) 2000-06-16  
[30] JP (2000-332226) 2000-10-31  
[30] JP (2001-123374) 2001-04-20



**Canadian Laid-Open Applications  
December 16, 2001 - December 22, 2001**

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[21] **2,350,713**  
[13] A1

[51] **Int.Cl. 7A61K 31/375 7A61P 11/06  
7A61P 27/06 7A61K 31/198 7A61K 31/355  
7A61K 31/455 7A61K 31/59 7A61K 31/714**  
[25] EN  
[54] **USE OF BIOCHEMICAL  
SUBSTANCES FOR A COMPOSITION  
FOR THE PREVENTION AND  
TREATMENT OF HEALTH  
CONDITIONS CAUSED BY  
CONSTRICTION OF SMOOTH  
MUSCLE CELLS IN ORGANS OF THE  
HUMAN BODY**  
[54] **UTILISATION DE SUBSTANCES  
BIOCHIMIQUES POUR OBTENIR UNE  
COMPOSITION POUR LA  
PREVENTION ET LE TRAITEMENT DE  
CONDITIONS PHYSIQUES CAUSEES  
PAR LA CONSTRICTION DE  
CELLULES MUSCULAIRES LISSES  
DANS LES ORGANES DU CORPS  
HUMAIN**  
[72] RATH, MATTHIAS, NL  
[71] RATH, MATTHIAS, NL  
[22] 2001-06-15  
[43] 2001-12-16  
[30] DE (00112811.5) 2000-06-16

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[21] **2,350,716**  
[13] A1

[51] **Int.Cl. 7H01R 4/24**  
[25] EN  
[54] **MULTIWIRE INSULATION  
DISPLACEMENT CONTACT AND A  
METHOD OF MAKING MULTIWIRE  
CONNECTIONS**  
[54] **CONTACT AUTODENUDANT A  
PLUSIEURS FILS ET METHODE DE  
FABRICATION DE CONNEXIONS A  
PLUSIEURS FILS**  
[72] CHUNG LONG SHAN, LAVAL, AU  
[71] KRONE GMBH, DE  
[22] 2001-06-15  
[43] 2001-12-16  
[30] AU (PQ8199/00) 2000-06-16

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[21] **2,350,718**  
[13] A1

[51] **Int.Cl. 7G01M 11/00 7G01R 31/28**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
OPTO-ELECTRONIC BUILT-IN TEST**  
[54] **METHODE ET APPAREIL POUR  
ESSAI INTEGRE OPTO-  
ELECTRONIQUE**  
[72] PLANT, DAVID, CA  
[72] LAPRISE, EMMANUELLE, CA  
[71] MCGILL UNIVERSITY, CA  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (60/211,963) 2000-06-16  
[30] US (60/253,130) 2000-11-28

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[21] **2,350,726**  
[13] A1

[51] **Int.Cl. 7C22B 3/10 7C22B 26/22  
7C01F 5/30**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR  
TREATING FOUNDRY SLUDGE TO  
RECOVER MAGNESIUM**  
[54] **METHODE ET APPAREIL DE  
TRAITEMENT DE BOUES DE  
FONDERIE POUR LA RECUPERATION  
DU MAGNESIUM**  
[72] MONETTE, SERGE, CA  
[72] GUIMONT, JEAN, CA  
[72] PINARD, DENYS, CA  
[72] WHITE, CARL W., CA  
[71] NORANDA INC., CA  
[22] 2001-06-14  
[43] 2001-12-16  
[30] US (09/594,490) 2000-06-16

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[21] **2,350,728**  
[13] A1

[51] **Int.Cl. 7C07D 211/14 7C08F 126/06  
7C07C 29/10 7C07D 211/18 7C07C 31/20  
7C07C 67/26 7C07C 69/54**  
[25] EN  
[54] **CROSSLINKED POLMER,  
METHOD FOR MANUFACTURING IT  
AND USE THEREOF**  
[54] **POLYMERE RETICULE,  
METHODE DE PRODUCTION ET  
UTILISATION DUDIT POLYMERE**  
[72] YAMAMOTO, HIROSHI, JP  
[72] HIRANO, YOSHIKI, JP  
[72] SUGIYAMA, YUTAKA, JP  
[72] TAKEMATSU, KENICHI, JP  
[72] MORITA, TAKEHIKO, JP  
[72] KUBO, TAKAFUMI, JP  
[71] NIPPON SHOKUBAI CO., LTD., JP  
[22] 2001-06-15  
[43] 2001-12-16  
[30] JP (2000-181265) 2000-06-16  
[30] JP (2000-231370) 2000-07-26

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[21] **2,350,731**  
[13] A1

[51] **Int.Cl. 7B21D 31/00**  
[25] EN  
[54] **MOLD CLAMPING APPARATUS  
AND MOLD CLAMPING METHOD**  
[54] **APPAREIL ET METHODE DE  
VERROUILLAGE DE MOULES**  
[72] ISHIBASHI, HIROO, JP  
[72] KAWANO, KAZUYUKI, JP  
[72] SATO, KOUICHI, JP  
[72] HIROSHIGE, ITSURO, JP  
[72] HONDA, OSAMU, JP  
[72] MANO, KYOICHI, JP  
[72] HAENO, TSUTOMU, JP  
[72] KADOMA, YOSHIKI, JP  
[72] HIRAMATSU, KOICHI, JP  
[71] NIPPON STEEL CORPORATION, JP  
[71] TOYOTA JIDOSHA KABUSHIKI  
KAISHA, JP  
[22] 2001-06-15  
[43] 2001-12-16  
[30] JP (2000-181314) 2000-06-16  
[30] JP (2001-092764) 2001-03-28  
[30] JP (2001-156393) 2001-05-25  
[30] JP (2001-156394) 2001-05-25

**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,350,763**  
[13] A1

[51] **Int.Cl. 7A61F 13/496**  
[25] EN  
[54] **SANITARY PANTY**  
[54] **CULOTTE PERIODIQUE**  
[72] SUGA, AYAMI, JP  
[72] WADA, MITSUHIRO, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-14  
[43] 2001-12-19  
[30] JP (2000-182927) 2000-06-19

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[21] **2,350,766**  
[13] A1

[51] **Int.Cl. 7G06F 19/00 7G06F 17/60**  
[25] EN  
[54] **PATIENT HEALTHCARE SYSTEM**  
[54] **SYSTEME DE SOINS DE SANTE**  
**POUR PATIENTS**  
[72] STEINMETZ, MICHAEL ALAN, US  
[72] SHAMSIAN, BAHRAM, US  
[72] BABAMOTO, KENNETH SUSUMU, US  
[71] PFIZER PRODUCTS INC., US  
[22] 2001-06-14  
[43] 2001-12-16  
[30] US (09/595,088) 2000-06-16

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[21] **2,350,772**  
[13] A1

[51] **Int.Cl. 7H01S 5/34 7H01S 5/183**  
[25] EN  
[54] **SEMICONDUCTOR LASERS WITH**  
**VARIED QUANTUM WELL**  
**THICKNESS**  
[54] **LASERS A SEMICONDUCTEURS**  
**DOTES DE PUISS QUANTIQUES**  
**D'ÉPAISSEUR VARIABLE**  
[72] MARCKS VON WURTEMBERG,  
RICKARD, SE  
[71] MITEL SEMICONDUCTOR AB, SE  
[22] 2001-06-14  
[43] 2001-12-20  
[30] GB (0014933.6) 2000-06-20

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[21] **2,350,773**  
[13] A1

[51] **Int.Cl. 7F27D 7/06 7F27D 9/00**  
[25] EN  
[54] **COOLING GAS INJECTION**  
**NOZZLE FOR A VACUUM HEAT**  
**TREATING FURNACE**  
[54] **BUSE D'INJECTION DE GAZ DE**  
**REFROIDISSEMENT POUR APPAREIL**  
**DE CHAUFFAGE DE TRAITEMENT**  
**THERMIQUE A VIDE**  
[72] MOLLER, CRAIG A., US  
[71] IPSEN INTERNATIONAL, INC., US  
[22] 2001-06-14  
[43] 2001-12-20  
[30] US (09/597,496) 2000-06-20

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[21] **2,350,819**  
[13] A1

[51] **Int.Cl. 7B60G 7/00 7B60G 9/04**  
**7B60G 11/27**  
[25] EN  
[54] **SUSPENSION**  
[54] **SUSPENSION**  
[72] SVARTZ, BJORN O., US  
[72] WHITE, DARRIS L., US  
[71] VOLVO TRUCKS NORTH AMERICA,  
INC., US  
[22] 2001-06-14  
[43] 2001-12-16  
[30] US (60/212,031) 2000-06-16

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[21] **2,350,840**  
[13] A1

[51] **Int.Cl. 7F02F 11/00**  
[25] EN  
[54] **GASKET TAB RETAINER**  
[54] **DISPOSITIF DE RETENUE**  
**D'ATTACHE DE JOINT**  
**D'ÉTANCHEITE**  
[72] BELTER, JEROME G., US  
[71] DANA CORPORATION, US  
[22] 2001-06-15  
[43] 2001-12-19  
[30] US (60/212,453) 2000-06-19  
[30] US (09/827,797) 2001-04-06

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[21] **2,350,848**  
[13] A1

[51] **Int.Cl. 7H04L 12/12**  
[25] FR  
[54] **SYSTEME D'ACCES A UN**  
**EQUIPEMENT D'AUTOMATISME VIA**  
**UN RESEAU DE PROXIMITE SANS FIL**  
[54] **SYSTEM FOR ACCESSING**  
**AUTOMATIC CONTROL EQUIPMENT**  
**VIA A NEARBY WIRELESS NETWORK**  
[72] VINCENT, CHRISTOPHE, FR  
[72] ROUSSEAU, ROBERT, FR  
[72] STAWIKOWSKI, JEAN-MARIE, FR  
[72] HARDY, CHRISTIAN, FR  
[71] SCHNEIDER AUTOMATION, FR  
[22] 2001-06-15  
[43] 2001-12-16  
[30] FR (00 07 760) 2000-06-16

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[21] **2,350,855**  
[13] A1

[51] **Int.Cl. 7A61F 13/49 7A61F 13/47**  
[25] EN  
[54] **ABSORBENT ARTICLE**  
[54] **ARTICLE ABSORBANT**  
[72] SUEKANE, MAKOTO, JP  
[72] MIZUTANI, SATOSHI, JP  
[72] NOGUCHI, JUNICHI, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-15  
[43] 2001-12-19  
[30] JP (2000-182858) 2000-06-19

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[21] **2,350,857**  
[13] A1

[51] **Int.Cl. 7A61K 31/437 7A61P 1/04**  
**7A61K 38/05 7A61P 1/10 7A61K 31/438**  
**7A61K 31/4985 7A61K 31/55**  
[25] EN  
[54] **THE USE OF GROWTH HORMONE**  
**SECRETAGOGUES TO TREAT**  
**SYSTEMIC LUPUS ERYTHEMATOSUS**  
**AND INFLAMMATORY BOWEL**  
**DISEASE**  
[54] **UTILISATION DE**  
**SECRETAGOGUES DE L'HORMONE**  
**DE CROISSANCE POUR TRAITER LE**  
**LUPUS ERYTHEMATEUX DISSEMINÉ**  
**ET LA MALADIE INTESTINALE**  
**INFLAMMATOIRE**  
[72] PAN, LYDIA CODETTA, US  
[72] LEFKER, BRUCE ALLEN, US  
[72] BUSCH, FRANK ROBERT, US  
[71] PFIZER PRODUCTS INC., US  
[22] 2001-06-15  
[43] 2001-12-19  
[30] US (60/212,521) 2000-06-19

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**December 16, 2001 - December 22, 2001**

[21] **2,350,860**  
[13] A1

[51] **Int.Cl. 7G01N 1/10 7G01N 27/00 7G01N 33/48**  
[25] EN  
[54] **BIOSENSOR**  
[54] **BIOCAPTEUR**  
[72] WALLING, DOUGLAS PAUL, US  
[72] BHULLAR, RAGHBIR SINGH, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2001-06-15  
[43] 2001-12-19  
[30] US (09/596,846) 2000-06-19

[21] **2,350,862**  
[13] A1

[51] **Int.Cl. 7E04B 9/06**  
[25] EN  
[54] **SUSPENSION SYSTEM FOR FALSE CEILING PANELS**  
[54] **SYSTEME DE SUSPENSION POUR PANNEAUX DE FAUX-PLAFOND**  
[72] BERTELLA, BERNARDINO, IT  
[71] SADI S.P.A., IT  
[22] 2001-06-18  
[43] 2001-12-20  
[30] IT (MI2000A 001388) 2000-06-20

[21] **2,350,863**  
[13] A1

[51] **Int.Cl. 7G02B 6/122 7G02B 6/134**  
[25] EN  
[54] **WAVEGUIDE STRUCTURE HAVING ENHANCED COUPLING WITH OPTICAL FIBRES**  
[54] **STRUCTURE DE GUIDE D'ONDES A CAPACITE AMELIOREE DE COUPLAGE AVEC LES FIBRES OPTIQUES**  
[72] DAVIES, MICHAEL, CA  
[72] HE, JIAN-JUN, CA  
[72] KOTELES, EMIL S., CA  
[71] METROPHOTONICS INC., CA  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (60/211,980) 2000-06-16  
[30] US (60/211,962) 2000-06-16

[21] **2,350,865**  
[13] A1

[51] **Int.Cl. 7C07D 307/33**  
[25] EN  
[54] **PROCESS AND CATALYST FOR THE PRODUCTION OF .GAMMA.-BUTYROLACTONES**  
[54] **PROCEDE ET CATALYSEUR POUR LA PRODUCTION DE .GAMMA.-BUTYROLACTONES**  
[72] SCHIODT, NIELS CHRISTIAN, DK  
[71] HALDOR TOPSOE A/S, DK  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (60/212,644) 2000-06-19

[21] **2,350,866**  
[13] A1

[51] **Int.Cl. 7A21B 2/00 7A23L 1/325**  
[25] FR  
[54] **CUISSON COMBINEE EN CONTINU MICROONDES VAPEUR**  
[54] **CONTINUOUS COMBINED MICROWAVE AND STEAM COOKING**  
[72] VEDRENNE, LAURENT, FR  
[71] NEPTUNE S.A., FR  
[22] 2001-06-15  
[43] 2001-12-16  
[30] FR (00/07746) 2000-06-16

[21] **2,350,869**  
[13] A1

[51] **Int.Cl. 7B65B 49/08**  
[25] EN  
[54] **MANUAL COIN WRAPPER CRIMPER**  
[54] **PLIEUR MANUEL D'EXTREMITE DE ROULEAUX A PIECES DE MONNAIE**  
[72] STRING, GREGORY F., US  
[71] N. F. STRING & SON, INC., US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,869) 2000-06-16

[21] **2,350,870**  
[13] A1

[51] **Int.Cl. 7A61F 13/47 7A61F 13/49**  
[25] EN  
[54] **ABSORBENT ARTICLE**  
[54] **ARTICLE ABSORBANT**  
[72] TAMURA, TATSUYA, JP  
[72] MIZUTANI, SATOSHI, JP  
[72] OTA, AKIKO, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-18  
[43] 2001-12-19  
[30] JP (2000-182876) 2000-06-19

[21] **2,350,873**  
[13] A1

[51] **Int.Cl. 7C08G 18/32 7C08G 18/22 7C08G 18/76**  
[25] EN  
[54] **USE OF REACTIVE AMINES FOR THE PREPARATION OF POLYURETHANE FOAMS**  
[54] **UTILISATION D'AMINES REACTIVES POUR LA PREPARATION DE MOUSSES DE POLYURETHANE**  
[72] EYRISCH, OLIVER, DE  
[72] HOFFMANN, RALF, DE  
[72] SCHLONS, HANS-HEINRICH, DE  
[71] GOLDSCHMIDT AG, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (100 30 260.2) 2000-06-20

[21] **2,350,874**  
[13] A1

[51] **Int.Cl. 7A61F 13/551**  
[25] EN  
[54] **PACKAGE FOR ABSORBENT ARTICLE**  
[54] **EMBALLAGE POUR ARTICLE ABSORBANT**  
[72] NOGUCHI, JUNICHI, JP  
[72] MIZUTANI, SATOSHI, JP  
[72] SUEKANE, MAKOTO, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-15  
[43] 2001-12-19  
[30] JP (2000-182864) 2000-06-19

[21] **2,350,877**  
[13] A1

[51] **Int.Cl. 7G01P 3/40 7B41J 29/00 7G05G 15/06 7G01D 5/347**  
[25] EN  
[54] **TIMING RULER OR TIMING DISK**  
[54] **REGLE OU DISQUE DE SYNCHRONISATION**  
[72] BRAUN, PAUL-WILHELM, DE  
[71] PWB-RUHLATEC INDUSTRIEPRODUKTE GMBH, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (10029380.8) 2000-06-20

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[21] **2,350,886**  
[13] A1

[51] **Int.Cl. 7H01H 9/22**  
[25] EN  
[54] **COVER FOR VEHICLE CONTROL SWITCH**  
[54] **COUVERCLE POUR INTERRUPTEUR MONTE SUR VEHICULE**  
[72] BREMNER, RONALD DEAN, US  
[72] DYBRO, NIELS, US  
[71] DEERE & COMPANY, US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (60/211,982) 2000-06-16

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[21] **2,350,889**  
[13] A1

[51] **Int.Cl. 7E05B 73/02**  
[25] EN  
[54] **COMMODATY ANTITHEFT IMPLEMENT**  
[54] **DISPOSITIF ANTIVOL DE MARCHANDISES**  
[72] MITSUYAMA, MASUHIRO, JP  
[71] NISSHIN CO., LTD., JP  
[22] 2001-06-18  
[43] 2001-12-19  
[30] JP (2000-223096) 2000-06-19  
[30] JP (2000-382969) 2000-11-10  
[30] JP (2001-142438) 2001-04-04

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[21] **2,350,891**  
[13] A1

[51] **Int.Cl. 7H01M 4/26**  
[25] EN  
[54] **ANODE FOR LITHIUM-ION BATTERY**  
[54] **ANODE POUR PILE AU LITHIUM**  
[72] GREINKE, RONALD ALFRED, US  
[72] KRASSOWSKI, DANIEL WITOLD, US  
[72] PHILLIPS, NEAL DAVID, US  
[71] GRAFTECH INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/597,072) 2000-06-20

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[21] **2,350,893**  
[13] A1

[51] **Int.Cl. 7B60G 9/02**  
[25] EN  
[54] **TRAILER SUSPENSION**  
[54] **SUSPENSION POUR REMORQUE**  
[72] POWER, MICHAEL ANDREW, US  
[72] SITTER, DON H., US  
[71] DANA CORPORATION, US  
[22] 2001-06-15  
[43] 2001-12-19  
[30] US (09/596,413) 2000-06-19

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[21] **2,350,895**  
[13] A1

[51] **Int.Cl. 7B41N 1/00**  
[25] EN  
[54] **LITHOGRAPHIC PLATE MATERIAL**  
[54] **MATERIAU DE PLAQUE LITHOGRAPHIQUE**  
[72] SATO, HIRONORI, JP  
[72] NOUDA, JUNICHI, JP  
[72] KATSUOKA, TOSHIMICHI, JP  
[71] KIMOTO CO., LTD., JP  
[22] 2001-06-18  
[43] 2001-12-19  
[30] JP (2000-182898) 2000-06-19

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[21] **2,350,901**  
[13] A1

[51] **Int.Cl. 7H04M 17/00 7H04M 15/02**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING PRE-PAY AND POST-PAY COMMUNICATION SERVICES USING A SWITCHING SYSTEM TO MONITOR CALL DURATION**  
[54] **METHODE ET APPAREIL PERMETTANT D'ASSURER DES SERVICES DE COMMUNICATION A PRE-PAIEMENT ET A POST-PAIEMENT A L'AIDE D'UN SYSTEME DE COMMUTATION CONTROLANT LA DUREE DES APPELS**  
[72] KHUC, MINH DUY, US  
[72] SBISA, DAN, US  
[72] ROGERS, CARL, US  
[72] ALLEN, ISAAC SHANE, US  
[72] ABBASI, ZAHID, US  
[71] SPRINT COMMUNICATIONS COMPANY, L.P., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/596,950) 2000-06-19

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[21] **2,350,904**  
[13] A1

[51] **Int.Cl. 7H04B 7/185 7H04B 7/005**  
[25] EN  
[54] **MULTIPLE SATELLITE BEAM LAYDOWN WITH SWITCHABLE BANDS FOR HOPPED SATELLITE DOWNLINK**  
[54] **CONFIGURATION DE FAISCEAUX MULTIPLES DE SATELLITE A BANDES COMMUTABLES POUR LIAISONS DESCENDANTES PAR SAUTS**  
[72] BERGER, HARVEY L., US  
[72] LINSKY, STUART T., US  
[72] WHITE, ROBERT W., US  
[72] TRAMM, FRED C., US  
[72] HARMON, GARRICK J., US  
[72] NIVENS, DENNIS A., US  
[71] TRW INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/599,039) 2000-06-21

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[21] **2,350,908**  
[13] A1

[51] **Int.Cl. 7H04B 7/185 7H04B 7/005**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CONTROLLING A TRANSMISSION POWER THRESHOLD OF A SATELLITE COMMUNICATION SYSTEM**  
[54] **METHODE ET APPAREIL DE COMMANDE D'UN SEUIL DE PUISSANCE D'EMISSION D'UN SYSTEME DE TELECOMMUNICATION PAR SATELLITE**  
[72] CARROZZA, DOMINIC P., US  
[72] NIVENS, DENNIS A., US  
[72] MUNOZ, MICHAEL S., US  
[72] JUE, REGINALD, US  
[72] WRIGHT, DAVID A., US  
[71] TRW INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/596,811) 2000-06-19

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[21] **2,350,912**  
[13] A1  
[51] **Int.Cl. 7H04B 7/185 7H04B 7/005**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONTROLLING UPLINK POWER IN A SATELLITE COMMUNICATION SYSTEM USING POWER LEVELING**  
[54] **METHODE ET SYSTEME DE COMMANDE DE LA PUISSANCE DE LA LIAISON MONTANTE D'UN SYSTEME DE COMMUNICATION PAR SATELLITE FAISANT APPEL AU REGLAGE AUTOMATIQUE DE LA PUISSANCE**  
[72] WRIGHT, DAVID A., US  
[72] NIVENS, DENNIS A., US  
[72] CARROZZA, DOMINIC P., US  
[72] JUE, REGINALD, US  
[71] TRW INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/596,671) 2000-06-19

[21] **2,350,923**  
[13] A1  
[51] **Int.Cl. 7E05D 15/22 7E05C 19/00**  
[25] EN  
[54] **SECURITY LATCH OR LOCK FOR TILT WINDOW**  
[54] **TAQUET OU VERROU DE SECURITE POUR FENETRE BASCULANTE**  
[72] FISCHER, RICHARD M., US  
[72] PETERSON, JAMES LEE, US  
[72] HANSEL, THOMAS J., US  
[72] KING, ARTHUR R., IV, US  
[71] ANDERSEN CORPORATION, US  
[22] 2001-06-18  
[43] 2001-12-16  
[30] US (09/595,803) 2000-06-16

[21] **2,350,935**  
[13] A1  
[51] **Int.Cl. 7H01R 11/18 7H01R 4/04 7A61N 1/362**  
[25] EN  
[54] **ELECTRICAL CONNECTOR FOR CARDIAC DEVICES**  
[54] **CONNECTEUR ELECTRIQUE POUR DISPOSITIFS CARDIAQUES**  
[72] MAURER, ROBERT E., US  
[72] ILORI, ALEX B., US  
[72] SHCHERVINSKY, SEMYON, US  
[72] SAFERSTEIN, LOWELL, US  
[71] ETHICON, INC., US  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (09/599,197) 2000-06-22

[21] **2,350,942**  
[13] A1  
[51] **Int.Cl. 7A23L 1/305 7A23J 3/08 7A23L 2/66**  
[25] EN  
[54] **IRON-CONTAINING PROTEIN COMPOSITION**  
[54] **COMPOSITION DE PROTEINES CONTENANT DU FER**  
[72] SATO, KAORU, JP  
[72] KAWAMA, TOSHIHIRO, JP  
[72] IKENAGA, AKIHITO, JP  
[71] SNOW BRAND MILK PRODUCTS CO., LTD., JP  
[22] 2001-06-19  
[43] 2001-12-20  
[30] JP (2000-184731) 2000-06-20

[21] **2,350,944**  
[13] A1  
[51] **Int.Cl. 7B01F 5/00**  
[25] EN  
[54] **MIXER FOR MIXING GASES AND OTHER NEWTONIAN LIQUIDS**  
[54] **MELANGEUR POUR GAZ ET AUTRES LIQUIDES NEWTONIENS**  
[72] RUSCHEWEYH, HANS, DE  
[72] KAATZ, MICHAEL, DE  
[71] BALCKE-DURR ENERGIE-TECHNIK GMBH, DE  
[22] 2001-06-18  
[43] 2001-12-19  
[30] EP (00 112 874.3) 2000-06-19

[21] **2,350,947**  
[13] A1  
[51] **Int.Cl. 7G01N 1/38**  
[25] EN  
[54] **FILTER BAG**  
[54] **SAC FILTRE**  
[72] SHIRAIWA, KAZUO, JP  
[72] SUGIYAMA, NOBUYUKI, JP  
[71] IBIO LIMITED, JP  
[22] 2001-06-18  
[43] 2001-12-19  
[30] JP (2000-183365) 2000-06-19  
[30] JP (2000-201205) 2000-07-03

[21] **2,350,961**  
[13] A1  
[51] **Int.Cl. 7B01F 5/00**  
[25] EN  
[54] **MIXER FOR MIXING AT LEAST TWO FLOWS OF GAS OR OTHER NEWTONIAN LIQUIDS**  
[54] **MELANGEUR POUR MELANGER AU MOINS DEUX FLUX DE GAZ OU D'AUTRES LIQUIDES NEWTONIENS**  
[72] PODHORSKY, MIROSLAV, DE  
[72] RUSCHEWEYH, HANS, DE  
[72] KAATZ, MICHAEL, DE  
[71] BALCKE-DURR ENERGIE-TECHNIK GMBH, DE  
[22] 2001-06-18  
[43] 2001-12-19  
[30] EP (00 112 875.0) 2000-06-19

[21] **2,350,963**  
[13] A1  
[51] **Int.Cl. 7H01J 7/00 7H01J 61/33**  
[25] EN  
[54] **METHOD OF IMPROVING THE PERFORMANCE OF HORIZONTAL BURNING HID LAMPS**  
[54] **METHODE POUR AMELIORER LE RENDEMENT DE LAMPES A DECHARGE A HAUTE INTENSITE A COMBUSTION HORIZONTALE**  
[72] GU, BINGWU, US  
[72] SULCS, JURIS, US  
[72] LAMOURI, ABBAS, US  
[71] ADVANCED LIGHTING TECHNOLOGIES, INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/597,548) 2000-06-19

[21] **2,350,966**  
[13] A1  
[51] **Int.Cl. 7A01N 63/02**  
[25] EN  
[54] **METHOD OF CONTROLLING SEED DISEASE**  
[54] **METHODE POUR COMBATTRE UNE MALADIE DES SEMENCES**  
[72] SHIGETA, KATSUMI, JP  
[72] MINATO, KANJI, JP  
[71] T.S. PLANT SCIENCE INSTITUTE CO., LTD., JP  
[22] 2001-06-18  
[43] 2001-12-22  
[30] JP (2000-187893) 2000-06-22

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**16 decembre 2001 - 22 decembre 2001**

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[21] **2,350,967**  
[13] A1

[51] **Int.Cl. 7C07C 69/587 7A23G 3/00 7A23G 9/00 7A23C 19/09 7A23L 1/24 7A23L 1/39 7C12P 7/62 7C12P 7/64**  
[25] EN  
[54] **CLA-ESTERS**  
[54] **LINOLEATES CONJUGUES**  
[72] TARAN, VICTORIA, NL  
[72] RAKOWSKI, KRZYSZTOF PIOTR, NL  
[72] BARCLAY, SCOTT, GB  
[71] TARAN, VICTORIA, NL  
[71] RAKOWSKI, KRZYSZTOF PIOTR, NL  
[71] BARCLAY, SCOTT, GB  
[22] 2001-06-18  
[43] 2001-12-19  
[30] EP (00305185.1) 2000-06-19

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[21] **2,350,976**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7C12N 15/01 7C12N 15/85**  
[25] EN  
[54] **CELL LIBRARIES INDEXED TO NUCLEIC ACID MICROARRAYS**  
[54] **BIBLIOTHEQUES DE CELLULES INDEXEES EN FONCTION DE JEUX ORDONNES DE MICROECHANTILLONS D'ACIDES NUCLEIQUES**  
[72] ONG, CHRISTOPHER J., CA  
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA  
[22] 2001-06-18  
[43] 2001-12-16  
[30] CA (2,309,371) 2000-06-16

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[21] **2,350,977**  
[13] A1

[51] **Int.Cl. 7H05H 1/34 7B23K 10/02**  
[25] EN  
[54] **A DEVICE WITH A PLASMA TORCH**  
[54] **DISPOSITIF AVEC CHALUMEAU A PLASMA**  
[72] SCHWANKHART, GERHARD, AT  
[71] INOCON TECHNOLOGIE GESELLSCHAFT M.B.H., AT  
[22] 2001-06-20  
[43] 2001-12-21  
[30] AT (GM 453/2000) 2000-06-21

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[21] **2,350,981**  
[13] A1

[51] **Int.Cl. 7H01J 61/02 7H01J 7/00 7H01J 61/33**  
[25] EN  
[54] **HORIZONTAL BURNING HID LAMPS AND ARC TUBES**  
[54] **LAMPES DHI HORIZONTALES ET TUBES A ARC**  
[72] SULCS, JURIS, US  
[72] LAMOURI, ABBAS, US  
[72] GU, BINGWU, US  
[71] ADVANCED LIGHTING TECHNOLOGIES, INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/597,547) 2000-06-19

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[21] **2,350,982**  
[13] A1

[51] **Int.Cl. 7H01M 2/00 7H01M 10/02 7H01M 10/06**  
[25] EN  
[54] **MOLDED MODULAR LEAD-ACID BATTERY SYSTEM**  
[54] **SYSTEME MODULAIRE MOULE DE BATTERIE AU PLOMB**  
[72] HEIMER, DREW, US  
[71] C & D TECHNOLOGIES, INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (60/212,264) 2000-06-19

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[21] **2,350,984**  
[13] A1

[51] **Int.Cl. 7H01H 85/041**  
[25] EN  
[54] **HIGH ELECTRICAL POWER CURRENT LIMITER BEING USEFUL IN ELECTRICAL POWER SYSTEM**  
[54] **LIMITEUR DE COURANT HAUTE PUISSANCE UTILISE DANS LES SYSTEMES D'ALIMENTATION ELECTRIQUE**  
[72] LARSEN, JORGEN GUTZON, DK  
[72] CHRISTIANSEN, JENS, DK  
[71] HALDOR TOPSOE A/S, DK  
[22] 2001-06-18  
[43] 2001-12-19  
[30] DK (PA 2000 00951) 2000-06-19

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[21] **2,350,986**  
[13] A1

[51] **Int.Cl. 7A47F 1/00 7A47F 7/00**  
[25] EN  
[54] **DISPLAY SYSTEM WITH COLOR CODED STYLES AND SIZES OF MERCHANDISE**  
[54] **SYSTEME DE PRESENTATION PAR CODAGE COULEUR DES STYLES ET TAILLES DE MARCHANDISES**  
[72] FORD, ALLAN L., US  
[71] REBORN PRODUCTS CO., INC., US  
[22] 2001-06-18  
[43] 2001-12-20  
[30] US (09/597,501) 2000-06-20

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[21] **2,350,989**  
[13] A1

[51] **Int.Cl. 7A41D 13/05 7A63B 71/12**  
[25] EN  
[54] **MARTIAL ARTS GI WITH TARGETS**  
[54] **TENUES D'ARTS MARTIAUX AVEC CIBLES**  
[72] STEMBRIDGE, ALAN I., CA  
[71] STEMBRIDGE, ALAN I., CA  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (60/213,276) 2000-06-22

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[21] **2,350,991**  
[13] A1

[51] **Int.Cl. 7B29C 45/76**  
[25] EN  
[54] **METHOD AND APPARATUS FOR INJECTION MOLDING**  
[54] **METHODE ET DISPOSITIF DE MOULAGE PAR INJECTION**  
[72] VOISARD, DAVID, US  
[72] SMITH, DOUG, US  
[71] MITSUBISHI HEAVY INDUSTRIES INJECTION MOLDING MACHINERY, INC., US  
[22] 2001-06-18  
[43] 2001-12-16  
[30] US (09/595,681) 2000-06-16

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[21] **2,350,997**  
[13] A1  
[51] **Int.Cl. 7H01J 9/24 7H01J 7/00 7H01J 61/02**  
[25] EN  
[54] **METHOD OF MAKING ARC TUBES**  
[54] **METHODE DE FABRICATION DE TUBES ~ ARC**  
[72] SULCS, JURIS, US  
[72] LAMOURI, ABBAS, US  
[71] ADVANCED LIGHTING TECHNOLOGIES, INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/597,548) 2000-06-19

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[21] **2,350,999**  
[13] A1  
[51] **Int.Cl. 7H04B 7/185 7H04B 7/005**  
[25] EN  
[54] **COMPREHENSIVE SYSTEM AND METHOD FOR UPLINK POWER CONTROL IN A SATELLITE COMMUNICATION SYSTEM**  
[54] **SYSTEME ET METHODE COMPLETS PERMETTANT DE COMMANDER LA PUISSANCE SUR TRAJET MONTANT D'UN SYSTEME DE TELECOMMUNICATIONS PAR SATELLITE**  
[72] NIVENS, DENNIS A., US  
[72] WRIGHT, DAVID A., US  
[71] TRW INC., US  
[22] 2001-06-18  
[43] 2001-12-19  
[30] US (09/596,683) 2000-06-19

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[21] **2,351,001**  
[13] A1  
[51] **Int.Cl. 7H04J 3/07 7H04B 7/005 7H04B 7/185**  
[25] EN  
[54] **COMMON DOWNLINK FRAME LENGTH FOR DIFFERING CODING RATES WITH HOPPING WAVEFORM**  
[54] **LONGUEUR DE TRAME DE LIAISON DESCENDANTE COMMUNE POUR DEBITS DE CODAGE DIFFERENTS SELON LA FORME D'ONDE DE SAUT**  
[72] WRIGHT, DAVID A., US  
[72] COOPER, SCOTT A., US  
[72] YOUSEFI, ESMAELL, US  
[72] JUE, REGINALD, US  
[71] TRW INC., US  
[22] 2001-06-15  
[43] 2001-12-21  
[30] US (09/599,149) 2000-06-21

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[21] **2,351,005**  
[13] A1  
[51] **Int.Cl. 7G02C 5/12**  
[25] EN  
[54] **ADJUSTABLE EYEGLASS FRAME**  
[54] **MONTURE DE LUNETTES REGLABLE**  
[72] NEGISHI, TOHRU, JP  
[72] SAITOH, MASATOSHI, JP  
[71] YOUCHI KAIHATSU CO., LTD., JP  
[22] 2001-06-19  
[43] 2001-12-21  
[30] JP (224573/2000) 2000-06-21  
[30] JP (396241/2000) 2000-11-22  
[30] JP (130312/2001) 2001-03-26

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[21] **2,351,006**  
[13] A1  
[51] **Int.Cl. 7B21D 28/28**  
[25] EN  
[54] **METHOD AND DEVICE FOR PRODUCING LEADTHROUGHS ON HOLLOW PROFILES**  
[54] **DISPOSITIF DE PRODUCTION DE GUIDAGES SUR DES PROFILES CREUX ET METHODE CONNEXE**  
[72] HARDTKE, UWE, DE  
[71] DAIMLERCHRYSLER AG, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (100 29 321.2) 2000-06-20

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[21] **2,351,007**  
[13] A1  
[51] **Int.Cl. 7H04B 7/005**  
[25] EN  
[54] **BEAM LAYDOWN FOR HOPPED SATELLITE DOWNLINK WITH ADAPTABLE DUTY CYCLE**  
[54] **CONFIGURATION DE FAISCEAUX DE SATELLITE POUR LIAISONS DESCENDANTES PAR SAUTS A FACTEUR D'UTILISATION ADAPTABLE**  
[72] JUE, REGINALD, US  
[72] COOPER, SCOTT A., US  
[72] BERGER, HARVEY L., US  
[72] NIVENS, DENNIS A., US  
[72] YOUSEFI, ESMAELL, US  
[72] WHITE, ROBERT W., US  
[71] TRW INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/599,036) 2000-06-21

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[21] **2,351,009**  
[13] A1  
[51] **Int.Cl. 7A61L 27/34 7C25D 13/02**  
[25] EN  
[54] **COATING FOR METALLIC IMPLANT MATERIALS**  
[54] **REVETEMENT POUR MATERIAUX D'IMPLANTS METALLIQUES**  
[72] DARD, MICHEL, DE  
[72] ROSSLER, SOPHIE, DE  
[72] SEWING, ANDREAS, DE  
[72] WORCH, HARTMUT, DE  
[72] SCHARNWEBER, DIETER, DE  
[71] MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE  
[22] 2001-06-19  
[43] 2001-12-21  
[30] DE (100 29 520.7) 2000-06-21

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[21] **2,351,011**  
[13] A1  
[51] **Int.Cl. 7H04B 7/185 7H04B 7/005 7H04L 12/56**  
[25] EN  
[54] **BEAM HOPPING SELF ADDRESSED PACKET SWITCHED COMMUNICATION SYSTEM WITH MULTI-PORT SHARED MEMORY**  
[54] **SYSTEME DE TRANSMISSION PAR PAQUETS AUTOADRESSES A COMMUTATION DE FAISCEAU ET MEMOIRE PARTAGEE MULTI-PORTS**  
[72] NGUYEN, ANDREW T., US  
[72] MOY-YEE, LISA A., US  
[72] YEE-MADERA, GEFFERIE H., US  
[72] BERA, TUHINA R., US  
[72] COOPER, SCOTT A., US  
[72] LINSKY, STUART T., US  
[72] JUE, REGINALD, US  
[71] TRW INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/599,035) 2000-06-21

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[21] **2,351,013**  
[13] A1  
[51] **Int.Cl. 7F24H 3/04**  
[25] EN  
[54] **SPACE HEATER USING QUARTZ-HALOGEN LAMP SOURCE**  
[54] **CHAUFFERETTE A SOURCE CONSTITUEE DE LAMPES QUARTZ-HALOGENE**  
[72] BURKETT, WILLIAM W., US  
[71] BURKETT, WILLIAM W., US  
[22] 2001-06-18  
[43] 2001-12-16  
[30] US (09/596,192) 2000-06-16

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[21] **2,351,014**  
[13] A1

[51] **Int.Cl. 7H01S 5/02**  
[25] EN  
[54] **SEMICONDUCTOR LASER DEVICE**  
[54] **DISPOSITIF LASER A SEMICONDUCTEURS**  
[72] TSUKIJI, NAOKI, JP  
[72] YOSHIDA, JUNJI, JP  
[71] THE FURUKAWA ELECTRIC CO., LTD., JP  
[22] 2001-06-19  
[43] 2001-12-20  
[30] JP (2000-185109) 2000-06-20  
[30] US (09/750,504) 2000-12-26

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[21] **2,351,016**  
[13] A1

[51] **Int.Cl. 7A61L 27/28 7A61L 27/54**  
[25] EN  
[54] **DEVICE AND PROCESS FOR COATING STENTS**  
[54] **DISPOSITIF ET METHODE DE REVETEMENT DE TUTEURS INTRAVASCULAIRES**  
[72] COOK, DAVID, CA  
[72] NARAYANAN, PALLASSANA, US  
[72] LEIDNER, JACOB, CA  
[72] LLANOS, GERALD H., US  
[71] CORDIS CORPORATION, US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,876) 2000-06-16

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[21] **2,351,021**  
[13] A1

[51] **Int.Cl. 7H04B 7/185 7H04B 7/005 7H04L 12/56**  
[25] EN  
[54] **BEAM HOPPING SELF ADDRESSED PACKET SWITCHED COMMUNICATION SYSTEM WITH POWER GATING**  
[54] **SYSTEME DE TRANSMISSION PAR PAQUETS AUTOADRESSES A COMMUTATION DE FAISCEAU ET COMMANDE DE PUISSANCE**  
[72] JUE, REGINALD, US  
[72] COOPER, SCOTT A., US  
[72] YOUSEFI, ESMAELL, US  
[72] TRAMM, FRED C., US  
[72] LINSKY, STUART T., US  
[72] BEVER, MARK E., US  
[71] TRW INC., US  
[22] 2001-06-15  
[43] 2001-12-21  
[30] US (09/599,148) 2000-06-21

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[21] **2,351,026**  
[13] A1

[51] **Int.Cl. 7A62C 3/08**  
[25] EN  
[54] **FIRE EXTINGUISHING ACCESS PORT NOZZLE ASSEMBLY**  
[54] **ENSEMBLE DE BUSES POUR EXTINCTEUR D'INCENDIES**  
[72] FLEECE, ROBERT, US  
[72] DAVIS, ROBERT E., US  
[72] NIELSEN, DOUGLAS, US  
[71] LOGO TECH MANUFACTURING, INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/597,306) 2000-06-20

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[21] **2,351,029**  
[13] A1

[51] **Int.Cl. 7A21C 3/04 7A21C 11/16**  
[25] EN  
[54] **DEVICE, SYSTEM AND METHOD FOR FLUID ADDITIVE INJECTION INTO A VISCOUS FLUID FOOD STREAM**  
[54] **DISPOSITIF, SYSTEME ET METHODE D'INJECTION D'UN ADDITIF LIQUIDE DANS LE CIRCUIT D'UN ALIMENT LIQUIDE VISQUEUX**  
[72] CHATEL, ROBERT E., US  
[72] PARSONS, MARCUS, US  
[71] THE QUAKER OATS COMPANY, US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,067) 2000-06-16

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[21] **2,351,031**  
[13] A1

[51] **Int.Cl. 7B32B 27/12 7E04B 1/94**  
[25] EN  
[54] **BURN THROUGH AND FLAME PROPAGATION RESISTANT LAYER OR COVERING**  
[54] **COUCHE OU REVETEMENT POUVANT SE CONSUMER ET RESISTANT A LA PROPAGATION DU FEU**  
[72] FAY, RALPH MICHAEL, US  
[72] WULLIMAN, REBECCA S., US  
[71] JOHNS MANVILLE INTERNATIONAL, INC., US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/595,483) 2000-06-16

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[21] **2,351,032**  
[13] A1

[51] **Int.Cl. 7H04B 7/00**  
[25] EN  
[54] **GATED POWER FOR A SATELLITE HOPPED DOWNLINK WITH MULTIPLE PAYLOADS PER FRAME**  
[54] **COMMANDE DE PUISSANCE POUR LIAISONS DESCENDANTES DE SATELLITE PAR SAUTS A MULTIPLES SIGNAUX UTILES PAR TRAME**  
[72] YOUSEFI, ESMAELL, US  
[72] LINSKY, STUART T., US  
[72] BEVER, MARK E., US  
[72] TRAMM, FRED C., US  
[72] YEE-MADERA, GEFFERIE H., US  
[72] MOY-YEE, LISA A., US  
[72] NGUYEN, VINCENT, US  
[71] TRW INC., US  
[22] 2001-06-15  
[43] 2001-12-21  
[30] US (09/599,042) 2000-06-21

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[21] **2,351,033**  
[13] A1

[51] **Int.Cl. 7H04B 7/005**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONTROLLING UPLINK POWER IN A SATELLITE COMMUNICATION SYSTEM USING ERROR LEVELING**  
[54] **METHODE ET SYSTEME DE COMMANDE DE LA PUISSANCE SUR TRAJET MONTANT D'UN SYSTEME DE TELECOMMUNICATIONS PAR SATELLITE UTILISANT L'EGALISATION DES ERREURS**  
[72] CASO, GREGORY S., US  
[72] MUNOZ, MICHAEL S., US  
[72] WRIGHT, DAVID A., US  
[72] STEPHENS, SCOTT A., US  
[72] NIVENS, DENNIS A., US  
[71] TRW INC., US  
[22] 2001-06-15  
[43] 2001-12-19  
[30] US (09/596,344) 2000-06-19

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**Canadian Laid-Open Applications  
December 16, 2001 - December 22, 2001**

[21] **2,351,034**  
[13] A1

[51] **Int.Cl. 7A61B 10/00**  
[25] EN  
[54] **APPARATUS FOR THE PERCUTANEOUS MARKING OF A LESION**  
[54] **APPAREIL POUR LE MARQUAGE PERCUTANE D'UNE LESION**  
[72] FIELD, STEVEN E., US  
[72] CHESBROUGH, RICHARD M., US  
[72] DAVIS, RICHARD E., US  
[72] ZERFAS, JEFF, US  
[72] GOOSEN, RYAN L., US  
[71] INRAD, INC., US  
[22] 2001-06-15  
[43] 2001-12-16  
[30] US (09/596,160) 2000-06-16

[21] **2,351,035**  
[13] A1

[51] **Int.Cl. 7H04J 3/00 7H04L 29/02**  
[25] EN  
[54] **DOWNLINK BEAM HOPPING WAVEFORM**  
[54] **FORME D'ONDE DE COMMUTATION DE FAISCEAU SUR LIAISON DESCENDANTE**  
[72] LINSKY, STUART T., US  
[72] WRIGHT, DAVID A., US  
[72] BEVER, MARK E., US  
[72] COOPER, SCOTT A., US  
[72] YOUSEFI, ESMAELL, US  
[72] JUE, REGINALD, US  
[71] TRW INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/599,040) 2000-06-21

[21] **2,351,041**  
[13] A1

[51] **Int.Cl. 7A61B 5/0402**  
[25] EN  
[54] **RAPID MAPPING OF ELECTRICAL ACTIVITY IN THE HEART**  
[54] **REPRESENTATION CARTOGRAPHIQUE RAPIDE DE L'ACTIVITE ELECTRIQUE DU COEUR**  
[72] GOVARI, ASSAF, IL  
[71] BIOSENSE, INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/598,862) 2000-06-21

[21] **2,351,042**  
[13] A1

[51] **Int.Cl. 7G06T 5/00 7G06T 7/00 7G06K 15/02**  
[25] EN  
[54] **COLOR TABLE LEVEL RESERVATION**  
[54] **REPRESENTATION DES NIVEAUX DANS UNE TABLE DES COULEURS**  
[72] WATKINS, CHRISTOPHER L., US  
[72] PIATT, MICHAEL J., US  
[71] SCITEX DIGITAL PRINTING, INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/597,437) 2000-06-20

[21] **2,351,043**  
[13] A1

[51] **Int.Cl. 7H04B 7/185**  
[25] EN  
[54] **BEAM HOPPING SELF ADDRESSED PACKET SWITCHED COMMUNICATION SYSTEM WITH LOCALLY INTELLIGENT SCHEDULING**  
[54] **SYSTEME DE TRANSMISSION PAR PAQUETS AUTOADRESSES A COMMUTATION DE FAISCEAU ET ORDONNANCEMENT LOCAL INTELLIGENT**  
[72] YASUI, KEVIN M., US  
[72] NGUYEN, ANDREW T., US  
[72] NGUYEN, VINCENT, US  
[72] JUE, REGINALD, US  
[72] COOPER, SCOTT A., US  
[72] MOY-YEE, LISA A., US  
[72] LINSKY, STUART T., US  
[71] TRW INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/599,041) 2000-06-21

[21] **2,351,044**  
[13] A1

[51] **Int.Cl. 7B65B 13/30**  
[25] EN  
[54] **MANUALLY-OPERATED SEALING TOOL FOR JOINING END PORTIONS OF PLASTIC STRAPPING, SEAL MEMBER, AND SEALED JOINT FORMED THEREBY**  
[54] **OUTIL DE SCELLEMENT MANUEL POUR L'ASSEMBLAGE D'EXTREMITES DE FEUILLARDS DE PLASTIQUE, ELEMENT DE JOINT, ET JOINT SCELLE AINSI FORME**  
[72] ANGAROLA, BARRY R., US  
[72] FIGIEL, JANUSZ, US  
[72] BRECKHEIMER, MATHEW, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/598,599) 2000-06-21

[21] **2,351,045**  
[13] A1

[51] **Int.Cl. 7G06F 17/30**  
[25] EN  
[54] **METHOD OF MANAGING SLOWLY CHANGING DIMENSIONS**  
[54] **METHODE DE GESTION DES DIMENSIONS EN LENTE VARIATION**  
[72] CAMPBELL, NIGEL ANTHONY, CA  
[72] ROBERTS, MICHAEL DAVID, GB  
[72] GRIFFIN, DAVID ANTONY JOHN, GB  
[72] JUDGES, STEPHEN HUGH, CA  
[72] GRIFFITHS, PETER JAMES LAWRENCE, CA  
[71] COGNOS INCORPORATED, CA  
[22] 2001-06-18  
[43] 2001-12-16  
[30] CA (2,311,884) 2000-06-16

[21] **2,351,048**  
[13] A1

[51] **Int.Cl. 7A01D 41/12**  
[25] EN  
[54] **CLEANING ASSEMBLY**  
[54] **DISPOSITIF DE NETTOYAGE**  
[72] BUERMANN, MARTIN, DE  
[71] DEERE & COMPANY, US  
[22] 2001-06-20  
[43] 2001-12-20  
[30] DE (100 30 262.9) 2000-06-20

**Demandes canadiennes mises à la disponibilité du public**  
**16 decembre 2001 - 22 decembre 2001**

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[21] **2,351,053**  
[13] A1

[51] **Int.Cl. 7F27D 7/00**  
[25] EN  
[54] **COMBUSTION IN A POROUS WALL FURNACE**  
[54] **COMBUSTION DANS UN FOUR A PAROI POREUSE**  
[72] KOBAYASHI, HISASHI, US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 2001-06-20  
[43] 2001-12-21  
[30] US (09/598,159) 2000-06-21

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[21] **2,351,055**  
[13] A1

[51] **Int.Cl. 7E21B 33/13**  
[25] EN  
[54] **CEMENT DIVERTER SYSTEM FOR MULTILATERAL JUNCTIONS AND METHOD FOR CEMENTING A JUNCTION**  
[54] **SYSTEME DE DERIVATION DU CIMENT POUR JONCTIONS MULTILATERALES ET METHODE DE CIMENTATION D'UNE JONCTION**  
[72] MACKENZIE, ALAN, US  
[72] MURRAY, DOUGLAS J., US  
[72] MILLS, AUBREY C., US  
[71] BAKER HUGHES INCORPORATED, US  
[22] 2001-06-20  
[43] 2001-12-21  
[30] US (60/213,050) 2000-06-21

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[21] **2,351,056**  
[13] A1

[51] **Int.Cl. 7B65F 1/14**  
[25] EN  
[54] **BIN CARRIER ATTACHMENT FOR A PORTABLE WASTE CONTAINER**  
[54] **ACCESSOIRE DE SUPPORT DE BENNE POUR CONTENEUR DE DECHETS PORTATIF**  
[72] CESTRONE, PETER A., US  
[71] CESTRONE, KATHERINE BAKOS, US  
[71] CESTRONE, PETER A., US  
[71] KERETSES, URANIS BAKOS, US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (60/213,010) 2000-06-21

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[21] **2,351,069**  
[13] A1

[51] **Int.Cl. 7B65D 1/00**  
[25] EN  
[54] **POLYPROPYLENE ULTRA-LIGHTWEIGHT FOOD CONTAINERS**  
[54] **RECIPIENTS ALIMENTAIRES ULTRA-LEGERS EN POLYPROPYLENE**  
[72] AGARWAL, SURENDRA H., US  
[71] KRAFT FOODS HOLDINGS, INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/596,918) 2000-06-20

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[21] **2,351,070**  
[13] A1

[51] **Int.Cl. 7C08G 18/32 7C08G 18/22 7C08G 18/76**  
[25] EN  
[54] **USE OF RICINOLEIC ACID**  
[54] **UTILISATION DE L'ACIDE RICINOLEIQUE**  
[72] SCHLONS, HANS-HEINRICH, DE  
[72] HOFFMANN, RALF, DE  
[71] GOLDSCHMIDT AG, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (100 30 256.4) 2000-06-20

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[21] **2,351,072**  
[13] A1

[51] **Int.Cl. 7F23D 14/02**  
[25] EN  
[54] **GASEOUS FUEL AND OXYGEN BURNER**  
[54] **COMBUSTIBLE GAZEUX ET BRULEUR A OXYGENE**  
[72] SESTRAP, ARVO M., CA  
[71] SHARJAN VENTURE LTD., CA  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (60/213,267) 2000-06-22

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[21] **2,351,095**  
[13] A1

[51] **Int.Cl. 7E21B 33/12**  
[25] EN  
[54] **COMBINED SEALING AND GRIPPING UNIT FOR RETRIEVABLE PACKERS**  
[54] **UNITE COMBINEE DE SCELLEMENT ET DE PREHENSION POUR PACKERS RECUPERABLES**  
[72] WEINIG, CONRAD G., US  
[72] BAUGH, JOHN L., US  
[71] BAKER HUGHES INCORPORATED, US  
[22] 2001-06-20  
[43] 2001-12-21  
[30] US (09/598,830) 2000-06-21

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[21] **2,351,096**  
[13] A1

[51] **Int.Cl. 7A24D 1/00**  
[25] EN  
[54] **PAPER WRAPPER FOR REDUCTION OF CIGARETTE BURN RATE**  
[54] **PAPIER PERMETTANT DE REDUIRE LA VITESSE DE COMBUSTION DES CIGARETTES**  
[72] HAMPL, VLADIMIR JR., US  
[72] KRAKER, TOM, US  
[72] SNOW, LARRY D., US  
[71] SCHWEITZER-MAUDUIT INTERNATIONAL, INC., US  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (60/213,313) 2000-06-22

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[21] **2,351,097**  
[13] A1

[51] **Int.Cl. 7G07F 17/24**  
[25] EN  
[54] **HOUSING FOR PARKING METER**  
[54] **BOITIER POUR PARCOMETRE**  
[72] TUXEN, GORM, US  
[72] BERMAN, LAWRENCE, US  
[72] MAGNESS, TODD, US  
[71] DUNCAN INDUSTRIES, US  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (09/599,228) 2000-06-22

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**Canadian Laid-Open Applications**  
**December 16, 2001 - December 22, 2001**

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[21] **2,351,107**  
[13] A1

[51] **Int.Cl. 7F17C 7/00 7F17C 13/04**  
[25] FR  
[54] **DISPOSITIF DE STOCKAGE ET DE MELANGE DE DEUX GAZ**  
[54] **SYSTEM FOR THE STORAGE AND MIXTURE OF TWO GASES**  
[72] BRYSELBOUT, FRANCIS, FR  
[71] L' AIR LIQUIDE, SOCIETE ANONYME POUR L' ETUDE ET L' EXPLOITATION DES PROCED ES  
GEORGES CLAUDE, FR  
[22] 2001-06-18  
[43] 2001-12-20  
[30] FR (00 07838) 2000-06-20

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[21] **2,351,108**  
[13] A1

[51] **Int.Cl. 7D01D 10/02 7D02G 3/24**  
[25] EN  
[54] **PROCESSES AND SYSTEMS FOR MAKING SYNTHETIC BULKED CONTINUOUS FILAMENT YARNS**  
[54] **PROCEDES ET SYSTEMES POUR PRODUIRE DES FILS EN FILAMENTS CONTINUS GONFLANTS SYNTHETIQUES**  
[72] JOHNSON, ANN S., US  
[72] WADDINGTON, DAVID M., US  
[72] SFERRAZZA, RANDALL A., US  
[71] BASF CORPORATION, US  
[22] 2001-06-18  
[43] 2001-12-22  
[30] US (09/599,458) 2000-06-22

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[21] **2,351,111**  
[13] A1

[51] **Int.Cl. 7H01H 7/16**  
[25] FR  
[54] **PROCEDE DE SYNCHRONISATION DE LA COMMUTATION D'UN DISJONCTEUR AVEC L'ONDE DE TENSION**  
[54] **PROCEDURE FOR SYNCHRONIZING CIRCUIT-BREAKER SWITCHING WITH VOLTAGE WAVE**  
[72] MARTIN, JOSEPH, FR  
[71] ALSTOM, FR  
[22] 2001-06-18  
[43] 2001-12-19  
[30] FR (00 07 783) 2000-06-19

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[21] **2,351,112**  
[13] A1

[51] **Int.Cl. 7B65D 81/32**  
[25] FR  
[54] **ENSEMBLE POUR LE MELANGE EXTEMPORANE DE DEUX PRODUITS**  
[54] **SYSTEM FOR EXTEMPORANEOUS MIXTURE OF TWO PRODUCTS**  
[72] DE LAFORCADE, VINCENT, FR  
[71] L' OREAL, FR  
[22] 2001-06-18  
[43] 2001-12-21  
[30] FR (00 07 925) 2000-06-21

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[21] **2,351,114**  
[13] A1

[51] **Int.Cl. 7C03C 3/062**  
[25] EN  
[54] **FUSED AND CAST AZS PRODUCTS OF REDUCED COST, AND USES THEREOF**  
[54] **PRODUITS AZS DE COUT REDUIT OBTENUS PAR FUSION ET MOULAGE ET LEURS UTILISATIONS**  
[72] COLOZZI, THIERRY BRUNO JACQUES, FR  
[72] GAUBIL, MICHEL MARC, FR  
[72] BOUSSANT-ROUX, YVES MARCEL LEON, FR  
[71] SOCIETE EUROPEENNE DES PRODUITS REFRACTAIRES, FR  
[22] 2001-06-20  
[43] 2001-12-20  
[30] FR (00 07831) 2000-06-20

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[21] **2,351,116**  
[13] A1

[51] **Int.Cl. 7B60C 9/18 7B29D 30/40**  
[25] FR  
[54] **BANDAGE RENFORCE PAR UN ELEMENT COMPOSITE LONGILIGNE DE TYPE MONOFILAMENTAIRE, AINSI QU'UN TEL ELEMENT**  
[54] **BANDAGE REINFORCED WITH A LONGILINEAR MONOFILAMENT COMPOSITE ELEMENT AND SAID ELEMENT**  
[72] MERALDI, JEAN-PAUL, CH  
[71] CONCEPTION ET DEVELOPPEMENT MICHELIN S.A., CH  
[22] 2001-06-18  
[43] 2001-12-22  
[30] FR (00 08 115) 2000-06-22

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[21] **2,351,117**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7H04N 7/173 7G06F 17/60**  
[25] FR  
[54] **DISPOSITIF ET PROCEDE DE GESTION A DISTANCE D'UN RESEAU DE SYSTEMES DE REPRODUCTION D'INFORMATIONS AUDIOVISUELLES**  
[54] **EQUIPMENT AND PROCESS FOR REMOTE MANAGEMENT OF A NETWORK OF AUDIOVISUAL INFORMATION REPRODUCTION SYSTEMS**  
[72] MASTRONARDI, TONY, CA  
[72] NATHAN, GUY, CA  
[72] CLEMENT, HUGUES, CA  
[71] TOUCHTUNES MUSIC CORPORATION, US  
[22] 2001-06-19  
[43] 2001-12-21  
[30] US (09/598,170) 2000-06-21

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[21] **2,351,118**  
[13] A1

[51] **Int.Cl. 7G03G 5/147**  
[25] EN  
[54] **ELECTROPHOTOGRAPHIC PHOTOSENSITIVE MEMBER, AND PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC APPARATUS HAVING THE ELECTROPHOTOGRAPHIC PHOTOSENSITIVE MEMBER**  
[54] **PIECE ELECTROPHOTOGRAPHIQUE PHOTOSENSIBLE, ET APPAREIL ELECTROPHOTOGRAPHIQUE ET CARTOUCHE DE DEVELOPPEMENT COMPRENANT LA PIECE ELECTROPHOTOGRAPHIQUE PHOTOSENSIBLE**  
[72] MORIKAWA, YOSUKE, JP  
[72] TANAKA, DAISUKE, JP  
[72] YOSHIMURA, KIMIHIRO, JP  
[72] NAKATA, KOUICHI, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-20  
[43] 2001-12-21  
[30] JP (186204/2000) 2000-06-21

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**16 decembre 2001 - 22 decembre 2001**

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[21] **2,351,122**  
[13] A1

[51] **Int.Cl. 7B01D 19/04 7C09D 7/12**  
[25] EN  
[54] **SILICONE BASED DEFOAMER**  
[54] **ADDITIF ANTIMOUSSE A BASE**  
**DE SILICONE**  
[72] ROMANO, ANDREW A., US  
[72] RUDY, ROSANNA P., US  
[71] ASHLAND INC., US  
[22] 2001-06-20  
[43] 2001-12-22  
[30] US (09/599,134) 2000-06-22

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[21] **2,351,125**  
[13] A1

[51] **Int.Cl. 7C07C 205/45 7A61P 25/00**  
**7A61P 1/04 7C07D 215/06 7C07D 295/108**  
**7A61K 31/12 7A61P 9/12 7A61K 31/137**  
**7A61K 31/15 7C07C 225/22 7A61K 31/222**  
**7A61K 31/265 7A61K 31/40 7C07C 251/44**  
**7A61K 31/4453 7A61K 31/47 7A61K 31/**  
**496 7A61K 31/5375 7C07D 211/60**  
[25] EN  
[54] **SUBSTITUTED NITRATED**  
**CATECHOLS, THEIR USE IN THE**  
**TREATMENT OF SOME CENTRAL**  
**AND PERIPHERAL NERVOUS SYSTEM**  
**DISORDERS AND PHARMACEUTICAL**  
**COMPOSITIONS CONTAINING THEM**  
[54] **CATECHOLS NITRES**  
**SUBSTITUES, LEUR UTILISATION**  
**DANS LE TRAITEMENT DE CERTAINS**  
**TROUBLES DES SYSTEMES NERVEUX**  
**CENTRAL ET PERIPHERIQUE ET**  
**COMPOSITIONS**  
**PHARMACEUTIQUES CONTENANT**  
**CES PRODUITS**  
[72] LEARMONTH, DAVID  
ALEXANDER, PT  
[72] SOARES DA SILVA, PATRICIO  
MANUEL BIEIRA ARAUJO, PT  
[71] PORTELA & CA., S.A., PT  
[22] 2001-06-20  
[43] 2001-12-21  
[30] GB (GB 0015228.0) 2000-06-21

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[21] **2,351,129**  
[13] A1

[51] **Int.Cl. 7C07C 205/45 7A61P 25/00**  
**7C07D 217/04 7A61P 1/04 7C07D 295/108**  
**7A61K 31/12 7A61P 9/12 7A61K 31/137**  
**7C07C 225/22 7C07C 323/22 7A61K 31/40**  
**7A61K 31/4453 7A61K 31/47 7A61K 31/**  
**496 7A61K 31/506 7A61K 31/5375 7A61K**  
**31/541 7A61K 31/55**  
[25] EN  
[54] **NOVEL SUBSTITUTED**  
**NITROCATECHOLS, THEIR USE IN**  
**THE TREATMENT OF SOME**  
**CENTRAL AND PERIPHERAL**  
**NERVOUS SYSTEM DISORDERS AND**  
**PHARMACEUTICAL COMPOSITIONS**  
**CONTAINING THEM**  
[54] **NOUVEAUX NITROCATECHOLS**  
**SUBSTITUES, LEUR UTILISATION**  
**DANS LE TRAITEMENT DE CERTAINS**  
**TROUBLES DES SYSTEMES NERVEUX**  
**CENTRAL ET PERIPHERIQUE ET**  
**COMPOSITIONS**  
**PHARMACEUTIQUES**  
**CONTENANTCES PRODUITS**  
[72] SOARES DA SILVA, PATRICIO  
MANUEL VIEIRA ARAUJO, PT  
[72] LEARMONTH, DAVID  
ALEXANDER, PT  
[71] PORTELA & CA., S.A., PT  
[22] 2001-06-20  
[43] 2001-12-21  
[30] GB (0015225.6) 2000-06-21

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[21] **2,351,136**  
[13] A1

[51] **Int.Cl. 7G03G 5/147**  
[25] EN  
[54] **ELECTROPHOTOGRAPHIC**  
**PHOTOSENSITIVE MEMBER, AND**  
**PROCESS CARTRIDGE AND**  
**ELECTROPHOTOGRAPHIC**  
**APPARATUS INCLUDING THE**  
**PHOTOSENSITIVE MEMBER**  
[54] **PIECE**  
**ELECTROPHOTOGRAPHIQUE**  
**PHOTOSENSIBLE, ET APPAREIL**  
**ELECTROPHOTOGRAPHIQUE ET**  
**CARTOUCHE DE DEVELOPPEMENT**  
**COMPRENANT LA PIECE**  
**PHOTOSENSIBLE**  
[72] NAKATA, KOUICHI, JP  
[72] MORIKAWA, YOSUKE, JP  
[72] SAITO, HIROSHI, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-20  
[43] 2001-12-21  
[30] JP (186199/2000) 2000-06-21

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[21] **2,351,137**  
[13] A1

[51] **Int.Cl. 7A61G 3/06 7B65G 69/28**  
**7B60P 1/43**  
[25] EN  
[54] **FOLDAWAY RAMP FOR**  
**DISABLED PEOPLE IN**  
**WHEELCHAIRS AND CHILDREN'S**  
**PUSHCHAIRS FOR LOW FLOOR**  
**VEHICLES**  
[54] **RAMPE PLIABLE POUR**  
**PERSONNES HANDICAPEES EN**  
**FAUTEUILS ROULANTS ET**  
**POUSSETTES D'ENFANTS POUR**  
**VEHICULES A BAS PLANCHER**  
[72] SARDONICO, GENNARO, IT  
[71] ROLLON SPA, IT  
[22] 2001-06-21  
[43] 2001-12-21  
[30] IT (TO2000A000607) 2000-06-21

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[21] **2,351,141**  
[13] A1

[51] **Int.Cl. 7B60R 16/02**  
[25] EN  
[54] **VEHICLE-TRAILER SIGNAL**  
**CONVERTER**  
[54] **CONVERTISSEUR DE**  
**SIGNALISATION VEHICULE-**  
**REMORQUE**  
[72] BONER, FRANK A., US  
[71] ELECTRO-TRANSFER SYSTEMS,  
INC., US  
[22] 2001-06-21  
[43] 2001-12-22  
[30] US (09/602,165) 2000-06-22

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[21] **2,351,158**  
[13] A1

[51] **Int.Cl. 7G05B 19/02 7G05B 19/042**  
[25] EN  
[54] **INTEGRATED OPERATION**  
**INSTRUCTING SYSTEM FOR**  
**OPERATING POWER GENERATION**  
**PLANTS**  
[54] **SYSTEME INTEGRE**  
**D'EXPLOITATION DE CENTRALES**  
**ELECTRIQUES**  
[72] TANAKA, SATOSHI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP  
[22] 2001-06-20  
[43] 2001-12-21  
[30] JP (2000-186648) 2000-06-21

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**December 16, 2001 - December 22, 2001**

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[21] **2,351,160**  
[13] A1

[51] **Int.Cl. 7B65B 13/18**  
[25] EN  
[54] **STRAPPING MACHINE HAVING AN EASY CLEAR SLACK BOX**  
[54] **CERCLEUSE COMPRENANT UNE BOITE A DEBRIS FACILE A VIDER**  
[72] BOBREN, ALLAN J., US  
[72] DEVINE, DARRYL M., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-06-21  
[43] 2001-12-22  
[30] US (09/599,800) 2000-06-22

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[21] **2,351,162**  
[13] A1

[51] **Int.Cl. 7C09D 11/08 7B41M 5/00**  
[25] EN  
[54] **PRINTED MEDIA COATING**  
[54] **REVETEMENT IMPRIME**  
[72] KARL, ALFONS, DE  
[72] GLAUM, HOLGER, DE  
[72] KAUFMANN, MARITA, DE  
[72] STUBBE, ANDREAS, DE  
[72] LORTZ, WOLFGANG, DE  
[72] BERGEMANN, KLAUS, DE  
[71] DEGUSSA AG, DE  
[22] 2001-06-21  
[43] 2001-12-22  
[30] DE (100 30 704.3) 2000-06-23  
[30] US (60/213,243) 2000-06-22

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[21] **2,351,164**  
[13] A1

[51] **Int.Cl. 7H04Q 7/20**  
[25] EN  
[54] **METHOD AND APPARATUS FOR SUPPLEMENTAL CHANNEL SOFT HAND OFF IN CDMA SYSTEMS**  
[54] **METHODE ET APPAREIL DE RELAIS TRANSPARENT SUR CANAUX SUPPLEMENTAIRES DANS DES SYSTEMES AMRC**  
[72] PARANCHYCH, DAVID, US  
[72] CHHEDA, ASHVIN, US  
[72] WU, GENG, US  
[71] NORTEL NETWORKS LIMITED, CA  
[22] 2001-06-21  
[43] 2001-12-22  
[30] US (09/599,716) 2000-06-22

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[21] **2,351,183**  
[13] A1

[51] **Int.Cl. 7A62B 9/00**  
[25] EN  
[54] **CONDUIT WITH HEATED WICK**  
[54] **CONDUIT A MECHE CHAUFFANTE**  
[72] BALDWIN, DAVID PETER, NZ  
[72] SMITH, DANIEL JOHN, NZ  
[71] FISHER AND PAYKEL LIMITED, NZ  
[22] 2001-06-21  
[43] 2001-12-21  
[30] NZ (NZ509040) 2000-12-12  
[30] NZ (NZ505355) 2000-06-21

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[21] **2,351,190**  
[13] A1

[51] **Int.Cl. 7E05D 15/00**  
[25] EN  
[54] **PIVOT CONNECTION ADJUSTMENT ASSEMBLY**  
[54] **ENSEMBLE DE REGLAGE DE RACCORD A PIVOT**  
[72] TIMOTHY, E. ERIK, US  
[72] MILLIGAN, PATRICK E., US  
[72] HARKINS, PETER W., AU  
[71] CALDWELL MANUFACTURING COMPANY, US  
[22] 2001-06-21  
[43] 2001-12-22  
[30] AU (PQ8322/00) 2000-06-22

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[21] **2,351,199**  
[13] A1

[51] **Int.Cl. 7H01L 41/00 7B41J 2/05**  
[25] EN  
[54] **STRUCTURE OF PIEZOELECTRIC ELEMENT AND LIQUID DISCHARGE RECORDING HEAD, AND METHOD OF MANUFACTURE THEREFOR**  
[54] **STRUCTURE D'UN ELEMENT PIEZOELECTRIQUE ET TETE D'IMPRESSION A DISTRIBUTION LIQUIDE, ET METHODE DE FABRICATION CONNEXE**  
[72] MATSUDA, TAKANORI, JP  
[72] WASA, KIYOTAKA, JP  
[72] FUKUI, TETSURO, JP  
[72] UNNO, AKIRA, JP  
[71] WASA, KIYOTAKA, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-06-21  
[43] 2001-12-21  
[30] JP (185795/2000) 2000-06-21

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[21] **2,351,205**  
[13] A1

[51] **Int.Cl. 7F02M 63/00**  
[25] EN  
[54] **ANTI-ROTATION MECHANISM FOR A HIGH PRESSURE SUPPLY PIPE IN A COMMON RAIL FUEL SYSTEM**  
[54] **MECANISME ANTIROTATION POUR TUYAU D'ALIMENTATION HAUTE PRESSION DE SYSTEME CARBURANT A GALERIE COMMUNE**  
[72] PEARLMAN, SAMUEL, US  
[72] MCCARTHY, JAMES EDWARD JR., US  
[72] MITCHELL, DAVID HENRY, US  
[72] TKAC, RONALD MICHEAL, US  
[71] DETROIT DIESEL CORPORATION, US  
[22] 2001-06-21  
[43] 2001-12-22  
[30] US (09/609,006) 2000-06-22

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[21] **2,351,208**  
[13] A1

[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  
[71] DAIMLERCHRYSLER AG, DE  
[22] 2001-06-21  
[43] 2001-12-21  
[30] DE (100 29 467.7) 2000-06-21

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[21] **2,351,212**  
[13] A1

[51] **Int.Cl. 7H05B 6/14**  
[25] EN  
[54] **INDUCTION-HEATING ROLLER DEVICE**  
[54] **ROULEAU DE CHAUFFAGE PAR INDUCTION**  
[72] YAMAMURA, YOSHIHIKO, JP  
[72] OKAMOTO, KOZO, JP  
[71] TOKUDEN CO., LTD., JP  
[22] 2001-06-19  
[43] 2001-12-21  
[30] JP (2000-185686) 2000-06-21

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**Demandes canadiennes mises à la disponibilité du public**  
**16 décembre 2001 - 22 décembre 2001**

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[21] **2,351,223**  
[13] A1

[51] **Int.Cl. 7B01J 29/064 7B01D 53/56**  
[25] EN  
[54] **EXHAUST GAS PURIFYING CATALYST AND METHOD FOR PURIFYING EXHAUST GAS**  
[54] **CATALYSEUR POUR L'ÉPURATION DES GAZ D'ÉCHAPPEMENT ET METHODE D'ÉPURATION DES GAZ D'ÉCHAPPEMENT**  
[72] MATSUMOTO, TAKESHI, JP  
[72] YOSHIKAWA, TATSUYA, JP  
[72] HORIUCHI, MAKOTO, JP  
[71] ICT CO., LTD., JP  
[71] INTERNATIONAL CATALYST TECHNOLOGY, INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] JP (2000-185257) 2000-06-20

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[21] **2,351,225**  
[13] A1

[51] **Int.Cl. 7F16C 3/02 7B63B 35/73**  
[25] EN  
[54] **DRIVESHAFT WITH A RESILIENTLY DEFORMABLE CUSHIONING STRUCTURE SECURED THEREON**  
[54] **ARBRE D'ENTRAÎNEMENT AUQUEL EST FIXE UN ÉLÉMENT AMORTISSEUR DÉFORMABLE ELASTIQUE**  
[72] BOURRET, ROBERT, US  
[71] BOMBARDIER INC., CA  
[22] 2001-06-22  
[43] 2001-12-22  
[30] US (60/213,241) 2000-06-22

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[21] **2,351,234**  
[13] A1

[51] **Int.Cl. 7B21D 28/28**  
[25] EN  
[54] **METHOD AND DEVICE FOR PRODUCING LEADTHROUGHS ON HOLLOW PROFILES**  
[54] **DISPOSITIF DE PRODUCTION DE GUIDAGES SUR DES PROFILS CREUX ET METHODE CONNEXE**  
[72] HARDTKE, UWE, DE  
[71] DAIMLERCHRYSLER AG, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (100 29 319.0) 2000-06-20

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[21] **2,351,237**  
[13] A1

[51] **Int.Cl. 7A01D 75/00 7A01D 34/82**  
[25] EN  
[54] **A CLEANING DEVICE FOR A MOWER CUTTING CHAMBER**  
[54] **DISPOSITIF DE NETTOYAGE POUR CHAMBRE DE COUPE DE TONDEUSE**  
[72] THORMAN, CHRISTOPHER SCOTT, US  
[72] HOLLAND, RONALD PAUL, US  
[71] DEERE & COMPANY, US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/597,069) 2000-06-20

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[21] **2,351,238**  
[13] A1

[51] **Int.Cl. 7G06K 15/02**  
[25] EN  
[54] **A COLORIMETRIC METHOD OF MANIPULATING INKING IN DIGITAL IMAGES**  
[54] **METHODE COLORIMÉTRIQUE POUR LE TRAITEMENT DE L'ENCRAGE DANS LES IMAGES NUMÉRIQUES**  
[72] WATKINS, CHRISTOPHER L., US  
[71] SCITEX DIGITAL PRINTING, INC., US  
[22] 2001-06-19  
[43] 2001-12-20  
[30] US (09/597,203) 2000-06-20

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[21] **2,351,240**  
[13] A1

[51] **Int.Cl. 7F16H 3/44**  
[25] EN  
[54] **PLANETARY GEAR TRANSMISSION WITH VARIABLE RATIO**  
[54] **TRANSMISSION À ENGRENAGE PLANÉTAIRE VARIABLE**  
[72] MAKKONEN, PETRI ERKKI MICHAEL, FI  
[72] PAALASMAA, SEPPO LAURI, FI  
[72] HAUTALA, PEKKA JUHANI, FI  
[71] PRORAUTA, FI  
[22] 2001-06-20  
[43] 2001-12-21  
[30] FI (20001478) 2000-06-21

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[21] **2,351,241**  
[13] A1

[51] **Int.Cl. 7C08L 3/10 7D21H 17/29**  
[25] EN  
[54] **STARCH COMPOSITIONS AND THE USE THEREOF IN THE WET-END OF PAPER PREPARATION**  
[54] **COMPOSITIONS D'AMIDON ET LEUR UTILISATION POUR LA PARTIE HUMIDE DE LA PRÉPARATION DU PAPIER**  
[72] GLITTENBERG, DETLEV, DE  
[72] LEONHARDT, PETER, DE  
[71] CERESTAR HOLDING B.V., NL  
[22] 2001-06-20  
[43] 2001-12-20  
[30] GB (0014946.8) 2000-06-20

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[21] **2,351,243**  
[13] A1

[51] **Int.Cl. 7G06K 15/02 7B41J 2/21**  
[25] EN  
[54] **COLOR PRINTER CALIBRATION**  
[54] **ÉTALONNAGE D'UNE IMPRIMANTE COULEUR**  
[72] WOZNAK, TERRY, US  
[72] WATKINS, CHRISTOPHER L., US  
[72] PIATT, MICHAEL J., US  
[71] SCITEX DIGITAL PRINTING, INC., US  
[22] 2001-06-20  
[43] 2001-12-20  
[30] US (09/597,534) 2000-06-20

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[21] **2,351,250**  
[13] A1

[51] **Int.Cl. 7A61K 31/519 7A61P 1/16 7A61K 31/198 7A61K 31/21 7A61K 31/517**  
[25] EN  
[54] **METHOD FOR STIMULATING LIVER REGENERATION**  
[54] **METHODE POUR STIMULER LA RÉGÉNÉRATION DU FOIE**  
[72] LAUTT, WILFRED WAYNE, CA  
[71] THE UNIVERSITY OF MANITOBA, CA  
[22] 2001-06-22  
[43] 2001-12-22  
[30] US (60/213,514) 2000-06-22

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December 16, 2001 - December 22, 2001

[21] **2,351,260**  
[13] A1  
[51] **Int.Cl. 7H01S 5/02 7H01S 5/024**  
[25] EN  
[54] **SEMICONDUCTOR LASER MODULE AND METHOD FOR DRIVING THE SEMICONDUCTOR LASER MODULE**  
[54] **MODULE LASER A SEMICONDUCTEURS ET METHODE DE COMMANDE DE CE MODULE**  
[72] KOSEKI, TAKASHI, JP  
[72] FURUHASHI, CHIHOMI, JP  
[72] AIKIYO, TAKESHI, JP  
[71] THE FURUKAWA ELECTRIC CO., LTD., JP  
[22] 2001-06-22  
[43] 2001-12-22  
[30] JP (2000-187976) 2000-06-22  
[30] JP (2000-187977) 2000-06-22

[21] **2,351,275**  
[13] A1  
[51] **Int.Cl. 7C12N 15/12 7A61K 48/00 7C07K 19/00 7A61P 17/00 7C12P 21/00 7C07K 16/18 7C07K 14/47 7C12N 15/62**  
[25] EN  
[54] **USE OF POLYPEPTIDES OR NUCLEIC ACIDS FOR THE DIAGNOSIS OR TREATMENT OF SKIN DISORDERS AND WOUND HEALING AND FOR THE IDENTIFICATION OF PHARMACOLOGICALLY ACTIVE SUBSTANCES**  
[54] **UTILISATION DE POLYPEPTIDES OU D'ACIDES NUCLEIQUES POUR LE DIAGNOSTIC OU LE TRAITEMENT DE MALADIES DE LA PEAU OU LA CICATRISATION DE BLESSURES ET POUR L'IDENTIFICATION DE SUBSTANCES AYANT UNE ACTION PHARMACOLOGIQUE**  
[72] GOPPELT, ANDREAS, DE  
[72] WOLF, ECKHARD, DE  
[72] WERNER, SABINE, SE  
[72] REGENBOGEN, JOHANNES, DE  
[72] HALLE, JORN-PETER, DE  
[71] SWITCH BIOTECH AG, DE  
[22] 2001-06-12  
[43] 2001-12-20  
[30] DE (10030149.5) 2000-06-20  
[30] US (60/222,081) 2000-08-01

[21] **2,351,286**  
[13] A1  
[51] **Int.Cl. 7C23C 16/34 7F01D 5/14**  
[25] EN  
[54] **METHOD OF FINISH TREATING A STEEL BLADE FOR USE IN TURBOMACHINERY**  
[54] **METHODE DE FINITION DE LAME D'ACIER UTILISEE DANS LES TURBOMACHINES**  
[72] ROBERTS, BRUCE WYNN, GB  
[72] JONES, KENNETH ELWYN, GB  
[71] ALSTOM POWER N.V., NL  
[22] 2001-06-21  
[43] 2001-12-21  
[30] GB (0015025.0) 2000-06-21

[21] **2,351,290**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7G06F 17/30**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PARKING A DOMAIN NAME**  
[54] **METHODE ET SYSTEME POUR PREENREGISTRER UN NOM DE DOMAINE**  
[72] GRAY, ERIC, US  
[71] GRAY, ERIC, US  
[22] 2001-06-22  
[43] 2001-12-22  
[30] US (09/599,308) 2000-06-22

[21] **2,351,293**  
[13] A1  
[51] **Int.Cl. 7B63B 35/73 7F01N 7/00 7F01N 7/08 7F01N 7/12 7B63H 21/32**  
[25] EN  
[54] **PERSONAL WATERCRAFT HAVING AN IMPROVED EXHAUST SYSTEM**  
[54] **EMBARCATION COMPRENANT UN CIRCUIT D'ECHAPPEMENT AMELIORE**  
[72] LACHANCE, ROBERT, CA  
[72] PERRON, THOMAS, CA  
[72] MENARD, ERIC, CA  
[72] BOURRET, ROBERT, US  
[72] LECOURS, GAETAN, CA  
[71] BOMBARDIER INC., CA  
[22] 2001-06-22  
[43] 2001-12-22  
[30] US (60/213,242) 2000-06-22  
[30] US (60/242,063) 2000-10-23

[21] **2,351,449**  
[13] A1  
[51] **Int.Cl. 7E01H 1/00**  
[25] EN  
[54] **METHODS AND DEVICES FOR REMOVING DEW FROM GRASS AREAS SUCH AS GOLF COURSES**  
[54] **METHODES ET DISPOSITIFS POUR ENLEVER LA ROSEE DES ZONES HERBEUSES COMME LES TERRAINS DE GOLF**  
[72] RATCLIFFE, ROBERT, US  
[71] RATCLIFFE, ROBERT, US  
[22] 2001-06-22  
[43] 2001-12-22  
[30] US (09/599,119) 2000-06-22

[21] **2,351,485**  
[13] A1  
[51] **Int.Cl. 7C08L 53/02 7C08L 71/12**  
[25] FR  
[54] **MELANGES D'UNE RESINE VINYLE AROMATIQUE ET DE POLYPHENYLENE ETHER A TENUE AU CHOC AMELIOREE**  
[54] **MIXTURES OF AN AROMATIC VINYL RESIN AND POLYPHENYLENE ETHER HAVING IMPROVED IMPACT STRENGTH**  
[72] COURT, FRANCOIS, FR  
[72] LEIBLER, LUDWIK, FR  
[72] BONNET, ANTHONY, FR  
[72] BERTIN, DENIS, FR  
[71] ATOFINA, FR  
[22] 2001-06-20  
[43] 2001-12-20  
[30] FR (0007848) 2000-06-20

[21] **2,351,985**  
[13] A1  
[51] **Int.Cl. 7B65H 18/16 7B65H 27/00**  
[25] EN  
[54] **METHOD AND WINDER FOR CONTINUOUS WINDING OF A MATERIAL WEB**  
[54] **BOBINOIR PERMETTANT L'ENROULEMENT EN CONTINU D'UNE BANDE DE MATERIAU ET METHODE CONNEXE**  
[72] BEISSWANGER, RUDOLF, DE  
[72] WOHLFAHRT, MATTHIAS, DE  
[72] MADRZAK, ZYGMUNT, DE  
[71] VOITH PAPER PATENT GMBH, DE  
[22] 2001-06-19  
[43] 2001-12-20  
[30] DE (10030199.1) 2000-06-20

**Demandes canadiennes mises à la disponibilité du public**  
**16 décembre 2001 - 22 décembre 2001**

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[21] **2,352,701**

[13] A1

[51] **Int.Cl. 7F21V 7/00**

[25] EN

[54] **ROTATING REFLECTOR**

[54] **REFLECTEUR ROTATIF**

[72] PATRICK, ELLIS W., III, US

[71] COOPER INDUSTRIES, INC., US

[22] 2001-06-19

[43] 2001-12-19

[30] US (60/212,647) 2000-06-19

[30] US (09/778,754) 2001-02-08

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[21] **2,352,995**

[13] A1

[51] **Int.Cl. 7F02M 35/024**

[25] EN

[54] **FILTER STRUCTURE**

[54] **FILTRE**

[72] RUMPP, STEFAN, DE

[72] WILLIG, MICHAEL, DE

[71] FILTERWERK MANN & HUMMEL  
GMBH, DE

[22] 2001-06-22

[43] 2001-12-22

[30] US (60/213,238) 2000-06-22

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[21] **2,356,516**

[13] A1

[51] **Int.Cl. 7F24H 9/20**

[25] EN

[54] **PROGRAMMABLE HOT WATER  
THERMOSTAT CONTROL**

[54] **COMMANDE PROGRAMMABLE  
DE THERMOSTAT D'EAU CHAUDE**

[72] RUSSELL, LARRY R., CA

[72] RUSSELL, ELEANOR D., CA

[71] RUSSELL, LARRY R., CA

[71] RUSSELL, ELEANOR D., CA

[22] 2001-08-15

[43] 2001-12-16



**Canadian Laid-Open Applications  
December 16, 2001 - December 22, 2001**

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

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[21] **2,357,027**  
[13] A1

[51] **Int.Cl. 7A61F 6/04**  
[25] EN  
[54] **NEW SAFETY CONDOM**  
[54] **NOUVEAU CONDOM**  
**SECURITAIRE**  
[72] TIRADO ABULLON, SALVADOR, ES  
[71] TIRADO ABULLON, SALVADOR, ES  
[85] 2001-06-13  
[86] 2000-06-22 (PCT/ES00/00220)  
[87] 2001-12-22 ()

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[21] **2,360,275**  
[13] A1

[51] **Int.Cl. 7C07D 207/46 7C07D 259/00**  
**7C07C 269/02**  
[25] FR  
[54] **STABLE ACTIVATED NOVEL**  
**CARBAMIC ACID DERIVATIVES,**  
**PREPARATION METHOD AND USE**  
**FOR PREPARING UREA**  
[54] **NOUVEAUX DERIVES ACTIVES**  
**STABLES D'ACIDE CARBAMIQUE,**  
**LEUR PROCEDE DE PREPARATION**  
**ET LEUR UTILISATION POUR LA**  
**PREPARATION D'UREES**  
[72] GUICHARD, GILLES, FR  
[72] SEMETAY, VINCENT, FR  
[72] BRIAND, JEAN-PAUL, FR  
[72] RODRIGUEZ, MARC (DECEDE), FR  
[71] CENTRE NATIONAL DE LA  
RECHERCHE SCIENTIFIQUE, FR  
[71] NEOSYSTEM, FR  
[85] 2001-07-13  
[86] 2000-01-14 (PCT/FR00/00080)  
[87] 2000-07-20 (WO00/42009)  
[30] FR (99/00330) 1999-01-14

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[21] **2,361,523**  
[13] A1

[51] **Int.Cl. 6G06F 17/30**  
[25] EN  
[54] **A SYSTEM AND METHOD FOR**  
**ACCESSING DATA STORES AS**  
**OBJECTS**  
[54] **SYSTEME ET PROCEDE**  
**PERMETTANT D'ACCEDER A DES**  
**MEMOIRES DE DONNEES SOUS**  
**FORME D'OBJETS**  
[72] MULLINS, WARD, US  
[71] THOUGHT INC., US  
[85] 1999-10-18  
[86] 1998-03-16 (PCT/US98/05131)  
[87] 1999-10-14 (WO99/52044)  
[30] US (08/822,254) 1997-03-20

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[21] **2,361,557**  
[13] A1

[51] **Int.Cl. 7B60P 7/08**  
[25] EN  
[54] **MOVABLE CONTAINER LOCK**  
**FOR SHIPPING CONTAINERS**  
[54] **VERROU MOBILE DESTINE A DES**  
**CONTENEURS D'EXPEDITION**  
[72] DEKONING, TODD J., US  
[71] HOLLAND COMPANY, US  
[85] 2001-07-23  
[86] 2000-12-01 (PCT/US00/42529)  
[87] 2001-06-14 (WO01/42043)  
[30] US (60/168,922) 1999-12-03

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[21] **2,361,885**  
[13] A1

[51] **Int.Cl. 7A61K 31/565 7A61K 31/57**  
[25] FR  
[54] **UTILISATION D'HORMONES**  
**SEXUELLES POUR L'OBTENTION**  
**D'UNE COMPOSITION**  
**PHARMACEUTIQUE NASALE UTILE**  
**POUR LE TRAITEMENT DES**  
**SAIGNEMENTS UTERINS**  
**INDESIRABLES**  
[54] **USE OF SEX HORMONES TO**  
**OBTAIN A NASAL PHARMACEUTICAL**  
**COMPOSITION THAT IS USEFUL IN**  
**THE TREATMENT OF UNDESIRABLE**  
**UTERINE BLEEDING**  
[72] TSOUDEROS, YANNIS, FR  
[71] ADIR ET COMPAGNIE, FR  
[85] 2001-08-27  
[86] 2000-03-30 (PCT/FR00/00790)  
[87] 2000-10-12 (WO00/59447)  
[30] FR (99/04022) 1999-03-31

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[21] **2,362,143**  
[13] A1

[51] **Int.Cl. 7E02D 5/64**  
[25] EN  
[54] **REPAIR OF HOLLOW TUBULAR**  
**STRUCTURES**  
[54] **REPARATION DE STRUCTURES**  
**CREUSES TUBULAIRES**  
[72] POTTS, ANDREW ELMHIRST, AU  
[72] SINCOCK, PAUL, AU  
[71] AMOG TECHNOLOGIES PTY, LTD.,  
AU  
[85] 2001-08-21  
[86] 2000-02-21 (PCT/AU00/00120)  
[87] 2000-08-31 (WO00/50697)  
[30] AU (PP 8821) 1999-02-22

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[21] **2,362,147**  
[13] A1  
[51] **Int.Cl. 7C07D 281/02 7A61P 3/06 7C07D 417/12 7A61K 31/55**  
[25] EN  
[54] **1,2-BENZOTHIAZEPINES FOR THE TREATMENT OF HYPERLIPIDEMIC DISEASES**  
[54] **NOUVELLES BENZOTHIAZEPINES-1,2 PRESENTANT UNE ACTIVITE D'INHIBITION DE TRANSPORT D'ACIDE BILIAIRE ILEAL ET D'ABSORPTION DE TAUROCHOLATE**  
[72] KOLODZIEJ, STEVE A., US  
[72] REITZ, DAVID B., US  
[72] TOLLEFSON, MICHAEL B., US  
[71] G.D. SEARLE LLC, US  
[85] 2001-08-03  
[86] 2000-02-10 (PCT/US00/02503)  
[87] 2000-08-17 (WO00/47568)  
[30] US (60/119,933) 1999-02-12

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[21] **2,362,262**  
[13] A1  
[51] **Int.Cl. 7C09K 5/04 7C11D 7/50**  
[25] EN  
[54] **AZEOTROPE-LIKE COMPOSITIONS OF 1,1,1,3,3-PENTAFLUOROBUTANE**  
[54] **COMPOSITIONS DE 1,1,1,3,3-PENTAFLUOROBUTANE, DE TYPE AZEOTROPE**  
[72] TATTERSALL, THOMAS L., US  
[72] SCHWEITZER, MELODIE A., US  
[72] MINOR, BARBARA HAVILAND, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2001-08-07  
[86] 2000-03-22 (PCT/US00/07520)  
[87] 2000-09-28 (WO00/56833)  
[30] US (60/125,511) 1999-03-22  
[30] US (09/528,962) 2000-03-21

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[21] **2,362,263**  
[13] A1  
[51] **Int.Cl. 7A61K 9/16 7C08G 81/00 7A61K 9/50 7C08G 63/664**  
[25] EN  
[54] **BIODEGRADABLE COMPOSITE MATERIAL FOR THE PRODUCTION OF MICROCAPSULES**  
[54] **MATERIAUX COMPOSITES BIODEGRADABLES POUR LA FABRICATION DE MICROCAPSULES**  
[72] HEINRICH, HANS-WERNER, DE  
[72] MEYER, UDO, DE  
[72] TELLER, JOACHIM, DE  
[72] TELLER, MARIANNE, DE  
[71] BIOSERV AG, DE  
[85] 2001-08-20  
[86] 2000-02-20 (PCT/DE00/00526)  
[87] 2000-08-24 (WO00/48573)  
[30] DE (199 07 227.2) 1999-02-19

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[21] **2,362,264**  
[13] A1  
[51] **Int.Cl. 7C07K 14/715 7C07K 16/24 7A61K 39/395**  
[25] EN  
[54] **CYTOKINE-BINDING DOMAIN**  
[54] **DOMAINE DE FIXATION A LA CYTOKINE**  
[72] LOPEZ, ANGEL FRANCISCO, AU  
[72] PARKER, MICHAEL WILLIAM, AU  
[72] WOODCOCK, JOANNA MAY, AU  
[72] ROSSJOHN, JAMIE, AU  
[72] MCKINSTRY, WILLIAM JOHN, AU  
[72] BAGLEY, CHRISTOPHER JAMES, AU  
[71] ST VINCENTS INSTITUTE OF MEDICAL RESEARCH, AU  
[71] MEDVET SCIENCE PTY. LTD., AU  
[85] 2001-08-08  
[86] 2000-02-08 (PCT/AU00/00079)  
[87] 2000-08-17 (WO00/47620)  
[30] AU (PP 8576) 1999-02-08  
[30] AU (PP 8577) 1999-02-09  
[30] AU (PQ 0264) 1999-05-11

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[21] **2,362,271**  
[13] A1  
[51] **Int.Cl. 7A61K 31/23 7A61P 9/10**  
[25] EN  
[54] **ESSENTIAL FATTY ACIDS IN THE PREVENTION OF CARDIOVASCULAR EVENTS**  
[54] **ACIDES GRAS ESSENTIELS DESTINES A LA PREVENTION D'ACCIDENTS CARDIO-VASCULAIRES**  
[72] PAMPARANA, FRANCO, IT  
[71] PHARMACIA & UPJOHN S.P.A., IT  
[85] 2001-08-16  
[86] 2000-02-07 (PCT/EP00/00957)  
[87] 2000-08-24 (WO00/48592)  
[30] IT (MI99A000313) 1999-02-17

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[21] **2,362,273**  
[13] A1  
[51] **Int.Cl. 7A61K 31/55 7A61P 9/12**  
[25] EN  
[54] **MEDICAMENT FOR TREATING HYPERTENSION**  
[54] **MEDICAMENT POUR LE TRAITEMENT DE L'HYPERTENSION ARTERIELLE**  
[72] THORMAHLEN, DIRK, DE  
[72] WALDECK, HARALD, DE  
[72] WILKINS, MARTIN R., GB  
[71] SOLVAY PHARMACEUTICALS GMBH, DE  
[85] 2001-08-14  
[86] 2000-02-10 (PCT/EP00/01068)  
[87] 2000-08-24 (WO00/48601)  
[30] DE (199 06 310.9) 1999-02-16

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[21] **2,362,277**  
[13] A1  
[51] **Int.Cl. 7A61K 9/107 7A61K 31/553**  
[25] EN  
[54] **SPONTANEOUSLY DISPERSIBLE N-BENZOYL STAUROSPORINE COMPOSITIONS**  
[54] **COMPOSITIONS SPONTANEMENT DISPERSIBLES DE N-BENZOYL STAUROSPORINE**  
[72] HABERLIN, BARBARA, CH  
[72] MATTHEWS, GRAHAM PAUL, GB  
[71] NOVARTIS AG, CH  
[85] 2001-08-14  
[86] 2000-02-14 (PCT/EP00/01196)  
[87] 2001-08-14 (WO00/48571)  
[30] GB (9903547.9) 1999-02-16

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|---|--|--|
| <p style="text-align: center;">[21] <b>2,362,281</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/198 7A61P 27/00 7A61P 35/00 7A61P 19/02 7A61K 45/06 7A61P 17/06 7A61P 9/10 7A61K 31/195 7A61K 31/44 7A61K 31/66</b></p> <p>[25] EN<br/>[54] <b>COMBINATIONS FOR THE TREATMENT OF DISEASES INVOLVING ANGIOGENESIS</b><br/>[54] <b>COMBINAISONS POUR TRAITER LES MALADIES FAISANT INTERVENIR L'ANGIOGENESE</b><br/>[72] DAVIS, PETER DAVID, GB<br/>[71] ANGIOGENE PHARMACEUTICALS LTD., GB<br/>[85] 2001-08-13<br/>[86] 2000-02-15 (PCT/GB00/00511)<br/>[87] 2000-08-24 (WO00/48591)<br/>[30] GB (9903404.3) 1999-02-16</p>                      | <p style="text-align: center;">[21] <b>2,362,299</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 9/70 7A61K 7/00 7A61K 47/10 7A61K 47/30</b></p> <p>[25] EN<br/>[54] <b>SHEET-FORM ADHESIVE PREPARATION</b><br/>[54] <b>PREPARATION D'ADHESIVE FORMANT FEUILLE</b><br/>[72] KOSE, YASUHISA, JP<br/>[72] HIRANO, MUNEHICO, JP<br/>[72] MUTA, KAZUNORI, JP<br/>[71] HISAMITSU PHARMACEUTICAL CO., INC., JP<br/>[85] 2001-08-16<br/>[86] 2000-02-18 (PCT/JP00/00931)<br/>[87] 2000-08-24 (WO00/48580)<br/>[30] JP (11/41560) 1999-02-19</p>  | <p style="text-align: center;">[21] <b>2,362,328</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7B67D 5/00</b></p> <p>[25] EN<br/>[54] <b>SELF-PUNCTURING CARTRIDGE NOZZLE</b><br/>[54] <b>BUSE AUTO-PERFORANTE DE CARTOUCHE</b><br/>[72] JACKMAN, PAUL D., US<br/>[71] JACKMAN, PAUL D., US<br/>[85] 2001-08-10<br/>[86] 2000-02-10 (PCT/US00/03446)<br/>[87] 2000-08-17 (WO00/47515)<br/>[30] US (09/248,425) 1999-02-11</p>                         |
| <p style="text-align: center;">[21] <b>2,362,288</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/385 7A61P 35/00 7A61K 31/375</b></p> <p>[25] EN<br/>[54] <b>USE OF LIPOIC ACID COMBINATION WITH ASCORBIC ACID IN THE TREATMENT OF CANCER</b><br/>[54] <b>UTILISATION D'UNE COMBINAISON D'ACIDE LIPOIQUE ET D'ACIDE ASCORBIQUE AFIN DE TRAITER LE CANCER</b><br/>[72] RIORDAN, NEIL H., US<br/>[72] CASCIARI, JOSEPH, US<br/>[71] THE CENTER FOR THE IMPROVEMENT OF HUMAN FUNCTIONING INTERNATIONAL, INC., US<br/>[85] 2001-07-25<br/>[86] 2000-02-11 (PCT/US00/03656)<br/>[87] 2000-08-24 (WO00/48594)<br/>[30] US (09/249,872) 1999-02-16</p> | <p style="text-align: center;">[21] <b>2,362,303</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C07K 5/062 7A61P 19/00 7A61K 38/05</b></p> <p>[25] EN<br/>[54] <b>GROWTH HORMONE SECRETAGOGUES</b><br/>[54] <b>SECRETAGOGUES D'HORMONE DE CROISSANCE</b><br/>[72] LUGAR, CHARLES WILLIS III, US<br/>[72] DODGE, JEFFREY ALAN, US<br/>[71] ELI LILLY &amp; COMPANY, US<br/>[85] 2001-07-26<br/>[86] 2000-02-18 (PCT/US00/04274)<br/>[87] 2000-08-24 (WO00/49037)<br/>[30] US (60/120,813) 1999-02-19</p>   | <p style="text-align: center;">[21] <b>2,362,329</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C02F 1/56</b></p> <p>[25] EN<br/>[54] <b>METHOD FOR TREATMENT OF WASTE WATER</b><br/>[54] <b>PROCEDE DE TRAITEMENT DES EAUX USEES</b><br/>[72] SMITH, GEORGE A., US<br/>[71] HUNTSMAN PETROCHEMICAL CORPORATION, US<br/>[85] 2001-08-09<br/>[86] 2000-02-11 (PCT/US00/03685)<br/>[87] 2000-08-17 (WO00/47524)<br/>[30] US (60/119,649) 1999-02-11</p> |
| <p style="text-align: center;">[21] <b>2,362,327</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H02J 7/00 7H01M 2/10</b></p> <p>[25] EN<br/>[54] <b>EXTERNAL POWER SUPPLY DEVICE</b><br/>[54] <b>DISPOSITIF D'ALIMENTATION EXTERIEUR</b><br/>[72] OOTORI, YASUHIRO, JP<br/>[71] SONY COMPUTER ENTERTAINMENT INC., JP<br/>[85] 2001-07-18<br/>[86] 2000-01-18 (PCT/JP00/00188)<br/>[87] 2000-07-20 (WO00/42692)<br/>[30] JP (11/9936) 1999-01-18</p>  | <p style="text-align: center;">[21] <b>2,362,330</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/40 7A61K 38/00 7C07K 14/00 7A61K 35/14 7A61K 38/16 7A61K 38/17 7C07K 14/435 7A61K 38/46</b></p> <p>[25] EN<br/>[54] <b>A NOVEL ANTI-ANGIOGENIC AGENT COMPRISING AT LEAST ONE KRINGLE REGION AND AN UPSTREAM PRE-ACTIVATION DOMAIN OF PLASMINOGEN</b><br/>[54] <b>NOUVEL AGENT ANTI-ANGIOGENIQUE COMPRENANT AU MOINS UNE REGION DE BOUCLE ET UN DOMAINE AMONT DE PREAMPLIFICATION DE PLASMINOGENE</b><br/>[72] KONDRI, MOHAMMAD EGHTEGARZADEH, US<br/>[72] JI, WEIDONG-RICHARD, US<br/>[72] TRAIL, PAMELA A., US<br/>[71] BRISTOL-MYERS SQUIBB COMPANY, US<br/>[85] 2001-08-03<br/>[86] 2000-02-08 (PCT/US00/03264)<br/>[87] 2000-08-24 (WO00/48595)<br/>[30] US (60/120,371) 1999-02-17</p> |  |

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[21] **2,362,334**

[13] A1

[51] **Int.Cl. 7A61K 31/551 7C07D 281/02 7C07D 471/02 7C07D 487/02 7C07D 498/02 7C07D 513/02 7C07D 515/02 7C07D 273/06 7C07D 291/08 7A61P 19/08 7C07D 243/10 7A61P 9/10 7C07D 267/12 7C07D 471/12 7C07D 487/12 7C07D 498/12 7C07D 513/12 7C07D 515/12 7C07D 223/18 7C07D 285/36 7C07D 243/38 7A61K 31/553 7A61K 31/554**

[25] EN

[54] **DIBENZO-AZEPINE DERIVATIVES AS .ALPHA.V INTEGRIN RECEPTOR ANTAGONISTS**

[54] **DERIVES DE LA DIBENZO-AZEPINE EN TANT**

**QU'ANTAGONISTES DU RECEPTEUR .ALPHA.V INTEGRINE**

[72] PATANE, MICHAEL A., US

[72] NEWTON, RANDALL C., US

[71] MERCK & CO., INC., US

[85] 2001-08-10

[86] 2000-02-14 (PCT/US00/03796)

[87] 2000-08-24 (WO00/48603)

[30] US (60/120,564) 1999-02-17

[21] **2,362,355**

[13] A1

[51] **Int.Cl. 7A61K 31/08 7A61K 47/34**

[25] EN

[54] **EFFERVESCENT LAXATIVES**

[54] **LAXATIFS EFFERVESCENTS**

[72] DAGGY, BRUCE P., GB

[72] MANDEL, KENNETH G., US

[71] SMITHKLINE BEECHAM CORPORATION, US

[85] 2001-08-21

[86] 2000-02-22 (PCT/US00/04701)

[87] 2000-08-24 (WO00/48585)

[30] US (60/121,089) 1999-02-22

[21] **2,362,356**

[13] A1

[51] **Int.Cl. 7A61K 9/16 7A61K 9/20**

[25] EN

[54] **ELEGANT FILM COATING**

**SYSTEM**

[54] **SYSTEME D'ENROBAGE PAR FILM BRILLANT**

[72] FEGELY, KURT, A., US

[72] KORCHOK, BRIAN D., US

[72] PORTER, STUART C., US

[72] VESEY, CHARLES F., US

[72] STEFFENINO, RITA M., US

[71] BERWIND PHARMACEUTICAL SERVICES, INC., US

[85] 2001-08-20

[86] 2000-02-18 (PCT/US00/04980)

[87] 2000-08-24 (WO00/48574)

[30] US (09/255,542) 1999-02-22

[30] US (09/285,115) 1999-04-01

[30] US (09/480,969) 2000-01-14

[21] **2,362,360**

[13] A1

[51] **Int.Cl. 7H02K 1/22 7H02K 3/00**

**7H02K 16/00 7H02K 3/04 7H02K 1/12**

**7H02K 3/46**

[25] EN

[54] **MACHINE WITH CUP-SHAPED ARMATURE AND AIR GAP**

[54] **MACHINE A ARMATURE ET A ENTREFER EN FORME DE COUPELLE**

[72] DUNN, STANLEY E., US

[71] RUSH HOLDINGS, INC, US

[85] 2001-06-19

[86] 1999-12-22 (PCT/US99/30785)

[87] 2000-06-29 (WO00/38297)

[30] US (60/113,225) 1998-12-22

[21] **2,362,389**

[13] A1

[51] **Int.Cl. 7C07D 401/06 7C07D 457/02**

**7C07D 221/08 7C07D 451/08 7C07D 401/**

**14 7A61P 25/28 7A61K 31/435**

[25] EN

[54] **PIPERIDINE AND PIPERAZINE DERIVATIVES AS INHIBITORS OF THE ABETA FIBRIL FORMATION**

[54] **DERIVES DE LA PIPERIDINE AND PIPERAZINE INHIBITEURS DE LA**

**FORMATION DES FIBRILLES A.BETA.**

[72] FREY, PETER, CH

[72] LUOND, RAINER MARTIN, CH

[72] BANZIGER, MARKUS, CH

[71] NOVARTIS AG, CH

[85] 2001-08-09

[86] 2000-02-08 (PCT/EP00/01000)

[87] 2000-08-17 (WO00/47571)

[30] GB (9902938.1) 1999-02-10

[21] **2,362,390**

[13] A1

[51] **Int.Cl. 7C07D 417/04 7A61P 43/00 7C07D 409/04 7C07D 413/04 7C07D 409/12 7C07D 417/12 7C07D 417/14 7C07D 333/38 7A61K 31/381 7A61K 31/426**

[25] EN

[54] **HETEROARYL AMIDINES, METHYLAMIDINES AND GUANIDINES AS PROTEASE INHIBITORS**

[54] **AMIDINES, METHYLAMIDINES ET GUANIDINES, HETEROARYLES, EN TANT QU'INHIBITEURS DE PROTEASES**

[72] MARUGAN, JUAN, JOSE, US

[72] RUDOLPH, M., JONATHAN, US

[72] WILSON, KENNETH, J., US

[72] SUBASINGHE, NALIN, L., US

[72] ILLIG, CARL, R., US

[72] HOFFMAN, JAMES, B., US

[71] 3-DIMENSIONAL

PHARMACEUTICALS, INC., US

[85] 2001-08-07

[86] 1999-08-11 (PCT/US99/18065)

[87] 2000-08-17 (WO00/47578)

[30] US (09/247,062) 1999-02-09

[21] **2,362,392**

[13] A1

[51] **Int.Cl. 7C07D 401/14 7A61K 31/395**

[25] EN

[54] **HETEROCYCLIC DERIVATIVES AS INHIBITORS OF FACTOR XA**

[54] **DERIVES HETEROCYCLIQUES FAISANT OFFICE D'INHIBITEURS DU**

**FACTEUR XA**

[72] CAULKETT, PETER WILLIAM

RODNEY, GB

[71] ASTRAZENECA AB, SE

[85] 2001-08-10

[86] 2000-02-08 (PCT/GB00/00354)

[87] 2000-08-17 (WO00/47573)

[30] GB (9902989.4) 1999-02-11

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[21] **2,362,394**  
[13] A1  
[51] **Int.Cl. 7C07D 401/14 7C07D 401/06 7C07D 409/14 7A61K 31/47**  
[25] EN  
[54] **HETEROARYL-SUBSTITUTED QUINOLIN-2-ONE DERIVATIVES USEFUL AS ANTICANCER AGENTS**  
[54] **DERIVES DE QUINOLIN-2-ONE A SUBSTITUTION HETEROARYLE CONVENANT COMME ANTI-CANCEREUX**  
[72] YANG, BINGWEI VERA, US  
[71] PFIZER PRODUCTS INC., US  
[85] 2001-08-10  
[86] 2000-02-04 (PCT/IB00/00121)  
[87] 2000-08-17 (WO00/47574)  
[30] US (60/119,702) 1999-02-11

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[21] **2,362,398**  
[13] A1  
[51] **Int.Cl. 7G02B 6/12 7G02B 26/00 7G02F 1/313**  
[25] EN  
[54] **OPTICAL WAVEGUIDE WAVELENGTH FILTER WITH RING RESONATOR AND 1XN OPTICAL WAVEGUIDE WAVELENGTH FILTER**  
[54] **FILTRE DE LONGUEUR D'ONDE POUR GUIDE D'ONDES OPTIQUES AVEC RESONATEUR EN ANNEAU ET FILTRE 1XN DE LONGUEUR D'ONDE POUR GUIDE D'ONDES OPTIQUES**  
[72] PAN, WUGEN, JP  
[72] LITTLE, BRENT E., US  
[72] CHU, SAI TAK, CA  
[72] SATO, SHINYA, JP  
[72] KOKUBUN, YASUO, JP  
[72] KANEKO, TARO, JP  
[71] KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY, JP  
[85] 2001-08-08  
[86] 2000-02-09 (PCT/JP00/00701)  
[87] 2000-08-17 (WO00/48026)  
[30] JP (11/31072) 1999-02-09

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[21] **2,362,400**  
[13] A1  
[51] **Int.Cl. 7C07D 487/04 7C07D 237/00 7C07D 249/00 7A61P 25/00 7C07F 7/18 7A61K 31/5025**  
[25] EN  
[54] **TRIAZOLO-PYRIDAZINE DERIVATIVES AS LIGANDS FOR GABA RECEPTORS**  
[54] **DERIVES DE LA TRIAZOLO-PYRIDAZINE, LIANTS DES RECEPTEURS DU GABA**  
[72] MITCHINSON, ANDREW, GB  
[72] RUSSELL, MICHAEL GEOFFREY NEIL, GB  
[72] STREET, LESLIE JOSEPH, GB  
[72] CARLING, WILLIAM ROBERT, GB  
[71] MERCK SHARP & DOHME LIMITED, GB  
[85] 2001-08-08  
[86] 2000-02-02 (PCT/GB00/00308)  
[87] 2000-08-17 (WO00/47582)  
[30] GB (9903119.7) 1999-02-11

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[21] **2,362,401**  
[13] A1  
[51] **Int.Cl. 7C07D 213/75 7A61P 25/00 7A61P 29/00 7C07D 405/14 7C07D 409/14 7A61K 31/16 7A61K 31/4427 7C07D 213/65 7C07C 233/75 7C07D 213/81 7C07D 213/82**  
[25] EN  
[54] **G-PROTEIN COUPLED HEPTAHELICAL RECEPTOR BINDING COMPOUNDS AND METHODS OF USE THEREOF**  
[54] **COMPOSES DE FIXATION AU RECEPTEUR HEPTAHELICOIDAL COUPLE A LA PROTEINE G ET LEURS PROCEDES D'UTILISATION**  
[72] SHIOSAKI, KAZUMI, US  
[72] FLEMING, PAUL, US  
[71] MILLENNIUM PHARMACEUTICALS, INC., US  
[85] 2001-08-07  
[86] 2000-02-03 (PCT/US00/03042)  
[87] 2000-08-10 (WO00/46203)  
[30] US (60/118,893) 1999-02-04

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[21] **2,362,406**  
[13] A1  
[51] **Int.Cl. 7F41H 5/04**  
[25] EN  
[54] **BALLISTIC ARMOR PANEL**  
[54] **PLAQUE DE BLINDAGE ANTI-PROJECTILES**  
[72] YESHURUN, YEHOASHUA, IL  
[71] RAFEL ARMAMENT DEVELOPMENT AUTHORITY LTD., IL  
[85] 2001-08-07  
[86] 1999-11-12 (PCT/IL99/00609)  
[87] 2000-08-17 (WO00/47944)  
[30] IL (128441) 1999-02-09

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[21] **2,362,407**  
[13] A1  
[51] **Int.Cl. 7A63C 17/00**  
[25] EN  
[54] **ADJUSTABLE INLINE SKATE MECHANISM**  
[54] **MECANISME DE REGLAGE POUR PATIN A ROULETTES EN LIGNE**  
[72] SANTARSIERO, PAUL S., US  
[71] BROOKFIELD INTERNATIONAL, INC., US  
[85] 2001-08-10  
[86] 2000-02-11 (PCT/US00/03610)  
[87] 2000-08-17 (WO00/47295)  
[30] US (60/119,860) 1999-02-12

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[21] **2,362,414**  
[13] A1  
[51] **Int.Cl. 7C12N 15/10 7G01N 33/50 7C12Q 1/68**  
[25] EN  
[54] **METHODS AND REAGENTS FOR IDENTIFYING SYNTHETIC GENETIC ELEMENTS**  
[54] **METHODES ET REACTIFS PERMETTANT D'IDENTIFIER DES ELEMENTS GENETIQUES SYNTHETIQUES**  
[72] GYURIS, JENO, US  
[71] GPC BIOTECH, INC., US  
[85] 2001-08-29  
[86] 2000-03-10 (PCT/US00/06385)  
[87] 2000-09-14 (WO00/53743)  
[30] US (60/123,924) 1999-03-12

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## PCT Applications Entering the National Phase

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| <p style="text-align: right;">[21] <b>2,362,417</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12N 9/10</b><br/>[25] EN<br/>[54] <b>CLASS II DNA METHYLTRANSFERASES OF ZEA MAYS</b><br/>[54] <b>ADN METHYLTRANSFERASES DE CLASSE II DE ZEA MAYS</b><br/>[72] PAPA, CHARLES MARVIN, US<br/>[72] MUSZYNSKI, MICHAEL GERARD, US<br/>[72] SPRINGER, NATHAN MICHAEL, US<br/>[72] KAEPLER, SHAWN M., US<br/>[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US<br/>[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US<br/>[71] PIONEER HI-BRED INTERNATIONAL, INC., US<br/>[85] 2001-08-23<br/>[86] 2000-03-10 (PCT/US00/06456)<br/>[87] 2000-09-14 (WO00/53732)<br/>[30] US (60/123,888) 1999-03-11<br/>[30] US (60/169,858) 1999-12-09</p> | <p style="text-align: right;">[21] <b>2,362,439</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61F 2/06</b><br/>[25] EN<br/>[54] <b>ENDOLUMINAL CARDIAC AND VENOUS VALVE PROSTHESES AND METHODS OF MANUFACTURE AND DELIVERY THEREOF</b><br/>[54] <b>PROTHESES ENDOLUMINALES DES VALVULES CARDIAQUES ET VEINEUSES, ET PROCEDES DE FABRICATION ET D'ACHEMINEMENT CORRESPONDANTS</b><br/>[72] BOYLE, CHRISTOPHER T., US<br/>[72] BAILEY, STEVEN R., US<br/>[71] ADVANCED BIO PROSTHETIC SURFACES, LTD., US<br/>[85] 2001-08-28<br/>[86] 2000-12-18 (PCT/US00/34591)<br/>[87] 2001-07-12 (WO01/49213)<br/>[30] US (09/477,120) 1999-12-31</p> | <p style="text-align: right;">[21] <b>2,362,454</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12N 15/86 7A61K 48/00 7C12N 15/34</b><br/>[25] FR<br/>[54] <b>VECTEURS ET VACCINS VIRAUX A BASE D'ADENOVIRUS PORCINS RECOMBINES</b><br/>[54] <b>RECOMBINED PORCINE ADENOVIRUS BASED VIRAL VACCINES AND VECTORS</b><br/>[72] ELOIT, MARC, FR<br/>[72] KLONJKOWSKI, BERNARD GEORGES, FR<br/>[71] ECOLE NATIONALE VETERINAIRE DE MAISONS ALFORT, FR<br/>[71] MERIAL, FR<br/>[85] 2001-08-09<br/>[86] 2000-02-08 (PCT/FR00/00294)<br/>[87] 2000-08-17 (WO00/47756)<br/>[30] FR (99/01813) 1999-02-11</p> |
| <p style="text-align: right;">[21] <b>2,362,422</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12N 15/10 7C12N 9/00 7C07K 14/47 7C07K 14/705</b><br/>[25] EN<br/>[54] <b>POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY</b><br/>[54] <b>POLYNUCLEOTIDES ET PROTEINES CODEES PAR CEUX-CI</b><br/>[72] SHIMKETS, RICHARD A., US<br/>[71] CURAGEN CORPORATION, US<br/>[85] 2001-08-30<br/>[86] 2000-03-09 (PCT/US00/06280)<br/>[87] 2000-09-14 (WO00/53742)<br/>[30] US (60/123,667) 1999-03-09<br/>[30] US (09/520,781) 2000-03-08</p>   | <p style="text-align: right;">[21] <b>2,362,450</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7G06F 1/00</b><br/>[25] EN<br/>[54] <b>ELECTRONIC SECURITY TECHNIQUE FOR GAMING SOFTWARE</b><br/>[54] <b>PROCEDE DE SECURITE ELECTRONIQUE POUR UN LOGICIEL DE JEU</b><br/>[72] GIFFORD, DARIN T., US<br/>[72] GINSBURG, ALEC, US<br/>[72] PIECHOWIAK, ROBERT J., US<br/>[71] SIGMA GAME, INC., US<br/>[85] 2001-08-30<br/>[86] 2000-12-29 (PCT/US00/35688)<br/>[87] 2001-07-12 (WO01/50230)<br/>[30] US (09/476,915) 2000-01-04</p>  | <p style="text-align: right;">[21] <b>2,362,461</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C10L 1/32</b><br/>[25] EN<br/>[54] <b>COMPOSITIONS FOR PREPARING WATER-IN-OIL MICROEMULSIONS</b><br/>[54] <b>COMPOSITIONS DESTINEES A LA PREPARATION DE MICROEMULSIONS EAU-DANS-HUILE</b><br/>[72] MARTIN, DAVID, GB<br/>[72] ABU-JAWDEH, PAULINE, GB<br/>[71] ABU-JAWDEH, PAULINE, GB<br/>[85] 2001-09-04<br/>[86] 2000-03-06 (PCT/GB00/00800)<br/>[87] 2000-09-14 (WO00/53699)<br/>[30] GB (9905099.9) 1999-03-06<br/>[30] GB (9916754.6) 1999-07-17</p>  |

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[21] **2,362,479**  
[13] A1

[51] **Int.Cl. 7A61K 7/06**  
[25] EN  
[54] **AEROSOL HAIR SPRAY COMBINATIONS COMPRISING COMBINATIONS OF SILICONE-GRAFTED COPOLYMERS**  
[54] **COMPOSITIONS DE LAQUES CAPILLAIRES AEROSOL COMPRENANT DES COMBINAISONS DE COPOLYMERES GREFFES AU SILICONE**  
[72] HUTCHINS, THOMAS ALLEN, US  
[72] CARBALLADA, JOSE ANTONIO, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-23  
[86] 2000-02-29 (PCT/US00/05297)  
[87] 2000-09-08 (WO00/51557)  
[30] US (09/263,014) 1999-03-05

[21] **2,362,480**  
[13] A1

[51] **Int.Cl. 7A61K 9/00 7A61K 47/10 7A61K 9/107 7A61K 47/12 7A61P 25/18 7A61K 31/40 7A61K 47/44 7A61K 31/445**  
[25] FR  
[54] **COMPOSITIONS PHARMACEUTIQUES POUR L'ADMINISTRATION ORALE COMPRENANT UN BENZAMIDE ET AU MOINS UN PROMOTEUR D'ABSORPTION**  
[54] **PHARMACEUTICAL COMPOSITIONS FOR ORAL ADMINISTRATION COMPRISING A BENZAMIDE AND AT LEAST AN ABSORPTION PROMOTER**  
[72] ANDRE, FREDERIC, FR  
[72] CHARLIER, ANNE, FR  
[72] LEWIS, GARETH, FR  
[72] GILLET, GERARD, FR  
[72] JAUME, CECILE, FR  
[72] DUFOUR, ALAIN, FR  
[71] SANOFI-SYNTHELABO, FR  
[85] 2001-08-28  
[86] 2000-03-01 (PCT/FR00/00504)  
[87] 2000-09-08 (WO00/51563)  
[30] FR (99/02680) 1999-03-04

[21] **2,362,483**  
[13] A1

[51] **Int.Cl. 7G01N 33/86 7C12Q 1/37**  
[25] EN  
[54] **TEST KIT FOR ANALYSING FACTOR VIII-SPLITTING PROTEASE**  
[54] **KIT DE TEST POUR L'ANALYSE DE LA PROTEASE CLIVANT LE FACTEUR VIII**  
[72] GERRITSEN, HELENA E., CH  
[72] FURLAN, MIHA, CH  
[72] TURECEK, PETER, AT  
[72] VARADI, KATALIN, AT  
[72] SCHWARZ, HANS-PETER, AT  
[72] SIEKMANN, JURGEN, AT  
[72] LAMMLE, BERNHARD, CH  
[71] BAXTER AKTIENGESELLSCHAFT, AT  
[85] 2001-08-23  
[86] 2000-02-23 (PCT/AT00/00049)  
[87] 2000-08-31 (WO00/50904)  
[30] AT (GM 132/99) 1999-02-25

[21] **2,362,486**  
[13] A1

[51] **Int.Cl. 7G01N 33/48 7G01N 33/487**  
[25] EN  
[54] **ISOLATING A CYTOPLASMIC FRACTION WITHOUT IMPAIRING THE VIABILITY OF OOCYTES AND EMBRYONIC CELLS**  
[54] **ISOLEMENT D'UNE FRACTION CYTOPLASMIQUE SANS ALTERATION DE LA VIABILITE DES CELLULES OVOCYTES ET EMBRYONNAIRES**  
[72] JANSEN, ROBERT, AU  
[72] DE BOER, KYLIE, AU  
[71] SYDNEY IVF PTY LTD., AU  
[85] 2001-08-08  
[86] 2000-02-23 (PCT/AU00/00125)  
[87] 2000-08-31 (WO00/50895)  
[30] AU (PP 8841) 1999-02-23

[21] **2,362,487**  
[13] A1

[51] **Int.Cl. 7A61K 31/00 7A61K 31/43 7A61K 31/48 7A61K 31/545**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF STAPHYLOCOCCAL INFECTION**  
[54] **COMPOSITIONS ET METHODES POUR TRAITER LES INFECTIONS STAPHILOCOCCIQUES**  
[72] MURPHY, ELLEN, US  
[72] ARCHER, GORDON, US  
[72] CLIMO, MICHAEL, US  
[71] AMBI INC., US  
[85] 2001-09-04  
[86] 2000-03-03 (PCT/US00/05464)  
[87] 2000-09-08 (WO00/51588)  
[30] US (09/263,776) 1999-03-05

[21] **2,362,488**  
[13] A1

[51] **Int.Cl. 7A61P 1/00 7A61P 1/04 7A61K 45/06 7A61K 31/445**  
[25] EN  
[54] **METHODS AND COMPOSITIONS USING (-) NORCISAPRIDE IN COMBINATION WITH PROTON PUMP INHIBITORS OR H2 RECEPTOR ANTAGONISTS**  
[54] **PROCEDES ET COMPOSITIONS DESTINES A L'UTILISATION DE NORCISAPRIDE (-) EN COMBINAISON AVEC DES INHIBITEURS DE POMPES A PROTONS OU DES ANTAGONISTES DU RECEPTEUR DE H2**  
[72] RUBIN, PAUL D., US  
[72] BARBERICH, TIMOTHY J., US  
[71] SEPRACOR INC., US  
[85] 2001-08-28  
[86] 2000-03-01 (PCT/US00/05167)  
[87] 2000-09-08 (WO00/51584)  
[30] US (60/122,393) 1999-03-02



## PCT Applications Entering the National Phase

[21] **2,362,489**  
[13] A1

[51] **Int.Cl. 7A61K 31/19**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF NEUROPATHIC PAIN, TINNITUS, AND OTHER DISORDERS USING R(-)-KETOPROFEN**  
[54] **PROCEDES ET COMPOSITIONS DE TRAITEMENT DE DOULEURS NEUROPATHIQUES, DE BOURDONNEMENT D'OREILLES ET D'AUTRES TROUBLES, AU MOYEN DE R(-)-KETOPROFENE**  
[72] JERUSSI, THOMAS P., US  
[72] RUBIN, PAUL D., US  
[71] SEPRACOR INC., US  
[85] 2001-08-28  
[86] 2000-03-01 (PCT/US00/05170)  
[87] 2000-09-08 (WO00/51595)  
[30] US (60/122,382) 1999-03-02  
[30] US (09/507,470) 2000-02-22

[21] **2,362,490**  
[13] A1

[51] **Int.Cl. 7F41A 3/26 7F41A 9/41 7F41A 9/55**  
[25] EN  
[54] **BOLT CENTERING ELEMENT**  
[54] **ELEMENT DE CENTRAGE DE CULASSE**  
[72] MURELLO, JOHANNES, DE  
[71] HECKLER & KOCH GMBH, DE  
[85] 2001-08-23  
[86] 2000-02-24 (PCT/EP00/01536)  
[87] 2000-08-31 (WO00/50833)  
[30] DE (199 07 967.6) 1999-02-24

[21] **2,362,493**  
[13] A1

[51] **Int.Cl. 7A61K 31/495 7C07D 403/04 7C07D 403/06 7A61K 31/496 7A61K 31/499 7A61K 31/551**  
[25] EN  
[54] **INHIBITORS OF PRENYL-PROTEIN TRANSFERASE**  
[54] **INHIBITEURS DE LA PRENYLE-PROTEINE TRANSFERASE**  
[72] TUCKER, THOMAS J., US  
[72] SMITH, ANTHONY M., US  
[72] STOKKER, GERALD E., US  
[72] HARTMAN, GEORGE D., US  
[72] SISKI, JOHN T., US  
[72] LUMMA, WILLIAM C., JR., US  
[71] MERCK & CO., INC., US  
[85] 2001-08-24  
[86] 2000-03-01 (PCT/US00/05216)  
[87] 2000-09-08 (WO00/51611)  
[30] US (60/122,768) 1999-03-03  
[30] US (60/127,253) 1999-03-31

[21] **2,362,494**  
[13] A1

[51] **Int.Cl. 7A61K 31/495 7A61P 35/00 7A61P 27/02 7C07D 403/04 7C07D 403/06 7C07D 243/08 7A61P 9/10 7C07D 403/12 7A61P 13/12 7C07D 295/14 7C07D 403/14 7A61P 31/14 7A61K 31/496 7A61K 31/551 7C12N 9/99**  
[25] EN  
[54] **INHIBITORS OF PRENYL-PROTEIN TRANSFERASE**  
[54] **INHIBITEURS DE PRENYL-PROTEINE TRANSFERASES**  
[72] DINSMORE, CHRISTOPHER J., US  
[72] BERGMAN, JEFFREY M., US  
[72] LUMMA, WILLIAM C., JR., US  
[72] SMITH, ANTHONY M., US  
[72] SISKI, JOHN T., US  
[72] TUCKER, THOMAS J., US  
[71] MERCK & CO., INC., US  
[85] 2001-08-28  
[86] 2000-03-01 (PCT/US00/05357)  
[87] 2000-09-08 (WO00/51612)  
[30] US (60/122,771) 1999-03-03  
[30] US (60/127,257) 1999-03-31

[21] **2,362,495**  
[13] A1

[51] **Int.Cl. 7A61K 31/496 7A61P 35/00 7A61P 27/02 7C07D 403/04 7C07D 403/06 7A61P 9/10 7C07D 403/12 7A61P 13/12 7C07D 403/14 7A61P 31/14 7A61K 31/551 7C12N 9/99**  
[25] EN  
[54] **INHIBITORS OF PRENYL-PROTEIN TRANSFERASES**  
[54] **INHIBITEURS DE PRENYL-PROTEINE TRANSFERASES**  
[72] WILLIAMS, THERESA M., US  
[72] STUMP, CRAIG A., US  
[71] MERCK & CO., INC., US  
[85] 2001-08-28  
[86] 2000-03-01 (PCT/US00/05354)  
[87] 2000-09-08 (WO00/51614)  
[30] US (60/122,971) 1999-03-03  
[30] US (60/127,252) 1999-03-31

[21] **2,362,496**  
[13] A1

[51] **Int.Cl. 7C12N 15/12 7C07K 7/08 7A61P 19/08 7C12N 5/10 7A61K 38/18 7C07K 14/51 7C12N 15/62 7A61K 31/70**  
[25] EN  
[54] **POLYPEPTIDE VARIANTS WITH RAISED HEPARIN-BINDING CAPACITY**  
[54] **VARIANTES DE POLYPEPTIDES A CAPACITE AMELIOREE DE LIAISON DE L'HEPARINE**  
[72] SEBALD, WALTER, DE  
[71] OSTEOGENETICS GMBH, DE  
[85] 2001-08-10  
[86] 2000-01-27 (PCT/EP00/00637)  
[87] 2000-08-17 (WO00/47736)  
[30] DE (199 06 096.7) 1999-02-13

[21] **2,362,497**  
[13] A1

[51] **Int.Cl. 7F41H 11/12 7A43B 3/00**  
[25] FR  
[54] **DISPOSITIF DE PROTECTION DES EFFETS D'ENGINS EXPLOSIFS**  
[54] **PROTECTIVE DEVICE AGAINST THE EFFECTS OF EXPLOSIVES**  
[72] PECHE, JEAN PATRICK, FR  
[72] GAULTIER, RENAUD, FR  
[72] PELTZER, MARC-OLIVIER, FR  
[71] ANONYMATE, FR  
[85] 2001-08-21  
[86] 2000-02-21 (PCT/FR00/00429)  
[87] 2000-08-31 (WO00/50837)  
[30] FR (99/02150) 1999-02-22

## Demandes PCT entrant en phase nationale

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|--|---|--|
| <p style="text-align: right;">[21] <b>2,362,498</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/66</b><br/>[25] EN<br/>[54] <b>MUCIN CONTAINING OPHTHALMIC PREPARATIONS</b><br/>[54] <b>PREPARATIONS OPHTALMIQUES CONTENANT DE LA MUCINE</b><br/>[72] LEAHY, CHARLES D., US<br/>[72] ELLIS, EDWARD J., US<br/>[72] ELLIS, JEANNE Y., US<br/>[71] VISTA SCIENTIFIC LLC, US<br/>[85] 2001-08-28<br/>[86] 2000-03-01 (PCT/US00/05365)<br/>[87] 2000-09-08 (WO00/51619)<br/>[30] US (60/122,073) 1999-03-01</p>  | <p style="text-align: right;">[21] <b>2,362,506</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A01N 25/02</b><br/>[25] EN<br/>[54] <b>PIT EMULSIONS</b><br/>[54] <b>EMULSIONS PIT</b><br/>[72] DA SILVA MARQUES, MARIA, FR<br/>[72] ABRIBAT, BENOIT, FR<br/>[71] COGNIS DEUTSCHLAND GMBH, DE<br/>[85] 2001-08-23<br/>[86] 2000-02-18 (PCT/EP00/01311)<br/>[87] 2000-09-08 (WO00/51427)<br/>[30] DE (199 08 559.5) 1999-02-27</p>   | <p style="text-align: right;">[21] <b>2,362,517</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7G01S 5/14</b><br/>[25] EN<br/>[54] <b>METHOD AND APPARATUS FOR GPS ASSISTANCE IN A COMMUNICATION SYSTEM</b><br/>[54] <b>PROCEDE ET APPAREIL POUR ASSISTANCE GPS DANS UN SYSTEME DE COMMUNICATION</b><br/>[72] VAYANOS, ALKINOOS HECTOR, US<br/>[72] SOLIMAN, SAMIR S., US<br/>[72] AGASHE, PARAG A., US<br/>[71] QUALCOMM INCORPORATED, US<br/>[85] 2001-08-08<br/>[86] 2000-02-14 (PCT/US00/03853)<br/>[87] 2000-08-17 (WO00/48017)<br/>[30] US (09/250,771) 1999-02-12</p> |
| <p style="text-align: right;">[21] <b>2,362,499</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/135 7A61P 11/00</b><br/>[25] EN<br/>[54] <b>COMBINATIONS OF FORMOTEROL AND MOMETASONE FUROATE FOR ASTHMA</b><br/>[54] <b>COMBINAISONS DE FORMOTEROL ET DE FUROATE DE MOMETASONE DESTINEES A L'ASTHME</b><br/>[72] HASSAN, IAN FRANCIS, GB<br/>[72] DANAHAY, HENRY LUKE, GB<br/>[72] CLARKE, JEREMY GUY, GB<br/>[71] NOVARTIS AG, CH<br/>[85] 2001-08-31<br/>[86] 2000-03-01 (PCT/EP00/01722)<br/>[87] 2000-09-08 (WO00/51591)<br/>[30] GB (9904919.9) 1999-03-03</p> | <p style="text-align: right;">[21] <b>2,362,512</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A47K 10/42 7B65D 83/08</b><br/>[25] EN<br/>[54] <b>DISPENSER BOX FOR CLEANING TISSUES</b><br/>[54] <b>BOITTE DISTRIBUTRICE DE LINGETTES NETTOYANTES</b><br/>[72] FRANZ, DIETER, DE<br/>[71] S. C. JOHNSON &amp; SON, INC., US<br/>[85] 2001-08-20<br/>[86] 2000-03-01 (PCT/EP00/01765)<br/>[87] 2000-09-08 (WO00/51482)<br/>[30] DE (299 03 732.0) 1999-03-02</p>   | <p style="text-align: right;">[21] <b>2,362,521</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7F24F 13/02</b><br/>[25] EN<br/>[54] <b>DUCT LIFTING LUG AND METHOD OF SUSPENDING DUCT USING THE LIFTING LUG</b><br/>[54] <b>OREILLE DE LEVAGE DE CONDUIT ET PROCEDE DE SUSPENSION DE CONDUIT A L'AIDE DE L'OREILLE DE LEVAGE</b><br/>[72] IIZUKA, SHOZO, JP<br/>[71] AIR SYSTEM KABUSHIKI KAISHA, JP<br/>[85] 2001-08-21<br/>[86] 2000-02-18 (PCT/JP00/00915)<br/>[87] 2000-08-31 (WO00/50820)<br/>[30] JP (11/43275) 1999-02-22</p>   |
| <p style="text-align: right;">[21] <b>2,362,500</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7D21D 5/02</b><br/>[25] FR<br/>[54] <b>PROCEDE ET MOYENS POUR LA FILTRATION DE LA PATE A PAPIER</b><br/>[54] <b>METHOD AND MEANS FOR PAPER PULP FILTERING</b><br/>[72] FERNANDEZ DE GRADO, ALAIN, FR<br/>[72] SERRES, ALAIN, FR<br/>[71] E &amp; M LAMORT, FR<br/>[85] 2001-08-23<br/>[86] 2000-02-25 (PCT/FR00/00468)<br/>[87] 2000-08-31 (WO00/50690)<br/>[30] FR (99/02425) 1999-02-26</p>   | <p style="text-align: right;">[21] <b>2,362,515</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A23L 1/30 7A23D 9/00 7A61P 3/06 7A61P 9/10 7A61K 31/202 7A61K 31/232</b><br/>[25] EN<br/>[54] <b>UTILIZATION OF MATERIAL CONTAINING DOCOSAPENTAENOIC ACID</b><br/>[54] <b>UTILISATION D'UNE MATIERE CONTENANT DE L'ACIDE DOCOSAPENTAENOIQUE</b><br/>[72] IGARASHI, OSAMU, JP<br/>[72] KISO, YOSHINOBU, JP<br/>[72] YAGUCHI, TOSHIAKI, JP<br/>[72] AKIMOTO, KENGO, JP<br/>[71] NAGASE &amp; COMPANY, LTD., JP<br/>[71] SUNTORY LIMITED, JP<br/>[85] 2001-08-31<br/>[86] 2000-03-06 (PCT/JP00/01355)<br/>[87] 2000-09-08 (WO00/51444)<br/>[30] JP (11/57769) 1999-03-04</p> | <p style="text-align: right;">[21] <b>2,362,523</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12N 9/02 7A61K 35/00 7C12N 15/52</b><br/>[25] EN<br/>[54] <b>NITROREDUCTASE ENZYMES</b><br/>[54] <b>ENZYMES DE NITROREDUCTASE</b><br/>[72] MINTON, NIGEL, GB<br/>[72] VAUGHAN, THOMAS, GB<br/>[72] ANLEZARK, GILL, GB<br/>[71] MICROBIOLOGICAL RESEARCH AUTHORITY, GB<br/>[85] 2001-08-08<br/>[86] 2000-02-10 (PCT/GB00/00431)<br/>[87] 2000-08-17 (WO00/47725)<br/>[30] GB (9903019.9) 1999-02-10</p>  |

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[21] **2,362,524**  
[13] A1  
[51] **Int.Cl. 7C12N 15/48 7C07K 16/10 7C12N 15/11 7C07K 14/15 7G01N 33/569 7C12Q 1/68**  
[25] EN  
[54] **THE LTR REGION OF MSRV-1 AND THE PROTEINS IT ENCODES, AND PROBES AND METHODS FOR DETECTING MSRV-1 RETROVIRUS**  
[54] **REGION LTR DU RETROVIRUS MSRV-1 ET PROTEINE QU'ELLE CODE, AINSI QUE SONDES ET PROCEDES POUR LA DETECTION DU RETROVIRUS MSRV-1**  
[72] KOMURIAN-PRADEL, FLORENCE, FR  
[72] PERRON, HERVE, FR  
[72] PARANHOS-BACCALA, GLAUCIA, FR  
[71] BIO MERIEUX, FR  
[85] 2001-08-14  
[86] 2000-02-15 (PCT/IB00/00159)  
[87] 2000-08-17 (WO00/47745)  
[30] EP (99420041.8) 1999-02-15

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[21] **2,362,528**  
[13] A1  
[51] **Int.Cl. 7G01R 27/00 7G01N 17/00 7G01N 27/20**  
[25] EN  
[54] **SENSORING DEVICE FOR MONITORING POTENTIAL ON CORROSION THREATED OBJECTS**  
[54] **DISPOSITIF DE DETECTION DESTINE A CONTROLER UN POTENTIEL SUR DES OBJETS EXPOSES A LA CORROSION**  
[72] HORN, HARALD, NO  
[71] CORROCEAN ASA, NO  
[85] 2001-08-20  
[86] 2000-02-14 (PCT/NO00/00054)  
[87] 2000-08-31 (WO00/50907)  
[30] NO (19990819) 1999-02-22

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[21] **2,362,529**  
[13] A1  
[51] **Int.Cl. 7A61K 31/00**  
[25] EN  
[54] **JAK-3 INHIBITORS FOR TREATING ALLERGIC DISORDERS**  
[54] **INHIBITEURS DE JAK-3 DESTINES AU TRAITEMENT DE TROUBLES ALLERGIQUES**  
[72] SUDBECK, ELISE A., US  
[72] MALAVIYA, RAVI, US  
[72] UCKUN, FATIH M., US  
[71] PARKER HUGHES INSTITUTE, US  
[85] 2001-08-31  
[86] 2000-03-01 (PCT/US00/05353)  
[87] 2000-09-08 (WO00/51587)  
[30] US (09/263,420) 1999-03-05

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[21] **2,362,534**  
[13] A1  
[51] **Int.Cl. 7D06M 15/03 7C14C 11/00 7D06M 16/00 7D21H 17/15 7D06M 13/192 7D21H 17/24 7D06M 15/263 7D21H 17/43**  
[25] FR  
[54] **FIBRE PRESENTANT DES PROPRIETES DE COMPLEXATION AMELIOREES ET DES PROPRIETES ECHANGEUSES DE CATIONS**  
[54] **FIBRE WITH IMPROVED COMPLEXATION QUALITIES AND CATION-EXCHANGE PROPERTIES**  
[72] WELTROWSKI, MAREK, CA  
[72] MARTEL, BERNARD, FR  
[72] MORCELLET, MICHEL, FR  
[71] UNIVERSITÉ DES SCIENCES ET TECHNOLOGIES DE LILLE, FR  
[85] 2001-08-15  
[86] 2000-02-15 (PCT/FR00/00378)  
[87] 2000-08-17 (WO00/47811)  
[30] FR (99/01967) 1999-02-15

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[21] **2,362,538**  
[13] A1  
[51] **Int.Cl. 7C12N 1/21 7C07H 21/00 7C12P 21/00 7C12N 5/10 7C12N 15/12 7C12N 15/62 7C12N 15/63**  
[25] EN  
[54] **SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM**  
[54] **PROTEINES SECRETEES ET POLYNUCLEOTIDES LES CODANT**  
[72] HALL, JEFF, US  
[72] VALENZUELA, DARIO, US  
[72] RAPIEJKO, PETER, US  
[72] YUAN, OLIVE, US  
[72] HOFFMAN, HEIDI, US  
[71] ALPHAGENE, INC., US  
[85] 2001-08-16  
[86] 2000-02-18 (PCT/US00/04340)  
[87] 2000-08-24 (WO00/49134)  
[30] US (60/120,680) 1999-02-19  
[30] US (09/298,733) 1999-04-23  
[30] US (60/149,639) 1999-08-17  
[30] US (60/155,686) 1999-09-23  
[30] US (60/157,247) 1999-10-01  
[30] US (60/167,823) 1999-11-29  
[30] US (60/167,822) 1999-11-29  
[30] US (60/182,711) 2000-02-15

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[21] **2,362,540**  
[13] A1  
[51] **Int.Cl. 7G01F 1/84**  
[25] EN  
[54] **A LOW THERMAL STRESS CASE CONNECT LINK FOR A STRAIGHT TUBE CORIOLIS FLOWMETER**  
[54] **CONNEXION DE BOITIER A FAIBLE CONTRAINTE THERMIQUE POUR DEBITMETRE DE CORIOLIS A TUBE DROIT**  
[72] VAN CLEVE, CRAIG BRAINERD, US  
[71] MICRO MOTION, INC., US  
[85] 2001-08-21  
[86] 2000-02-02 (PCT/US00/02724)  
[87] 2000-08-31 (WO00/50854)  
[30] US (09/256,642) 1999-02-23

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[21] **2,362,542**  
[13] A1  
[51] **Int.Cl. 7G01V 3/30 7E21B 47/00 7E21B 47/026 7G01V 3/38**  
[25] EN  
[54] **DIRECTIONAL RESISTIVITY MEASUREMENTS FOR AZIMUTHAL PROXIMITY DETECTION OF BED BOUNDARIES**  
[54] **MESURES DIRECTIONNELLES DE RESISTIVITE SERVANT A DETECTER LA PROXIMITE AZIMUTALE DES LISIERES DE FORMATIONS**  
[72] SONG, HAOSHI, US  
[72] HAGIWARA, TERUHIKO, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2001-08-20  
[86] 2000-02-10 (PCT/US00/03467)  
[87] 2000-08-31 (WO00/50926)  
[30] US (09/255,621) 1999-02-22

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[21] **2,362,543**  
[13] A1  
[51] **Int.Cl. 7G01V 8/10 7E21B 49/08 7E21B 47/10 7G01N 21/35 7G01N 21/53**  
[25] EN  
[54] **ANALYSIS OF DOWNHOLE FORMATION FLUID CONTAMINATED BY OIL-BASED MUD**  
[54] **ANALYSE D'UN FLUIDE DE FORMATION DE FOND, CONTAMINE PAR UNE BOUE A BASE D'HUILE**  
[72] MULLINS, OLIVER C., US  
[72] SHROER, JON J., US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2001-08-21  
[86] 2000-02-15 (PCT/US00/03901)  
[87] 2000-08-31 (WO00/50876)  
[30] US (09/255,999) 1999-02-23  
[30] US (09/300,190) 1999-04-27

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[21] **2,362,544**  
[13] A1  
[51] **Int.Cl. 7G01N 31/00 7G06F 19/00**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MANAGING AND PRESENTING INFORMATION DERIVED FROM GENE EXPRESSION PROFILING**  
[54] **SYSTEME ET PROCEDE DE GESTION ET DE PRESENTATION D'INFORMATIONS DERIVEES DE L'ETABLISSEMENT DE PROFILS D'EXPRESSION GENIQUE**  
[72] ROGERS, JOHN C., US  
[71] WARNER-LAMBERT COMPANY, US  
[85] 2001-08-23  
[86] 2000-02-22 (PCT/US00/04338)  
[87] 2000-08-31 (WO00/50889)  
[30] US (60/121,432) 1999-02-23

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[21] **2,362,553**  
[13] A1  
[51] **Int.Cl. 7B32B 31/16**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRODUCTION OF LABELS**  
[54] **PROCEDE ET APPAREIL DE PRODUCTION D'ETIQUETTES**  
[72] BLECKMANN, FREDERICK, US  
[72] BLECKMANN, GILBERT A., US  
[71] PITTSFIELD WEAVING CO., INC., US  
[85] 2001-08-03  
[86] 2000-02-23 (PCT/US00/04623)  
[87] 2000-08-31 (WO00/50239)  
[30] US (60/121,817) 1999-02-25

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[21] **2,362,554**  
[13] A1  
[51] **Int.Cl. 7A61K 31/428 7A61P 3/04 7A61K 31/429 7A61K 31/4439 7A61K 31/454**  
[25] EN  
[54] **UTILIZATION OF POLYCYCLIC 2-AMINO-THIAZOLE SYSTEMS IN THE PRODUCTION OF MEDICAMENTS FOR PROPHYLAXIS OR TREATMENT OF OBESITY**  
[54] **UTILISATION DE SYSTEMES 2-AMINO-THIAZOLE POLYCYCLIQUES POUR LA PRODUCTION DE MEDICAMENTS DESTINES A LA PROPHYLAXIE OU AU TRAITEMENT DE L'OBESITE**  
[72] LANG, HANS-JOCHEN, DE  
[72] GEISEN, KARL, DE  
[72] JAEHNE, GERHARD, DE  
[72] BICKEL, MARTIN, DE  
[71] AVENTIS PHARMA DEUTSCHLAND GMBH, DE  
[85] 2001-08-21  
[86] 2000-02-05 (PCT/EP00/00925)  
[87] 2000-09-08 (WO00/51602)  
[30] DE (199 08 537.4) 1999-02-26

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[21] **2,362,555**  
[13] A1  
[51] **Int.Cl. 7C07D 307/62**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF L-ASCORBIC ACID**  
[54] **PROCEDE DE PREPARATION D'ACIDE L-ASCORBIQUE**  
[72] FECHTEL, ULRICH, DE  
[72] HEINZ, WOLFGANG, DE  
[72] MUELLER, BERND, DE  
[72] BESCHMANN, KLAUS, DE  
[72] STOLDT, JORAN, DE  
[71] MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE  
[85] 2001-08-03  
[86] 2000-01-21 (PCT/EP00/00442)  
[87] 2000-08-10 (WO00/46216)  
[30] DE (199 04 821.5) 1999-02-05

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[21] **2,362,556**  
[13] A1  
[51] **Int.Cl. 7C23C 22/18 7C23C 22/13 7C23C 22/36**  
[25] EN  
[54] **METHOD FOR PHOSPHATIZING ZINC OR ALUMINIUM SURFACES**  
[54] **PROCEDE POUR LA PHOSPHATISATION DE SURFACES EN ZINC OU EN ALUMINIUM**  
[72] RENTSCH, WERNER, DE  
[72] NITSCHKE, THOMAS, DE  
[71] CHEMETALL GMBH, DE  
[85] 2001-08-08  
[86] 2000-02-03 (PCT/EP00/00865)  
[87] 2000-08-17 (WO00/47799)  
[30] DE (199 05 479.7) 1999-02-10

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[21] **2,362,557**  
[13] A1  
[51] **Int.Cl. 7C01B 13/11**  
[25] EN  
[54] **PRESSURE COMPENSATION OZONE GENERATOR AND METHOD FOR GENERATION OF OZONE**  
[54] **GENERATEUR D'OZONE ET UN PROCEDE DE GENERATION D'OZONE**  
[72] BORGSTROM, JAN, SE  
[71] OZONATOR LIMITED, GB  
[85] 2001-08-07  
[86] 2000-03-03 (PCT/SE00/00438)  
[87] 2000-09-14 (WO00/53529)  
[30] SE (9900781-7) 1999-03-05

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[21] **2,362,558**  
[13] A1  
[51] **Int.Cl. 7A61K 31/205**  
[25] FR  
[54] **LA GLYCINE BETAINE POUR SON USAGE ANTITHROMBOTIQUE**  
[54] **ANTITHROMBOTIC USE OF GLYCINE BETAINE**  
[72] MESSADEK, JALLAL, BE  
[71] MESSADEK, JALLAL, BE  
[85] 2001-08-08  
[86] 2000-03-01 (PCT/BE00/00021)  
[87] 2000-09-08 (WO00/51596)  
[30] BE (9900144) 1999-03-02

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[21] **2,362,560**  
[13] A1  
[51] **Int.Cl. 7A61K 38/00**  
[25] EN  
[54] **CONTROLLING PROTEIN LEVELS IN EUKARYOTIC ORGANISMS**  
[54] **REGULATION DES TAUX DE PROTEINES DANS DES ORGANISMES EUKARYOTIQUES**  
[72] ROBERTS, STEVEN F., US  
[72] LEBOWITZ, MICHAEL S., US  
[72] KENTEN, JOHN H., US  
[71] PROTEINIX, INC, US  
[85] 2001-08-10  
[86] 2000-02-11 (PCT/US00/03436)  
[87] 2000-08-17 (WO00/47220)  
[30] US (60/119,851) 1999-02-12  
[30] US (09/406,781) 1999-09-28

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[21] **2,362,561**  
[13] A1  
[51] **Int.Cl. 7A61F 6/06 7A61F 13/02**  
[25] EN  
[54] **PROLONGED RELEASE BIOADHESIVE VAGINAL GEL DOSAGE FORM**  
[54] **FORME POSOLOGIQUE DE GEL VAGINAL BIOADHESIF A LIBERATION PROLONGEE**  
[72] DURRANI, MANZER J., US  
[71] BIOVECTOR TECHNOLOGIES, INC., US  
[85] 2001-08-10  
[86] 2000-02-08 (PCT/US00/03237)  
[87] 2000-08-17 (WO00/47144)  
[30] US (09/250,123) 1999-02-12

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[21] **2,362,563**  
[13] A1  
[51] **Int.Cl. 7C08L 23/10 7C08L 67/00 7C08L 51/06**  
[25] EN  
[54] **POLYPROPYLENE AND POLYESTER BLENDS CONTAINING A GRAFT-MODIFIED POLYOLEFIN ELASTOMER**  
[54] **MELANGES DE POLYPROPYLENE ET DE POLYESTER CONTENANT UN ELASTOMERE POLYOLEFINIQUE MODIFIE PAR GREFFE**  
[72] PHAM, HOANG T., US  
[72] WU, SHAOFU, US  
[71] THE DOW CHEMICAL COMPANY, US  
[85] 2001-08-07  
[86] 2000-01-24 (PCT/US00/01725)  
[87] 2000-09-08 (WO00/52094)  
[30] US (09/262,478) 1999-03-04

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[21] **2,362,566**  
[13] A1  
[51] **Int.Cl. 7A61K 39/395 7A61K 48/00 7A61P 7/00 7A61P 7/02 7C12N 15/11 7A61K 39/12 7A61K 38/16 7C07K 16/28 7A61K 39/29**  
[25] EN  
[54] **MODULATORS OF FGL2 PROTHROMBINASE**  
[54] **MODULATEURS DE THROMBOPLASTINE FGL2**  
[72] LEVY, GARY, CA  
[71] LEVY, GARY, CA  
[85] 2001-08-22  
[86] 2000-02-25 (PCT/CA00/00191)  
[87] 2000-09-08 (WO00/51636)  
[30] US (60/122,109) 1999-02-26

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[21] **2,362,568**  
[13] A1  
[51] **Int.Cl. 7G01N 27/49**  
[25] EN  
[54] **MULTI-ELECTRODE COMPOSITION MEASURING DEVICE AND METHOD**  
[54] **DISPOSITIF ET PROCEDE DE MESURE DE COMPOSITION PAR LE BIAIS D'ELECTRODES MULTIPLES**  
[72] MILLAR, ORD, CA  
[71] HONEYWELL-MEASUREX CORPORATION, US  
[85] 2001-08-24  
[86] 2000-02-22 (PCT/US00/04525)  
[87] 2000-08-31 (WO00/50882)  
[30] US (09/258,550) 1999-02-26

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[21] **2,362,571**  
[13] A1  
[51] **Int.Cl. 7F25B 17/08**  
[25] EN  
[54] **PREPARATION OF REFRIGERANT MATERIALS**  
[54] **PREPARATION DE MATERIAUX DE REFROIDISSEMENT**  
[72] PAUL, ZBIGNIEW R., US  
[72] SABIN, CULLEN M., US  
[72] SABIN, MARTIN W., US  
[71] TEMPRA TECHNOLOGY, INC., US  
[85] 2001-08-13  
[86] 2000-02-24 (PCT/US00/04634)  
[87] 2000-08-31 (WO00/50823)  
[30] US (60/121,761) 1999-02-26

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| <p style="text-align: center;">[21] <b>2,362,572</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7F25D 3/08 7F28D 15/00</b><br/>[25] EN<br/>[54] <b>PREPARATION OF HEAT SINK MATERIALS</b><br/>[54] <b>PREPARATION DE MATERIAUX DISSIPANT LA CHALEUR</b><br/>[72] SABIN, MARTIN W., US<br/>[71] TEMPRA TECHNOLOGY, INC., US<br/>[85] 2001-08-13<br/>[86] 2000-02-24 (PCT/US00/04637)<br/>[87] 2000-08-31 (WO00/50827)<br/>[30] US (60/121,762) 1999-02-26</p>   | <p style="text-align: center;">[21] <b>2,362,575</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 9/00 7A61P 25/02 7A61P 25/16 7A61P 25/18 7A61P 25/24 7A61P 25/28</b><br/>[25] EN<br/>[54] <b>SPRAY CONTAINING UBIQUINONE QN</b><br/>[54] <b>SPRAY CONTENANT DU COENZYME QN</b><br/>[72] ENZMANN, FRANZ, DE<br/>[71] MSE PHARMAZEUTIKA GMBH, DE<br/>[85] 2001-08-08<br/>[86] 2000-02-09 (PCT/EP00/01012)<br/>[87] 2000-08-17 (WO00/47185)<br/>[30] DE (199 05 880.6) 1999-02-11</p>  | <p style="text-align: center;">[21] <b>2,362,579</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 7/021 7A61K 7/48</b><br/>[25] EN<br/>[54] <b>COSMETIC COMPOSITIONS CONTAINING BLOCK COPOLYMERS</b><br/>[54] <b>COMPOSITIONS COSMETIQUES CONTENANT DES COPOLYMERES BLOCS</b><br/>[72] NORMAN, GREG, US<br/>[72] THAU, PAUL, US<br/>[72] ORR, CARL, US<br/>[72] MONTES DE OCA, MARGARITA, US<br/>[72] GRAVES, GARY G., US<br/>[72] KANJI, MOHAMED G., US<br/>[72] CAES, CAROLYN, US<br/>[71] L'ORÉAL S.A., FR<br/>[85] 2001-08-17<br/>[86] 2000-02-24 (PCT/US00/04609)<br/>[87] 2000-08-31 (WO00/49997)<br/>[30] US (09/258,809) 1999-02-26</p> |
| <p style="text-align: center;">[21] <b>2,362,573</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12Q 1/22 7A61L 2/28</b><br/>[25] EN<br/>[54] <b>STERILIZATION INDICATOR FOR LIQUID PERACETIC ACID PROCEDURES</b><br/>[54] <b>INDICATEUR DE STERILISATION POUR PRODUITS STERILISANTS LIQUIDES A BASE D'ACIDE PERACETIQUE</b><br/>[72] WITCHER, KELVIN J., US<br/>[72] WOODSON, LEWIS P., US<br/>[71] 3M INNOVATIVE PROPERTIES COMPANY, US<br/>[85] 2001-08-09<br/>[86] 2000-01-20 (PCT/US00/01343)<br/>[87] 2000-08-31 (WO00/50634)<br/>[30] US (09/255,240) 1999-02-22</p>   | <p style="text-align: center;">[21] <b>2,362,577</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/12 7A61P 29/00</b><br/>[25] EN<br/>[54] <b>UBIQUINONE QN FOR THE TREATMENT OF PAINS</b><br/>[54] <b>COENZYME QN UTILISE POUR TRAITER LA DOULEUR</b><br/>[72] ENZMANN, FRANZ, DE<br/>[71] MSE PHARMAZEUTIKA GMBH, DE<br/>[85] 2001-08-08<br/>[86] 2000-02-09 (PCT/EP00/01011)<br/>[87] 2000-08-17 (WO00/47192)<br/>[30] DE (199 05 879.2) 1999-02-11</p>  | <p style="text-align: center;">[21] <b>2,362,580</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7F25B 17/08</b><br/>[25] EN<br/>[54] <b>DISPERSION OF REFRIGERANT MATERIALS</b><br/>[54] <b>DISPERSION DE MATIERES FRIGORIGENES</b><br/>[72] SABIN, MARTIN W., US<br/>[71] TEMPRA TECHNOLOGY, INC., US<br/>[85] 2001-08-13<br/>[86] 2000-02-24 (PCT/US00/04639)<br/>[87] 2000-08-31 (WO00/50824)<br/>[30] US (60/121,744) 1999-02-26</p>  |
| <p style="text-align: center;">[21] <b>2,362,574</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 38/00 7C07K 5/00 7C07K 7/00 7A61K 38/02</b><br/>[25] EN<br/>[54] <b>ANTIANGIOGENIC DRUGS</b><br/>[54] <b>ANTI-ANGIOGENES</b><br/>[72] SINGH, ANU T., IN<br/>[72] RAJENDRAN, PRAVEEN, IN<br/>[72] MATHUR, ARCHANA, IN<br/>[72] JAGGI, MANU, IN<br/>[72] PRASAD, SUDHANAND, IN<br/>[72] MUKHERJEE, RAMA, IN<br/>[72] BURMAN, ANAND C., IN<br/>[71] DABUR RESEARCH FOUNDATION, IN<br/>[71] NATIONAL INSTITUTE OF IMMUNOLOGY, IN<br/>[85] 2001-08-10<br/>[86] 2000-02-11 (PCT/US00/03559)<br/>[87] 2000-08-17 (WO00/47221)<br/>[30] US (09/248,381) 1999-02-11</p> | <p style="text-align: center;">[21] <b>2,362,578</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 39/00 7A61P 35/00 7A61K 38/19 7A61K 38/20 7A61K 39/39</b><br/>[25] EN<br/>[54] <b>TUMOR VACCINES</b><br/>[54] <b>VACCINS ANTI-TUMEURS</b><br/>[72] PENG, BAO GANG, JP<br/>[72] LIU, SHU QIN, US<br/>[72] LEONG, KAM, US<br/>[72] OHNO, TADAO, JP<br/>[71] PENG, BAO GANG, JP<br/>[71] RIKEN:JOHNS HOPKINS UNIVERSITY, JP<br/>[71] OHNO, TADAO, JP<br/>[85] 2001-08-08<br/>[86] 2000-02-09 (PCT/JP00/00692)<br/>[87] 2000-08-17 (WO00/47226)<br/>[30] JP (11/31197) 1999-02-09</p> |   |

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[21] **2,362,582**  
[13] A1  
[51] **Int.Cl. 7A61K 31/16 7A61P 29/00 7A61P 37/06**  
[25] EN  
[54] **USE OF 15-DEOXYSPERGUALIN FOR THE TREATMENT OF HYPERREACTIVE INFLAMMATORY DISEASES AND AUTOIMMUNE DISEASES**  
[54] **UTILISATION DE 15-DESOXYSPERGUALINE POUR LE TRAITEMENT DE MALADIES INFLAMMATOIRES HYPERREACTIVES ET DE MALADIES AUTO-IMMUNES**  
[72] BIRCK, RAINER, DE  
[72] DREXLER, JOHANNES, DE  
[72] HOTTA, OSAMU, JP  
[72] NOWACK, RAINER, DE  
[72] VAN DER WOUDE, JOHANNES FOKKU, DE  
[71] EURO NIPPON KAYAKU GMBH, GB  
[71] NIPPON KAYAKU KABUSHIKI KAISHA, JP  
[85] 2001-08-08  
[86] 2000-04-14 (PCT/EP00/03430)  
[87] 2000-11-30 (WO00/71103)  
[30] DE (199 23 961.4) 1999-05-25

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[21] **2,362,583**  
[13] A1  
[51] **Int.Cl. 7G01N 33/53 7A61P 37/06**  
[25] EN  
[54] **ASSAY FOR THE IDENTIFICATION OF IGE ANTIBODY SUPPRESSORS**  
[54] **CRIBLAGE POUR IDENTIFIER DES SUPPRESSEURS D'ANTICORPS IGE**  
[72] KATZ, DAVID H., US  
[71] KATZ, DAVID H., US  
[85] 2001-08-17  
[86] 2000-02-15 (PCT/US00/03885)  
[87] 2000-08-24 (WO00/49409)  
[30] US (09/251,175) 1999-02-17

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[21] **2,362,584**  
[13] A1  
[51] **Int.Cl. 7G10L 21/02**  
[25] EN  
[54] **SPEECH ENHANCEMENT WITH GAIN LIMITATIONS BASED ON SPEECH ACTIVITY**  
[54] **AMELIORATION DE LA QUALITE DE LA PAROLE AVEC LIMITATIONS DE GAIN REPOSANT SUR UNE EMISSION DE PAROLE**  
[72] MARTIN, RANIER, DE  
[72] COX, RICHARD VANDERVOORT, US  
[71] AT&T CORP., US  
[85] 2001-08-02  
[86] 2000-02-09 (PCT/US00/03372)  
[87] 2000-08-17 (WO00/48171)  
[30] US (60/119,279) 1999-02-09  
[30] US (09/499,985) 2000-02-08

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[21] **2,362,585**  
[13] A1  
[51] **Int.Cl. 7G01N 33/00 7C12N 5/00 7A01K 67/027**  
[25] EN  
[54] **AN IN VIVO AND IN VITRO MODEL FOR CUTANEOUS PHOTOAGING AND OXIDATIVE DAMAGE**  
[54] **MODELE IN VIVO ET IN VITRO POUR PHOTOVIEILLISSEMENT CUTANE ET DESTRUCTION OXYDATIVE**  
[72] BERNSTEIN, ERIC F., US  
[71] BERNSTEIN, ERIC F., US  
[85] 2001-08-20  
[86] 2000-02-22 (PCT/US00/04703)  
[87] 2000-08-31 (WO00/50892)  
[30] US (60/120,269) 1999-02-24

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[21] **2,362,589**  
[13] A1  
[51] **Int.Cl. 7G01N 30/60**  
[25] EN  
[54] **CHROMATOGRAPHY DEVICES, POROUS MEDIUM MODULES USED IN CHROMATOGRAPHY DEVICES, AND METHODS FOR MAKING POROUS MEDIUM MODULES**  
[54] **DISPOSITIFS DESTINES A LA CHROMATOGRAPHIE, MODULES DE MILIEU POREUX UTILISES DANS LES DISPOSITIFS DESTINES A LA CHROMATOGRAPHIE ET PROCEDES D'ELABORATION DE MODULES DE MILIEU POREUX**  
[72] FENDYA, THOMAS J., US  
[72] SORENSEN, THOMAS, US  
[72] STREMPPEL, JOHN, US  
[72] BUSH, GARY, US  
[72] HURWITZ, MARK F., US  
[71] PALL CORPORATION, US  
[85] 2001-08-15  
[86] 2000-02-25 (PCT/US00/04746)  
[87] 2000-08-31 (WO00/50888)  
[30] US (60/121,667) 1999-02-25  
[30] US (60/168,738) 1999-12-06

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[21] **2,362,590**  
[13] A1  
[51] **Int.Cl. 7C01B 13/32 7C01F 17/00**  
[25] EN  
[54] **PRECIPITATION PROCESS**  
[54] **PROCEDE DE PRECIPITATION**  
[72] DJURICIC, BORO, NL  
[72] PICKERING, STEPHEN, NL  
[71] EUROPEAN COMMUNITY, REPRESENTED BY THE COMMISSION OF THE EUROPEAN COMMUNITIES, LU  
[85] 2001-08-08  
[86] 2000-02-15 (PCT/GB00/00513)  
[87] 2000-08-24 (WO00/48939)  
[30] GB (9903519.8) 1999-02-16

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[21] **2,362,591**  
[13] A1  
[51] **Int.Cl. 6B27K 3/50**  
[25] EN  
[54] **WOOD PRESERVATIVES**  
[54]  
[72] LICHTENBERG, FLORIAN, DE  
[72] MARX, HANS-NORBERT, DE  
[71] LONZA AG, CH  
[85] 2001-08-03  
[86] 1999-01-27 (PCT/CH99/00035)  
[87] 1999-08-12 (WO99/39886)  
[30] CH (292/98) 1998-02-06

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[21] **2,362,592**  
[13] A1

[51] **Int.Cl. 7C07K 16/28 7A61K 39/00 7A61P 1/00 7A61P 3/00 7A61P 17/00 7A61P 25/00 7A61P 35/00 7A61P 37/00 7A61P 19/02 7A61P 7/06 7C12N 5/10 7A61K 35/12 7A61K 38/13 7C12N 15/13 7A61K 35/14 7A61P 1/18 7A61K 39/395 7A61K 31/445 7A61K 31/56 7G01N 33/577 7C12N 15/62 7G01N 33/68**

[25] EN

[54] **HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7 MOLECULES AND METHODS OF TREATMENT THEREWITH**

[54] **IMMUNOGLOBULINE HUMANISEE REAGISSANT AVEC DES MOLECULES B7 ET METHODES DE TRAITEMENT AVEC CELLES-CI**

[72] CELNIKER, ABBIE CHERYL, US  
[72] GRAY, GARY S., US  
[72] COLLINS, MARY, US  
[72] CARRENO, BEATRIZ, US  
[72] GOLDMAN, SAMUEL, US  
[72] VASQUEZ, MAXIMILIANO, US  
[72] KNIGHT, ANDREA, US  
[72] O'HARA, DENISE, US  
[72] CO, MAN SUNG, US  
[72] FRIEDRICH, STUART, US  
[72] VELDMAN, GEERTRUIDA M., US  
[72] WARNER, GARVIN, US  
[72] RUP, BONITA, US  
[71] GENETICS INSTITUTE, INC., US  
[85] 2001-08-10  
[86] 2000-02-09 (PCT/US00/03303)  
[87] 2000-08-17 (WO00/47625)  
[30] US (09/249,011) 1999-02-12  
[30] US (09/339,596) 1999-06-24

[21] **2,362,594**  
[13] A1

[51] **Int.Cl. 7C07D 405/06**

[25] EN

[54] **PROCESS FOR THE PRODUCTION OF TERT-BUTYL (E)-(6--2- -4-(4-FLUOROPHENYL) -6-ISOPROPYL-2--METHYL (METHYLSULFONYL) AMINO| PYRIMIDIN-5-YL| VINYL|(4R, 6S)-2,2-DIMETHYL -1,3|DIOXAN-4-YL) ACETATE**

[54] **PROCEDE DE PRODUCTION DE TERT-BUTYL (E)-(6--2- -4-(4-FLUOROPHENYL) -6-ISOPROPYL-2--METHYL (METHYLSULFONYL) AMINO| PYRIMIDIN-5-YL| VINYL|(4R, 6S)-2,2-DIMETHYL -1,3|DIOXAN-4-YL) ACETATE**

[72] KOIKE, HARUO, JP  
[72] DIORAZIO, LOUIS JOSEPH, GB  
[72] TAYLOR, NIGEL PHILIP, GB  
[72] KABAKI, MIKIO, JP  
[71] SHIONOGI & CO., LTD., JP  
[71] ASTRAZENECA AB, SE  
[85] 2001-08-08  
[86] 2000-02-15 (PCT/GB00/00481)  
[87] 2000-08-24 (WO00/49014)  
[30] GB (9903472.0) 1999-02-17

[21] **2,362,595**  
[13] A1

[51] **Int.Cl. 7A46B 9/04 7A46D 1/06 7A46D 1/08**

[25] EN

[54] **METHOD AND DEVICE FOR PRODUCING BRUSHWARE AND BRUSHWARE OBTAINED WITH SAME**

[54] **PROCEDE ET DISPOSITIF POUR PRODUIRE DES ARTICLES DE BROSSERIE ET ARTICLES DE BROSSERIE AINSI OBTENUS**

[72] WEIHRAUCH, GEORG, DE  
[71] CORONET-WERKE GMBH, DE  
[85] 2001-08-30  
[86] 2000-02-24 (PCT/EP00/01533)  
[87] 2000-09-08 (WO00/51462)  
[30] DE (199 09 435.7) 1999-03-04

[21] **2,362,596**  
[13] A1

[51] **Int.Cl. 7E05B 63/24**

[25] EN

[54] **DOOR FASTENING DEVICE**

[54] **DISPOSITIF DE FIXATION DE PORTE**

[72] COWPER, BRIAN EDWARD, GB  
[71] BANHAM PATENT LOCKS LIMITED, GB  
[85] 2001-08-10  
[86] 2000-11-23 (PCT/GB00/04442)  
[87] 2001-06-14 (WO01/42600)  
[30] GB (9929112.2) 1999-12-10

[21] **2,362,598**  
[13] A1

[51] **Int.Cl. 7E05F 3/00**

[25] EN

[54] **INSTALLATION TEMPLATE FOR A DOOR CLOSER**

[54] **GABARIT D'INSTALLATION POUR UN FERME-PORTE**

[72] MYERS, CHRISTOPHER ROGER, US  
[72] LUCAS, CRAIG LAWRENCE, US  
[72] TRUMPINSKI, THOMAS NED, US  
[72] BARTH, CHARLES T., US  
[72] JENSEN, JAMES E., US  
[71] SCHLAGE LOCK COMPANY, US  
[85] 2001-08-08  
[86] 2000-02-07 (PCT/IB00/00126)  
[87] 2000-08-17 (WO00/47854)  
[30] US (09/247,129) 1999-02-09

[21] **2,362,599**  
[13] A1

[51] **Int.Cl. 7A61F 5/445 7B26F 1/36**

[25] EN

[54] **DEVICE IN CONNECTION TO HOLE PUNCHING PLIERS ARRANGED TO PUNCH HOLES IN A SKIN PROTECTION PLATE FOR A STOMA BAG**

[54] **APPAREIL RELIE A DES PINCES DE PERFORATION DESTINEES A PRATIQUER DES TROUS DANS UNE PLAQUE DE PROTECTION CUTANEE D'UNE POCHE POUR STOMIE**

[72] ANDERSON, SVEIN JACOB, NO  
[71] ANDERSON, SVEIN JACOB, NO  
[85] 2001-08-29  
[86] 2000-03-02 (PCT/NO00/00077)  
[87] 2000-09-08 (WO00/51533)  
[30] NO (19991084) 1999-03-04



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[21] **2,362,600**  
[13] A1

[51] **Int.Cl. 7A61F 2/00 7A61F 13/00 7A61K 38/00 7A61K 35/12 7A61K 9/14**  
[25] EN  
[54] **DEVICE AND METHOD FOR REGENERATION AND REPAIR OF CARTILAGE LESIONS**  
[54] **DISPOSITIF ET PROCEDE DE REGENERATION ET DE REPARATION DES LESIONS DU CARTILAGE**  
[72] ATKINSON, BRENT, US  
[72] BENEDICT, JAMES J., US  
[71] SULZER BIOLOGICS INC., US  
[85] 2001-08-14  
[86] 2000-02-16 (PCT/US00/03972)  
[87] 2000-08-24 (WO00/48550)  
[30] US (09/250,370) 1999-02-16

[21] **2,362,601**  
[13] A1

[51] **Int.Cl. 7A01N 31/02 7A01N 33/12 7A01N 31/14 7A01N 47/44**  
[25] EN  
[54] **DEEP PENETRATING ANTIMICROBIAL COMPOSITIONS**  
[54] **COMPOSITIONS ANTIMICROBIENNES A FORTE PENETRATION**  
[72] JAMPANI, HANUMAN, US  
[72] HOLLY, THOMAS F., US  
[72] NEWMAN, ANTHONY WAYNE, US  
[72] NEWMAN, JERRY L., US  
[71] ETHICON, INC., US  
[85] 2001-08-13  
[86] 2000-12-13 (PCT/US00/33689)  
[87] 2001-06-14 (WO01/41567)  
[30] US (09/460,014) 1999-12-13

[21] **2,362,602**  
[13] A1

[51] **Int.Cl. 7G06K 19/06 7G06K 7/12**  
[25] EN  
[54] **INFORMATION CARRIER MEDIUM AND READER FOR READING THE INFORMATION CARRIER MEDIUM**  
[54] **SUPPORT D'INFORMATION ET LECTEUR POUR LA LECTURE DUDIT SUPPORT**  
[72] INABA, HUMIO, JP  
[72] USA, MASASHI, JP  
[72] DEVARAJ, BALASIGAMANI, JP  
[71] NATEC INCORPORATED, JP  
[85] 2001-08-08  
[86] 1999-06-09 (PCT/JP99/03084)  
[87] 2000-08-31 (WO00/51071)  
[30] JP (11/47995) 1999-02-25

[21] **2,362,604**  
[13] A1

[51] **Int.Cl. 7B65D 81/34**  
[25] EN  
[54] **MICROWAVE PACKAGING KIT FOR IMPROVED COOKING PERFORMANCE**  
[54] **NECESSAIRE D'EMBALLAGE MICRO-ONDES A RENDEMENT DE CUISSON ACCRU**  
[72] BONO, JAMES LEE, US  
[72] TUCKER, LEWIS ALEXANDER, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-15  
[86] 2000-02-18 (PCT/US00/04182)  
[87] 2000-08-31 (WO00/50316)  
[30] US (09/255,214) 1999-02-22

[21] **2,362,605**  
[13] A1

[51] **Int.Cl. 7G01N 31/00 7A61B 5/00 7A61M 16/00 7G01N 29/00 7G01N 27/16**  
[25] EN  
[54] **METHODS AND APPARATUS FOR REAL TIME FLUID ANALYSIS**  
[54] **PROCEDES ET APPAREIL D'ANALYSE FLUIDIQUE EN TEMPS REEL**  
[72] DRZEWIECKI, TADEUSZ M., US  
[71] METASENSORS, INC., US  
[85] 2001-08-17  
[86] 2000-02-25 (PCT/US00/04779)  
[87] 2000-08-31 (WO00/50890)  
[30] US (60/121,370) 1999-02-25

[21] **2,362,606**  
[13] A1

[51] **Int.Cl. 7A01N 65/00 7A01N 31/02 7A01N 33/12 7A01N 47/12 7A01N 57/12 7A01N 31/14 7A01N 31/16 7A61L 2/18 7A01N 47/36 7A01N 37/40**  
[25] EN  
[54] **THERAPEUTIC ANTIMICROBIAL COMPOSITIONS**  
[54] **COMPOSITIONS THERAPEUTIQUES ANTIMICROBIENNES**  
[72] JAMPANI, HANUMAN, US  
[72] ELLIS, TIMOTHY, US  
[72] NEWMAN, JERRY L., US  
[71] ETHICON, INC., US  
[85] 2001-08-13  
[86] 2000-12-13 (PCT/US00/33928)  
[87] 2001-06-14 (WO01/41573)  
[30] US (09/460,031) 1999-12-13

[21] **2,362,607**  
[13] A1

[51] **Int.Cl. 7A61L 29/06 7A61L 29/14**  
[25] EN  
[54] **MEDICAL DEVICES MADE FROM POLYMER BLENDS CONTAINING LIQUID CRYSTAL POLYMERS**  
[54] **DISPOSITIFS MEDICAUX FABRIQUES A PARTIR DE MELANGES POLYMERES CONTENANT DES POLYMERES A CRISTAUX LIQUIDES A FAIBLE TEMPERATURE DE FUSION**  
[72] WANG, LIXIAO, US  
[72] CHEN, JIANHUA, US  
[71] BOSTON SCIENTIFIC LIMITED, BB  
[85] 2001-08-24  
[86] 2000-02-15 (PCT/US00/03821)  
[87] 2000-08-31 (WO00/50105)  
[30] US (09/257,677) 1999-02-25

[21] **2,362,608**  
[13] A1

[51] **Int.Cl. 7G01N 33/569 7C07K 14/44**  
[25] EN  
[54] **COMPOUNDS AND METHODS FOR THE DETECTION AND PREVENTION OF T. CRUZI INFECTION**  
[54] **COMPOSES ET METHODES DE DETECTION D'UNE INFECTION PAR T. CRUZI**  
[72] HOUGHTON, RAYMOND L., US  
[72] LODES, MICHAEL J., US  
[72] SMITH, JOHN M., US  
[72] SKEIKY, YASIR A. W., US  
[72] MCNEILL, PATRICIA D., US  
[72] REED, STEVEN G., US  
[71] CORIXA CORPORATION, US  
[85] 2001-08-23  
[86] 2000-02-24 (PCT/US00/04815)  
[87] 2000-08-31 (WO00/50897)  
[30] US (09/256,976) 1999-02-24

[21] **2,362,610**  
[13] A1

[51] **Int.Cl. 7A01J 5/017 7G02B 23/16**  
[25] EN  
[54] **A PROTECTING DEVICE FOR A TEAT LOCALIZER**  
[54] **DISPOSITIF DE PROTECTION POUR DETECTEUR DE PIS**  
[72] BIRK, UZI, SE  
[71] DELAVAL HOLDING AB, SE  
[85] 2001-08-23  
[86] 2000-03-01 (PCT/SE00/00408)  
[87] 2000-09-08 (WO00/51417)  
[30] SE (9900746-0) 1999-03-02

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[21] **2,362,615**  
[13] A1

[51] **Int.Cl. 7F23N 5/00 7F23N 5/10**  
[25] EN  
[54] **OXYGEN DEPLETION SENSOR**  
[54] **SONDE D'OXYGENE A NIVEAUX**  
[72] KWOK, BILL, US  
[72] MONTANA, PETER JR., US  
[71] ROBERTSHAW CONTROLS COMPANY, US  
[85] 2001-08-23  
[86] 2000-02-24 (PCT/US00/04851)  
[87] 2000-08-31 (WO00/50815)  
[30] US (60/121,909) 1999-02-26

[21] **2,362,618**  
[13] A1

[51] **Int.Cl. 7G06F 17/21 7G06F 17/24**  
[25] EN  
[54] **METHOD, COMPUTER PROGRAM PRODUCT AND SYSTEM FOR THE TRANSMISSION OF COMPUTER DATA TO AN OUTPUT DEVICE**  
[54] **PROCEDE, PRODUIT PROGRAMME D'ORDINATEUR ET SYSTEME PERMETTANT LE TRANSFERT DE DONNEES INFORMATIQUES A UN APPAREIL DE SORTIE**  
[72] GREBNER, JURGEN, DE  
[72] SCHWIER, HARTWIG, DE  
[71] OCE PRINTING SYSTEMS GMBH, DE  
[85] 2001-09-04  
[86] 2000-03-15 (PCT/EP00/02310)  
[87] 2000-09-21 (WO00/55760)  
[30] DE (199 11 461.7) 1999-03-15

[21] **2,362,619**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7C12P 19/34**  
[25] EN  
[54] **SNP DETECTION**  
[54] **DETECTION DE POLYMORPHISME NUCLEOTIDIQUE SIMPLE (SNP)**  
[72] ARNOLD, LYLE, US  
[72] BEDILION, TOD, US  
[72] THERIAULT, THOMAS, US  
[71] INCYTE PHARMACEUTICALS, INC., US  
[85] 2001-08-23  
[86] 2000-02-24 (PCT/US00/04876)  
[87] 2000-08-31 (WO00/50869)  
[30] US (09/259,898) 1999-02-26

[21] **2,362,620**  
[13] A1

[51] **Int.Cl. 7H02P 1/26**  
[25] EN  
[54] **POWER SUPPLY**  
[54] **ALIMENTATION EN COURANT**  
[72] HANNA, WILLIAM T., US  
[72] STETS, JOSEPH A., US  
[72] BALL, DAVID A., US  
[71] BATTELLE MEMORIAL INSTITUTE, US  
[85] 2001-08-09  
[86] 2000-02-11 (PCT/US00/03575)  
[87] 2000-08-17 (WO00/48302)  
[30] US (60/199,701) 1999-02-11  
[30] US (UNKNOWN) 2000-02-11

[21] **2,362,621**  
[13] A1

[51] **Int.Cl. 7B65D 81/34**  
[25] EN  
[54] **MICROWAVE PACKAGING WITH IMPROVED DIVIDER**  
[54] **EMBALLAGE MICRO-ONDES A MODELE PERFECTIONNE DE CLOISON DE SEPARATION**  
[72] BONO, JAMES LEE, US  
[72] TUCKER, LEWIS ALEXANDER, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-15  
[86] 2000-02-18 (PCT/US00/04183)  
[87] 2000-08-31 (WO00/50317)  
[30] US (09/255,220) 1999-02-22

[21] **2,362,622**  
[13] A1

[51] **Int.Cl. 7A61F 13/00**  
[25] EN  
[54] **ORTHOTIC OR PROSTHETIC SLEEVE FORMED OF ELASTICIZED FABRIC SECTIONS HAVING DIFFERENT ELASTIC STIFFNESS**  
[54] **MANCHON PROTHETIQUE OU ORTHETIQUE D'ELASTICITE VARIABLE COMPORTANT DE MULTIPLES SECTIONS**  
[72] EINARSSON, PALMI, IS  
[72] JANUSSON, HILMAR B., IS  
[72] ASGEIRSSON, SIGURDUR, IS  
[71] OSSUR HF, IS  
[85] 2001-08-30  
[86] 2000-03-01 (PCT/US00/03706)  
[87] 2000-09-08 (WO00/51537)  
[30] US (60/122,320) 1999-03-01

[21] **2,362,625**  
[13] A1

[51] **Int.Cl. 7A23B 4/24 7A01N 59/00 7A01N 61/00 7A23B 4/08 7A23L 3/358 7A01N 37/36 7A23L 3/37**  
[25] EN  
[54] **FROZEN CHLORINE DIOXIDE-CONTAINING COMPOSITION AND METHODS RELATED THERETO**  
[54] **COMPOSITION CONTENANT DU DIOXYDE DE CHLORE CONGELE ET PROCEDES ASSOCIES**  
[72] KROSS, ROBERT D., US  
[72] KEMP, G. KERE, US  
[71] ALCIDE CORPORATION, US  
[85] 2001-08-15  
[86] 2000-02-17 (PCT/US00/04107)  
[87] 2000-08-24 (WO00/48470)  
[30] US (09/251,980) 1999-02-18

[21] **2,362,628**  
[13] A1

[51] **Int.Cl. 7A61B 8/06**  
[25] EN  
[54] **MEASURING VOLUME FLOW AND AREA FOR A DYNAMIC ORIFICE**  
[54] **MESURE D'UN DEBIT VOLUMETRIQUE ET D'UNE SUPERFICIE D'UN ORIFICE DYNAMIQUE**  
[72] LEVINE, ROBERT A., US  
[72] MUCCI, RONALD A., US  
[72] BUCK, THOMAS, US  
[71] THE GENERAL HOSPITAL CORPORATION, US  
[71] AGILENT TECHNOLOGIES, US  
[85] 2001-09-05  
[86] 2000-02-18 (PCT/US00/04303)  
[87] 2000-09-08 (WO00/51495)  
[30] US (60/122,926) 1999-03-05  
[30] US (09/467,165) 1999-12-20

[21] **2,362,629**  
[13] A1

[51] **Int.Cl. 7A61F 5/00**  
[25] EN  
[54] **PELVIC SUPPORT AND WALKING ASSISTANCE DEVICE**  
[54] **DISPOSITIF DE SOUTIEN PELVIEN ET D'AIDE A LA DEAMBULATION**  
[72] KILLIAN, JAMES M., US  
[72] CRAWFORD, MICHAEL K., US  
[71] KILLIAN, JAMES M., US  
[71] CRAWFORD, MICHAEL K., US  
[85] 2001-08-14  
[86] 2000-02-14 (PCT/US00/03696)  
[87] 2000-08-24 (WO00/48536)  
[30] US (09/251,010) 1999-02-16

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[21] **2,362,631**  
[13] A1  
[51] **Int.Cl. 7G01F 1/34 7G01F 15/06**  
[25] EN  
[54] **FLOW MEASUREMENT WITH DIAGNOSTICS**  
[54] **DEBITMETRE POURVU D'UNE FONCTION DE DIAGNOSTIC**  
[72] KAVAKLIOGLU, KADIR, US  
[72] ERYUREK, EVREN, US  
[71] ROSEMOUNT INC., US  
[85] 2001-08-27  
[86] 2000-02-24 (PCT/US00/04978)  
[87] 2000-08-31 (WO00/50851)  
[30] US (09/257,896) 1999-02-25

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[21] **2,362,634**  
[13] A1  
[51] **Int.Cl. 7H04L 29/06 7G06F 17/60**  
[25] EN  
[54] **DATA COMMUNICATION METHOD FOR SENDING A MESSAGE THROUGH A FIREWALL**  
[54] **PROCEDE DE COMMUNICATION POUR ENVOYER UN MESSAGE A TRAVERS UN COUPE-FEU**  
[72] PIETIKAINEN, PANU, FI  
[71] INTRASECURE NETWORKS OY, FI  
[85] 2001-08-09  
[86] 2000-02-03 (PCT/FI00/00075)  
[87] 2000-08-17 (WO00/48372)  
[30] FI (990265) 1999-02-10

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[21] **2,362,635**  
[13] A1  
[51] **Int.Cl. 7G01D 5/48 7G08C 17/02 7G01K 11/06**  
[25] EN  
[54] **EVENT-RECORDING DEVICE HAVING AN IDENTIFICATION CODE**  
[54] **DISPOSITIF D'ENREGISTREMENT D'EVENEMENTS A CODES D'IDENTIFICATION**  
[72] WATTERS, DAVID G., US  
[72] BAHR, ALFRED J., US  
[72] HUESTIS, DAVID L., US  
[71] SRI INTERNATIONAL, US  
[85] 2001-08-17  
[86] 2000-02-25 (PCT/US00/04998)  
[87] 2000-08-31 (WO00/50849)  
[30] US (09/258,073) 1999-02-26

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[21] **2,362,637**  
[13] A1  
[51] **Int.Cl. 7G02B 5/124 7G02B 1/10 7G02B 5/128**  
[25] EN  
[54] **RETROREFLECTIVE ARTICLES HAVING POLYMER MULTILAYER REFLECTIVE COATINGS**  
[54] **ARTICLES RETROREFLECHISSANTS A REVETEMENTS REFLECHISSANTS MULTICOUCHES EN POLYMERE**  
[72] FLEMING, ROBERT J., US  
[72] MCGRATH, JOSEPH M., US  
[72] LYONS, CHRISTOPHER S., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2001-08-08  
[86] 1999-05-27 (PCT/US99/11646)  
[87] 2000-08-31 (WO00/50931)  
[30] US (09/259,100) 1999-02-26

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[21] **2,362,638**  
[13] A1  
[51] **Int.Cl. 7C22C 1/00 7C22C 14/00 7C22C 30/00 7C22C 27/06 7C22F 1/11 7C22F 1/18**  
[25] EN  
[54] **HYDROGEN STORAGE ALLOY AND METHOD FOR PREPARING THE SAME**  
[54] **ALLIAGE DE STOCKAGE D'HYDROGENE ET SON PROCEDE PREPARATION**  
[72] OKADA, MASUO, JP  
[72] KURIIWA, TAKAHIRO, JP  
[71] TOHOKU TECHNO ARCH CO., LTD, JP  
[85] 2001-08-09  
[86] 2000-03-30 (PCT/JP00/02056)  
[87] 2001-06-21 (WO01/44525)  
[30] JP (11/359899) 1999-12-17

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[21] **2,362,639**  
[13] A1  
[51] **Int.Cl. 7C02F 5/08 7C02F 5/14**  
[25] EN  
[54] **PROCESS FOR REMOVING DEPOSITS FROM WATER-CARRYING SYSTEMS AND DEVICES FOR WATER SUPPLY**  
[54] **PROCEDE POUR ENLEVER DES DEPOTS PRESENTS DANS DES SYSTEMES AQUIFERES ET DES INSTALLATIONS DE DISTRIBUTION D'EAU**  
[72] NURNBERGER, MICHAEL, DE  
[72] MAIER, GEORG, DE  
[72] NUSKO, ROBERT, DE  
[71] R. SPANE KG, DE  
[85] 2001-08-09  
[86] 2000-12-11 (PCT/DE00/04426)  
[87] 2001-06-14 (WO01/42148)  
[30] DE (199 59 592.5) 1999-12-10  
[30] DE (100 04 581.2) 2000-02-02

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[21] **2,362,645**  
[13] A1  
[51] **Int.Cl. 7H04B 7/216**  
[25] EN  
[54] **METHOD OF INVERSE MULTIPLEXING FOR ATM**  
[54] **PROCEDE DE MULTIPLEXAGE INVERSE POUR ATM**  
[72] COUNTERMAN, RAYMOND C., US  
[71] VERIZON LABORATORIES INC., US  
[85] 2001-08-09  
[86] 2000-02-07 (PCT/US00/03116)  
[87] 2000-08-17 (WO00/48408)  
[30] US (09/247,832) 1999-02-10

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[21] **2,362,646**  
[13] A1  
[51] **Int.Cl. 7B21J 15/34 7B21J 15/04**  
[25] EN  
[54] **RIVETING TOOL**  
[54] **OUTIL A RIVETER**  
[72] GILBERT, TERENCE, GB  
[72] SAXON, JOHN WILLIAM CHARLES, GB  
[71] TEXTRON FASTENING SYSTEMS LIMITED, GB  
[85] 2001-08-03  
[86] 2000-12-06 (PCT/GB00/04614)  
[87] 2001-06-14 (WO01/41953)  
[30] GB (9928670.0) 1999-12-06

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[21] **2,362,647**  
[13] A1  
[51] **Int.Cl. 7G01N 33/50 7A61K 45/00 7A61P 9/00 7A61P 35/00 7A61P 43/00 7A01K 67/027 7G01N 33/15**  
[25] EN  
[54] **SCREENING METHOD WITH THE USE OF MOUSE SUFFERING FROM NEUROFILIN 1 GENE FUNCTION DISRUPTION**  
[54] **METHODE DE CRIBLAGE UTILISANT UNE SOURIS ATTEINTE D'UNE DISRUPTION GENIQUE FONCTIONNELLE DE LA NEUROFILINE 1**  
[72] KITSUKAWA, TAKASHI, JP  
[72] YAGI, TAKESHI, JP  
[72] FUJISAWA, HAJIME, JP  
[72] KAWASAKI, TAKAHIKO, JP  
[71] JAPAN SCIENCE AND TECHNOLOGY CORPORATION, JP  
[85] 2001-08-10  
[86] 2000-10-06 (PCT/JP00/06982)  
[87] 2001-06-14 (WO01/42785)  
[30] JP (11-352688) 1999-12-13

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[21] **2,362,648**  
[13] A1  
[51] **Int.Cl. 7B63H 1/26 7F03D 11/02 7F01D 5/14 7B64C 11/16 7F04D 29/38**  
[25] EN  
[54] **LOW SPEED COOLING FAN**  
[54] **VENTILATEUR DE REFROIDISSEMENT TOURNANT A PETITE VITESSE**  
[72] FAIRBANK, WILLIAM C., US  
[72] BOYD, WALTER K., US  
[71] MECHANIZATION SYSTEMS COMPANY, INC., US  
[85] 2001-08-09  
[86] 2000-02-11 (PCT/US00/03675)  
[87] 2000-08-24 (WO00/49342)  
[30] US (09/253,589) 1999-02-19

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[21] **2,362,649**  
[13] A1  
[51] **Int.Cl. 7C12N 15/06 7A61P 11/00 7A61P 35/00 7A61P 11/04 7A61P 35/04 7A61P 11/06 7C12N 5/10 7A61P 11/10 7A61P 31/12 7C12Q 1/37 7A61K 39/395 7C07K 16/40 7G01N 33/573 7G01N 33/577**  
[25] EN  
[54] **ANTIBODY BINDING TO HUMAN AIRWAY TRYPSIN-LIKE ENZYME AND UTILIZATION THEREOF**  
[54] **ANTICORPS SE LIANT A L'ENZYME DU TYPE TRYPSINE DES VOIES AERIENNES HUMAINES ET SON UTILISATION**  
[72] EGUCHI, HIROSHI, JP  
[72] YAMAOKA, KAZUYOSHI, JP  
[72] YASUOKA, SUSUMU, JP  
[72] OGAWA, HIROKO, JP  
[71] TEIJIN LIMITED, JP  
[85] 2001-08-03  
[86] 2000-12-04 (PCT/JP00/08579)  
[87] 2001-06-14 (WO01/42450)  
[30] JP (11/345890) 1999-12-06

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[21] **2,362,650**  
[13] A1  
[51] **Int.Cl. 7C12N 15/54 7C12N 9/10 7C12Q 1/68 7C12N 15/82**  
[25] EN  
[54] **LYSOPHOSPHATIDIC ACID ACETYLTRANSFERASES**  
[54] **ACIDE LYSOPHOSPHATIDIQUE ACYLTRANSFERASE (LPAAT)**  
[72] HITZ, WILLIAM D., US  
[72] KINNEY, ANTHONY J., US  
[72] RIPP, KEVIN G., US  
[72] CAHOON, EDGAR B., US  
[72] CAHOON, REBECCA E., US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2001-08-09  
[86] 2000-02-22 (PCT/US00/04526)  
[87] 2000-08-24 (WO00/49156)  
[30] US (60/121,119) 1999-02-22

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[21] **2,362,651**  
[13] A1  
[51] **Int.Cl. 7H02J 3/18**  
[25] EN  
[54] **SUB-HARMONIC DETECTION AND CONTROL SYSTEM**  
[54] **DETECTION SUB-HARMONIQUE ET SYSTEME DE COMMANDE**  
[72] MISKE, STANLEY A., JR., US  
[72] SAHM, WILLIAM HERBERT III, US  
[72] KERN, JOHN MICHAEL, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2001-08-09  
[86] 2000-12-11 (PCT/US00/33510)  
[87] 2001-06-28 (WO01/47086)  
[30] US (09/466,827) 1999-12-20

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[21] **2,362,652**  
[13] A1  
[51] **Int.Cl. 7C09D 183/00 7G02B 1/10 7C09D 7/12**  
[25] EN  
[54] **COATING COMPOSITION AND METHOD FOR PREPARATION THEREOF**  
[54] **COMPOSITION DE REVETEMENT ET METHODE DE PREPARATION**  
[72] KANO, KENICHIRO, JP  
[72] ABE, TAKASHI, JP  
[71] TOKUYAMA CORPORATION, JP  
[85] 2001-08-03  
[86] 2000-12-05 (PCT/JP00/08606)  
[87] 2001-06-14 (WO01/42381)  
[30] JP (11/346673) 1999-12-06

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[21] **2,362,653**  
[13] A1  
[51] **Int.Cl. 7G02B 6/12**  
[25] EN  
[54] **ARRAY WAVEGUIDE GRATING AND METHOD OF MANUFACTURE THEREOF**  
[54] **GRILLE DE GUIDE D'ONDES EN RESEAU ET SON PRECEDE DE FABRICATION**  
[72] UETSUKA, HISATO, JP  
[72] CHIBA, TAKAFUMI, JP  
[72] MARU, KOICHI, JP  
[72] OKAWA, MASAHIRO, JP  
[71] HITACHI CABLE LTD., JP  
[85] 2001-08-07  
[86] 2000-12-08 (PCT/JP00/08715)  
[87] 2001-06-14 (WO01/42833)  
[30] JP (11/350257) 1999-12-09

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[21] **2,362,655**  
[13] A1

[51] **Int.Cl. 7G03H 1/04 7H01S 5/12**  
[25] EN  
[54] **PRODUCTION METHOD AND DEVICE FOR HOLOGRAM**  
[54] **DISPOSITIF ET PROCEDE DE PRODUCTION D'UN HOLOGRAMME**  
[72] HIRANO, MASAHIRO, JP  
[72] HOSONO, HIDEO, JP  
[72] SARUKURA, NOBUHIKO, JP  
[72] KAWAMURA, KENICHI, JP  
[71] JAPAN SCIENCE AND TECHNOLOGY CORPORATION, JP  
[85] 2001-08-10  
[86] 2000-12-14 (PCT/JP00/08883)  
[87] 2001-06-21 (WO01/44879)  
[30] JP (11/359815) 1999-12-17  
[30] JP (2000-312715) 2000-10-12

[21] **2,362,657**  
[13] A1

[51] **Int.Cl. 7H05H 1/26 7B22D 11/10 7H05B 7/18**  
[25] EN  
[54] **TRANSFER-TYPE PLASMA HEATING ANODE**  
[54] **ANODE DE CHAUFFAGE DE PLASMA DE TYPE TRANSFERT**  
[72] KAWACHI, TAKESHI, JP  
[72] YAMAMURA, KAZUTO, JP  
[72] KINOSHITA, JUNICHI, JP  
[72] MITAKE, HIROYUKI, JP  
[72] IMANAGA, KATSUHIRO, JP  
[72] KAWABATA, TERUO, JP  
[72] DOKI, MASAHIRO, JP  
[72] KIMURA, YOSHIAKI, JP  
[71] NIPPON STEEL CORPORATION, JP  
[85] 2001-08-10  
[86] 2000-12-13 (PCT/JP00/08828)  
[87] 2001-06-14 (WO01/43511)  
[30] JP (11-353772) 1999-12-13  
[30] JP (11-353773) 1999-12-13

[21] **2,362,658**  
[13] A1

[51] **Int.Cl. 7A61F 2/28**  
[25] EN  
[54] **IN VITRO PRODUCTION OF TRANSPLANTABLE CARTILAGE TISSUE**  
[54] **PRODUCTION IN VITRO DE TISSUS CARTILAGINEUX TRANSPLANTABLES**  
[72] MASUDA, KOICHI, US  
[72] THONAR, EUGENE J.-M. A., US  
[72] HEJNA, MICHAEL, US  
[71] RUSH-PRESBYTERIAN ST. LUKE'S MEDICAL CENTER, US  
[85] 2001-08-24  
[86] 2000-02-29 (PCT/US00/05112)  
[87] 2000-09-08 (WO00/51527)  
[30] US (09/260,741) 1999-03-01

[21] **2,362,659**  
[13] A1

[51] **Int.Cl. 7F01C 21/04**  
[25] EN  
[54] **COALESCING DEVICE AND METHOD FOR REMOVING PARTICLES FROM A ROTARY GAS COMPRESSOR**  
[54] **DISPOSITIF COALESCENT ET PROCEDE PERMETTANT D'ENLEVER DES PARTICULES D'UN COMPRESSEUR A GAZ ROTATIF**  
[72] HOLT, JAMES A., US  
[71] COMPRESSOR SYSTEMS, INC., US  
[85] 2001-08-03  
[86] 2000-02-04 (PCT/US00/03195)  
[87] 2000-08-10 (WO00/46502)  
[30] US (09/244,809) 1999-02-05

[21] **2,362,660**  
[13] A1

[51] **Int.Cl. 7C02F 1/48**  
[25] EN  
[54] **SYSTEM FOR TREATING FLUIDS IN AN ELECTRIC FIELD**  
[54] **SYSTEME DE TRAITEMENT DE FLUIDES DANS UN CHAMP ELECTRIQUE**  
[72] DE BAAT DOELMAN, JAN PIETER, NL  
[71] DE BAAT DOELMAN, JAN PIETER, NL  
[85] 2001-08-14  
[86] 2000-02-11 (PCT/NL00/00084)  
[87] 2000-08-17 (WO00/47522)  
[30] NL (1011304) 1999-02-15

[21] **2,362,662**  
[13] A1

[51] **Int.Cl. 7C07F 9/22 7C07F 9/09**  
[25] EN  
[54] **PHOSPHORAMIDATE, AND MONO-, DI-, AND TRI-PHOSPHATE ESTERS OF (1R, CIS)-4-(6-AMINO-9H-PURIN-9-YL)-2-CYCLOPENTENE-1-METHANOL AS ANTIVIRAL AGENTS**  
[54] **PHOSPHORAMIDATE, ET ESTERS DE MONO-, DI-, ET TRI-PHOSPHATE DE (1R, CIS)-4-(6-AMINO-9H-PURIN-9-YL)-2-CYCLOPENTENE-1-METHANOL UTILISES COMME AGENTS ANTIVIRAUX**  
[72] MCGUIGAN, CHRISTOPHER, GB  
[72] DALUGE, SUSAN MARY, US  
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB  
[71] GLAXO GROUP LIMITED, GB  
[85] 2001-08-09  
[86] 2000-02-10 (PCT/EP00/01045)  
[87] 2000-08-17 (WO00/47591)  
[30] GB (9903090.0) 1999-02-12  
[30] US (60/170,205) 1999-12-10

[21] **2,362,663**  
[13] A1

[51] **Int.Cl. 7C11B 3/00 7A23L 1/015**  
[25] EN  
[54] **METHOD FOR MANUFACTURING REFINED FISH OIL**  
[54] **PROCEDE DE FABRICATION D'HUILE DE POISSON RAFFINEE**  
[72] LEE, SANG HAK, KR  
[72] LEE, JOO YEON, KR  
[71] LEE, SANG HAK, KR  
[71] LEE, JOO YEON, KR  
[85] 2001-08-07  
[86] 2000-03-16 (PCT/KR00/00219)  
[87] 2001-06-14 (WO01/42403)  
[30] KR (1999/57190) 1999-12-13

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[21] **2,362,664**  
[13] A1

[51] **Int.Cl. 7A61K 38/17 7A61P 1/18 7A61K 47/42**  
[25] EN  
[54] **UTILIZATION OF OROSOMUCOID IN ORDER TO PRODUCE A PHARMACEUTICAL PREPARATION**  
[54] **UTILISATION D'OROSOMUCOIDE POUR LA PRODUCTION D'UNE PREPARATION PHARMACEUTIQUE**  
[72] PICHLER, LUDWIG, AT  
[72] AUER, WILFRIED, AT  
[72] MUCHITSCH, EVA-MARIA, AT  
[72] SCHWARZ, HANS-PETER, AT  
[71] BAXTER AKTIENGESELLSCHAFT, AT  
[85] 2001-08-09  
[86] 2000-02-15 (PCT/AT00/00038)  
[87] 2000-08-24 (WO00/48624)  
[30] AT (A 271/99) 1999-02-18

[21] **2,362,666**  
[13] A1

[51] **Int.Cl. 7G01J 4/00 7G01N 21/21**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DETECTING POLARIZATION**  
[54] **APPAREIL ET PROCEDE DE DETECTION DE LA POLARISATION**  
[72] LEE, BONG-WAN, KR  
[72] JEONG, HO-JIN, KR  
[71] DONAM SYSTEMS INC., KR  
[85] 2001-08-07  
[86] 2000-10-06 (PCT/KR00/01112)  
[87] 2001-06-14 (WO01/42749)  
[30] KR (1999/55885) 1999-12-08

[21] **2,362,667**  
[13] A1

[51] **Int.Cl. 7B02C 7/12 7D21B 1/14 7D21D 1/30**  
[25] EN  
[54] **REFINING ELEMENT**  
[54] **ELEMENT DE RAFFINEMENT**  
[72] VIRVING, NILS, SE  
[71] VALMET FIBERTECH AB, SE  
[85] 2001-08-30  
[86] 2000-03-03 (PCT/SE00/00420)  
[87] 2000-09-28 (WO00/56459)  
[30] SE (9901020-9) 1999-03-19

[21] **2,362,668**  
[13] A1

[51] **Int.Cl. 7B29D 11/00**  
[25] EN  
[54] **MOLDS FOR USE IN CONTACT LENS PRODUCTION**  
[54] **MOULES UTILISES POUR LA PRODUCTION DE LENTILLES DE CONTACT**  
[72] CLUTTERBUCK, TIMOTHY A., US  
[71] JOHNSON & JOHNSON VISION CARE, INC., US  
[85] 2001-08-07  
[86] 2000-11-21 (PCT/US00/32332)  
[87] 2001-06-14 (WO01/42001)  
[30] US (09/457,830) 1999-12-09

[21] **2,362,669**  
[13] A1

[51] **Int.Cl. 7C07J 1/00 7A61K 31/58**  
[25] EN  
[54] **EPLERENONE CRYSTALLINE FORM EXHIBITING ENHANCED DISSOLUTION RATE**  
[54] **FORME CRISTALLINE D'EPLERENONE POSSEDANT UNE VITESSE DE DISSOLUTION ACCRUE**  
[72] GANSER, SCOTT, US  
[72] BARTON, KATHLEEN P., US  
[72] DESAI, SUBHASH, US  
[72] CARLOS, MARLON V., US  
[72] FERRO, LEONARD J., US  
[72] GAUD, HENRY T., US  
[72] BORCHARDT, THOMAS B., US  
[72] PILIPPAUSKAS, DANIEL R., US  
[72] PIETZ, MARK A., US  
[72] MUDIPALLI, PARTHA S., US  
[72] LITTLE, CLAY R., US  
[72] SING, YUEN-LUNG L., US  
[72] STAHL, GLENN L., US  
[72] YAN, CHRIS Y., US  
[72] WIECZOREK, JOSEPH J., US  
[71] PHARMACIA CORPORATION, US  
[85] 2001-08-07  
[86] 2000-12-04 (PCT/US00/32416)  
[87] 2001-06-14 (WO01/42272)  
[30] US (60/169,682) 1999-12-08  
[30] US (60/169,608) 1999-12-08  
[30] US (60/169,556) 1999-12-08  
[30] US (60/169,690) 1999-12-08  
[30] US (60/169,807) 1999-12-08  
[30] US (60/169,639) 1999-12-08

[21] **2,362,670**  
[13] A1

[51] **Int.Cl. 7A61K 49/00**  
[25] EN  
[54] **MATRIPTASE, A SERINE PROTEASE AND ITS APPLICATIONS**  
[54] **MATRIPTASE, PROTEASE DE LA SERINE, ET SON UTILISATION**  
[72] DICKSON, ROBERT B., US  
[72] LIN, CHEN-YONG, US  
[72] ENYEDY, ISTVAN, US  
[72] WANG, SHAOMENG, US  
[72] JOHNSON, MICHAEL, US  
[71] GEORGETOWN UNIVERSITY, US  
[85] 2001-09-12  
[86] 2000-03-10 (PCT/US00/06111)  
[87] 2000-09-14 (WO00/53232)  
[30] US (60/124,006) 1999-03-12

[21] **2,362,671**  
[13] A1

[51] **Int.Cl. 7A61M 25/01**  
[25] EN  
[54] **DIRECTIONAL GUIDEWIRE**  
[54] **FIL-GUIDE DIRECTIONNEL**  
[72] WHITE, GEOFFREY H., AU  
[72] FOSTER, STU, US  
[72] YU, WEIYUN, AU  
[71] BAXTER INTERNATIONAL INC., US  
[71] ENDOGAD RESEARCH PTY LIMITED, AU  
[85] 2001-08-13  
[86] 1999-12-23 (PCT/US99/30974)  
[87] 2000-09-14 (WO00/53250)  
[30] AU (PP 9075) 1999-03-08

[21] **2,362,672**  
[13] A1

[51] **Int.Cl. 6B22F 1/00**  
[25] EN  
[54] **AN APPARATUS FOR BONDING A PARTICLE MATERIAL TO NEAR THEORETICAL DENSITY**  
[54] **APPAREIL POUR LIER UN MATERIAU PARTICULAIRE DE SORTE QU'IL PRESENTE UNE DENSITE PROCHE DE LA DENSITE THEORIQUE**  
[72] YOO, SANG H., US  
[72] SETHURAM, KRUPASHANKARA M., US  
[72] SUDARSHAN, TIRUMALAI S., US  
[71] MATERIALS MODIFICATION INC., US  
[85] 2001-08-21  
[86] 1999-03-25 (PCT/US99/04271)  
[87] 2000-09-28 (WO00/56485)  
[30] US (09/274,878) 1999-03-23

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[21] **2,362,673**  
[13] A1

[51] **Int.Cl. 7C07D 231/12 7A61P 29/00 7A61K 31/415**  
[25] EN  
[54] **SOLID-STATE FORM OF CELECOXIB HAVING ENHANCED BIOAVAILABILITY**  
[54] **FORME SOLIDE DE CELECOXIB, PRESENTANT UNE BIODISPONIBILITE ACCRUE**  
[72] HAGEMAN, MICHAEL J., US  
[72] HE, XIAORONG, US  
[72] MIYAKE, PATRICIA J., US  
[72] ROHRS, BRIAN R., US  
[72] STEFANSKI, KEVIN J., US  
[72] KARARLI, TUGRUL T., US  
[72] MACKIN, LESLEY A., US  
[71] PHARMACIA CORPORATION, US  
[85] 2001-08-07  
[86] 2000-12-06 (PCT/US00/32435)  
[87] 2001-06-14 (WO01/42221)  
[30] US (60/169,856) 1999-12-08  
[30] US (UNKNOWN) 2000-12-01

[21] **2,362,674**  
[13] A1

[51] **Int.Cl. 7G06M 7/06 7G06K 9/00 7B07C 1/04 7A63F 1/06**  
[25] EN  
[54] **INSPECTION OF PLAYING CARDS**  
[54] **DISPOSITIF DE CONTROLE DE CARTES A JOUER**  
[72] PURTON, WILLIAM WESTMORE, AU  
[71] DOLPHIN ADVANCED TECHNOLOGIES PTY. LIMITED, AU  
[85] 2001-08-09  
[86] 2000-02-24 (PCT/AU00/00150)  
[87] 2000-08-31 (WO00/51076)  
[30] AU (PP 8871) 1999-02-24  
[30] AU (PQ 1444) 1999-07-06  
[30] AU (PQ 4297) 1999-11-24

[21] **2,362,675**  
[13] A1

[51] **Int.Cl. 7C07D 231/12 7A61P 29/00 7A61K 31/415**  
[25] EN  
[54] **POLYMORPHIC CRYSTALLINE FORMS OF CELECOXIB**  
[54] **FORMES POLYMORPHES CRISTALLINES DU CELECOXIBE**  
[72] MIYAKE, PATRICIA J., US  
[72] FERRO, LEONARD J., US  
[71] PHARMACIA CORPORATION, US  
[85] 2001-12-01  
[86] 2000-12-01 (PCT/US00/32760)  
[87] 2001-06-14 (WO01/42222)  
[30] US (60/169,856) 1999-12-09

[21] **2,362,676**  
[13] A1

[51] **Int.Cl. 7B23C 5/22**  
[25] EN  
[54] **CUTTING INSERT**  
[54] **PIECE RAPPORTEE DE COUPE**  
[72] DEROCHE, KENNETH G., US  
[71] KENNAMETAL INC., US  
[85] 2001-08-28  
[86] 2000-02-25 (PCT/US00/04883)  
[87] 2000-09-28 (WO00/56493)  
[30] US (09/273,133) 1999-03-19

[21] **2,362,677**  
[13] A1

[51] **Int.Cl. 7A63B 21/04**  
[25] EN  
[54] **REFORMER EXERCISE APPARATUS**  
[54] **EXERCISEUR DE TYPE =**  
[72] JANOWSKI, BRIAN, US  
[72] ENDELMAN, KEN, US  
[71] BALANCED BODY, INC., US  
[85] 2001-09-07  
[86] 2000-03-10 (PCT/US00/06355)  
[87] 2000-09-14 (WO00/53267)  
[30] US (09/266,286) 1999-03-11  
[30] US (09/275,755) 1999-03-25  
[30] US (09/521,555) 2000-03-09

[21] **2,362,678**  
[13] A1

[51] **Int.Cl. 7B29C 55/18 7A61F 13/15**  
[25] EN  
[54] **METHOD OF MODIFYING A NONWOVEN FIBROUS WEB FOR USE AS A COMPONENT OF A DISPOSABLE ABSORBENT ARTICLE**  
[54] **PROCEDE PERMETTANT DE MODIFIER UN VOILE FIBREUX NON TISSE DESTINE A ETRE UTILISE COMME COMPOSANT D'UN ARTICLE ABSORBANT JETABLE**  
[72] BENSON, DOUGLAS HERRIN, US  
[72] CURRO, JOHN JOSEPH, US  
[72] DOBRIN, GEORGE CHRISTOPHER, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-09-11  
[86] 2000-03-22 (PCT/US00/07583)  
[87] 2000-09-28 (WO00/56522)  
[30] US (09/274,946) 1999-03-23

[21] **2,362,679**  
[13] A1

[51] **Int.Cl. 7G08B 13/24**  
[25] EN  
[54] **ELECTRONIC ARTICLE SURVEILLANCE MARKERS FOR OPTICALLY RECORDED MEDIA**  
[54] **MARQUEURS DE SURVEILLANCE D'ARTICLES ELECTRONIQUES POUR SUPPORTS D'ENREGISTREMENT OPTIQUES**  
[72] TSAI, CHING-LONG, US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2001-08-09  
[86] 1999-06-23 (PCT/US99/14102)  
[87] 2000-08-31 (WO00/51092)  
[30] US (09/258,460) 1999-02-26

[21] **2,362,681**  
[13] A1

[51] **Int.Cl. 7G09F 19/18 7G06F 17/30**  
[25] EN  
[54] **DIGITAL INFORMATION SYSTEM**  
[54] **SYSTEME D'INFORMATION NUMERIQUE**  
[72] JONASON, JOAKIM, SE  
[72] HYLIN, MATS, SE  
[72] DAHLGREN, MATS, SE  
[71] DHJ MEDIA AB, SE  
[85] 2001-08-09  
[86] 2000-02-16 (PCT/SE00/00302)  
[87] 2000-08-31 (WO00/51101)  
[30] SE (9900636-3) 1999-02-23

[21] **2,362,682**  
[13] A1

[51] **Int.Cl. 7G09F 19/18 7G06F 17/30**  
[25] EN  
[54] **DIGITAL INFORMATION SYSTEM**  
[54] **SYSTEME D'INFORMATION NUMERIQUE**  
[72] HYLIN, MATS, SE  
[72] JONASON, JOAKIM, SE  
[72] DAHLGREN, MATS, SE  
[71] DHJ MEDIA AB, SE  
[85] 2001-08-09  
[86] 2000-02-16 (PCT/SE00/00303)  
[87] 2000-08-31 (WO00/51102)  
[30] SE (9900637-1) 1999-02-23

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[21] **2,362,683**  
[13] A1  
[51] **Int.Cl. 7B01F 5/06 7B29B 7/42**  
[25] EN  
[54] **MIXER FOR MIXING A STREAM OF MATERIAL**  
[54] **MELANGEUR DE FLUX DE MATERIAUX**  
[72] KLEIN, RON J., US  
[71] KLEIN, RON J., US  
[85] 2001-08-13  
[86] 2000-02-14 (PCT/US00/03748)  
[87] 2000-08-24 (WO00/48720)  
[30] US (09/252,251) 1999-02-18  
[30] US (09/335,332) 1999-06-17

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[21] **2,362,684**  
[13] A1  
[51] **Int.Cl. 7B29D 9/00 7B32B 27/00 7B29D 23/00 7B32B 3/02 7B32B 3/26**  
[25] EN  
[54] **SYNTHETIC CLOSURE**  
[54] **FERMETURE SYNTHETIQUE**  
[72] ALLMAN, MICHAEL, US  
[72] LAUER, EDUARDO, US  
[71] NOMACORC, LLC, US  
[85] 2001-08-09  
[86] 2000-02-29 (PCT/US00/05120)  
[87] 2000-09-28 (WO00/56526)  
[30] US (09/275,488) 1999-03-24

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[21] **2,362,686**  
[13] A1  
[51] **Int.Cl. 6H02K 21/24**  
[25] EN  
[54] **PERMANENT MAGNET D.C. MOTOR HAVING A RADIALY-DISPOSED WORKING FLUX GAP**  
[54] **MOTEUR A COURANT CONTINU A AIMANTS PERMANENTS A ENTREFER DE TRAVAIL DISPOSE RADIALEMENT**  
[72] PETERSEN, CHRISTIAN C., US  
[71] PETERSEN TECHNOLOGY CORPORATION, US  
[85] 2001-08-09  
[86] 1999-02-22 (PCT/US99/03808)  
[87] 2000-08-31 (WO00/51224)

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[21] **2,362,687**  
[13] A1  
[51] **Int.Cl. 7C07C 1/04 7C07C 27/06**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN**  
[54] **PROCEDE DE PREPARATION D'HYDROCARBURES A PARTIR DE MONOXYDE DE CARBONE ET D'HYDROGENE**  
[72] LANGE, JEAN-PAUL, NL  
[72] MAXWELL, IAN ERNEST, NL  
[72] SCHEFFER, BOB, NL  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 2001-08-09  
[86] 2000-02-10 (PCT/EP00/01153)  
[87] 2000-08-24 (WO00/48969)  
[30] EP (99301099.0) 1999-02-15

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[21] **2,362,688**  
[13] A1  
[51] **Int.Cl. 7B65H 29/60 7B65H 29/66 7B65H 29/70**  
[25] EN  
[54] **DEVICE FOR TRANSFERRING PRODUCTS BETWEEN CONVEYOR PATHS**  
[54] **DISPOSITIF POUR TRANSFERER DES PRODUITS ENTRE DES PARCOURS DE TRANSPORT**  
[72] A.W. GROENENDIJK, NIEK, NL  
[71] FERAG AG, CH  
[85] 2001-09-05  
[86] 1999-12-27 (PCT/CH99/00627)  
[87] 2000-09-28 (WO00/56648)  
[30] CH (520/99) 1999-03-19

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[21] **2,362,689**  
[13] A1  
[51] **Int.Cl. 7A61N 7/00**  
[25] EN  
[54] **DUAL TRANSDUCER ULTRASOUND LYSIS METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE LYSE A TRANSDUCTEUR DOUBLE A ULTRASONS**  
[72] ROSENSCHEIN, URI, IL  
[72] ESHEL, YORAM, IL  
[72] FURMAN, VLADIMIR, IL  
[72] FABIAN, IZHAK, IL  
[72] KERNER, EFIM, IL  
[71] ANGIOSONICS INC., US  
[85] 2001-09-06  
[86] 2000-03-08 (PCT/US00/05982)  
[87] 2000-09-14 (WO00/53263)  
[30] US (09/264,343) 1999-03-08

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[21] **2,362,691**  
[13] A1  
[51] **Int.Cl. 7B01D 15/00 7B01D 17/02 7C02F 1/28**  
[25] EN  
[54] **PROCESS FOR REMOVING HYDROCARBONS FROM A LIQUID MIXTURE WITH A REGENERABLE FILTER**  
[54] **PROCESSUS PERMETTANT D'ELIMINER LES HYDROCARBURES D'UN MELANGE LIQUIDE A L'AIDE D'UN FILTRE REGENERABLE**  
[72] CUMMINGS, ARTHUR L., US  
[71] MPR SERVICES, INC., US  
[85] 2001-09-11  
[86] 2000-03-13 (PCT/US00/06543)  
[87] 2000-09-14 (WO00/53284)  
[30] US (09/267,813) 1999-03-12

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[21] **2,362,692**  
[13] A1  
[51] **Int.Cl. 7C01F 7/47 7C01F 7/06**  
[25] EN  
[54] **PROCESS FOR THE REMOVAL OF OXALATE AND/OR SULPHATE FROM BAYER LIQUORS**  
[54] **PROCEDE D'ELIMINATION D'OXALATE ET/OU DE SULFATE DE LESSIVES BAYER**  
[72] HEATH, CATHERINE ANN, AU  
[72] WILSON, DARREL JAMES, AU  
[72] ROSENBERG, STEVEN PHILIP, AU  
[72] TICHBON, WAYNE, AU  
[71] WORSLEY ALUMINA PTY. LTD., AU  
[85] 2001-09-12  
[86] 2000-03-17 (PCT/AU00/00208)  
[87] 2000-09-28 (WO00/56660)  
[30] AU (PP 9334) 1999-03-19



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[21] **2,362,693**  
[13] A1

[51] **Int.Cl. 7B01J 8/00 7C08F 2/06 7B01J 8/08 7C08F 6/10 7C08F 6/12**  
[25] EN  
[54] **DILUENT SLIP STREAM TO GIVE CATALYST WETTING AGENT**  
[54] **COURANT D'ECOULEMENT A BASE DE DILUANT DESTINE A PRODUIRE UN AGENT DE MOUILLAGE DE CATALYSEUR**  
[72] BURNS, DAVID H., US  
[72] KUFELD, SCOTT E., US  
[72] VAIDYANATHAN, RAGAVAN, US  
[72] ROETMAN, TIMOTHY, US  
[72] HOTTOVY, JOHN D., US  
[71] PHILIPS PETROLEUM COMPANY, US  
[85] 2001-09-06  
[86] 2000-03-08 (PCT/US00/06035)  
[87] 2000-09-14 (WO00/53306)  
[30] US (09/265,286) 1999-03-09

[21] **2,362,694**  
[13] A1

[51] **Int.Cl. 7C23C 16/00**  
[25] EN  
[54] **WAFER PROCESSING REACTOR HAVING A GAS FLOW CONTROL SYSTEM AND METHOD**  
[54] **REACTEUR DE TRAITEMENT DE PLAQUETTES, COMPORTANT UN SYSTEME DE COMMANDE D'ECOULEMENT GAZEUX, ET PROCEDE ASSOCIE**  
[72] BARTHOLOMEW, LAWRENCE DUANE, US  
[72] EWALD, ROBERT ARTHUR, US  
[72] BOLAND, JOHN TIMOTHY, US  
[72] BAILEY, ROBERT JEFFREY, US  
[71] SILICON VALLEY GROUP, THERMAL SYSTEMS LLC, US  
[85] 2001-08-23  
[86] 2000-02-01 (PCT/US00/02606)  
[87] 2000-08-24 (WO00/49197)  
[30] US (60/118,286) 1999-02-02  
[30] US (09/493,492) 2000-01-28

[21] **2,362,695**  
[13] A1

[51] **Int.Cl. 7C07C 51/58 7C07C 59/135 7C07D 317/16 7C08F 16/24 7C07C 67/307 7C07D 317/42 7C07C 53/50 7C07C 69/63 7C07C 69/708**  
[25] EN  
[54] **PROCESS FOR PRODUCING FLUORINE COMPOUND THROUGH LIQUID-PHASE FLUORINATION**  
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE DE FLUOR AU MOYEN D'UNE FLUORATION EN PHASE LIQUIDE**  
[72] TATEMASU, SHIN, JP  
[72] WATANABE, KUNIO, JP  
[72] MUROFUSHI, HIDENOBU, JP  
[72] OKAZOE, TAKASHI, JP  
[71] ASAHI GLASS COMPANY, LIMITED, JP  
[85] 2001-08-28  
[86] 2000-03-23 (PCT/JP00/01765)  
[87] 2000-09-28 (WO00/56694)  
[30] JP (11/78544) 1999-03-23  
[30] JP (11/246154) 1999-08-31

[21] **2,362,696**  
[13] A1

[51] **Int.Cl. 7B01J 8/02 7B01D 3/00 7B01J 4/00**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DISTRIBUTING FLUID STREAM WITHIN CHEMICAL PROCESS REACTOR, COLUMN OR VESSEL**  
[54] **DISPOSITIF ET PROCEDE DE DISTRIBUTION D'UN FLUX DE FLUIDE DANS UN REACTEUR, UNE COLONNE OU UNE CUVE DE TRAITEMENT CHIMIQUE**  
[72] JAFFER, SHAFFIQ, US  
[72] EWING, ROBERT E., US  
[72] MCMILLEN, ROBERT E., US  
[72] RALL, RICHARD R., US  
[71] KOCH-GLITSCH, INC., US  
[85] 2001-08-30  
[86] 2000-03-08 (PCT/US00/06026)  
[87] 2000-09-14 (WO00/53307)  
[30] US (60/123,221) 1999-03-08

[21] **2,362,697**  
[13] A1

[51] **Int.Cl. 7C07D 405/06 7A61P 25/08 7A61P 25/14 7A61P 25/18 7A61K 31/4748**  
[25] EN  
[54] **SUBSTITUTED 1,2,3,4,5,6-HEXAHYDRO-2,6-METHANO-3-BENZAZOCIN-10-OLS, METHOD FOR PRODUCING THEM AND THEIR USE AS MEDICAMENTS**  
[54] **1,2,3,4,5,6-HEXAHYDRO-2,6-METHANO-3-BENZAZOCIN-10-OLS SUBSTITUES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION COMME MEDICAMENTS**  
[72] GRAUERT, MATTHIAS, DE  
[72] BRIEM, HANS, DE  
[72] PALLUK, RAINER, DE  
[72] BECHTEL, WOLF-DIETRICH, DE  
[72] WEISER, THOMAS, DE  
[72] CARTER, ADRIAN, DE  
[72] HOFFMANN, MATTHIAS, DE  
[71] BOEHRINGER INGELHEIM PHARMA KG, GB  
[85] 2001-08-09  
[86] 2000-02-12 (PCT/EP00/01160)  
[87] 2000-08-31 (WO00/50421)  
[30] DE (199 07 874.2) 1999-02-23

[21] **2,362,698**  
[13] A1

[51] **Int.Cl. 7C07C 251/44 7C07C 311/07 7C07C 259/08 7C07C 317/34 7A61K 7/42 7A61K 7/48 7C07C 69/608 7C07C 69/76**  
[25] EN  
[54] **RESORCINOL DERIVATIVES**  
[54] **DERIVES DE RESORCINOL**  
[72] COLLINGTON, ERIC WILLIAM, GB  
[72] PROCTER, MARTIN JAMES, GB  
[72] GEDEN, JOANNA VICTORIA, GB  
[72] BROWNING, ANDREW FRANCIS, SE  
[71] PFIZER INC., US  
[85] 2001-08-13  
[86] 2000-03-16 (PCT/IB00/00286)  
[87] 2000-09-28 (WO00/56702)  
[30] US (60/125,534) 1999-03-22

## Demandes PCT entrant en phase nationale

[21] **2,362,699**  
[13] A1

[51] **Int.Cl. 7B01J 19/00 7C07H 21/00**  
[25] EN  
[54] **METHOD FOR PHOTOLYTICALLY DEPROTECTING IMMOBILIZED NUCLEOSIDE DERIVATIVES, ESPECIALLY IN THE PRODUCTION OF DNA CHIPS**  
[54] **TECHNIQUE DE SEPARATION PHOTOLYTIQUE DES GROUPEES PROTECTEURS DE DERIVES NUCLEOSIDIQUES IMMOBILISES, NOTAMMENT POUR LA FABRICATION DES PUCES A ADN**  
[72] STENGELE, KLAUS-PETER, DE  
[72] GIEGRICH, HEINREICH, DE  
[71] NIGU CHEMIE GMBH, DE  
[85] 2001-09-04  
[86] 2000-03-13 (PCT/EP00/02197)  
[87] 2000-09-14 (WO00/53309)  
[30] DE (199 10 808.0) 1999-03-11  
[30] DE (199 53 289.3) 1999-11-05

[21] **2,362,700**  
[13] A1

[51] **Int.Cl. 7C07D 209/90 7A61P 25/04 7A61K 31/40**  
[25] EN  
[54] **TRICYCLIC INDOLE-2-CARBOXYLIC ACID COMPOUND USED AS NMDA RECEPTOR ANTAGONIST**  
[54] **COMPOSE D'ACIDE INDOLE-2-CARBOXYLIQUE TRICYCLIQUE UTILISE COMME ANTAGONISTE DU RECEPTEUR NMDA**  
[72] KISHIMOTO, HISAKAZU, JP  
[72] AE, NOBUYUKI, JP  
[72] KATAYAMA, SEIJI, JP  
[72] NAGATA, RYU, JP  
[71] SUMITOMO PHARMACEUTICALS CO., LTD., JP  
[85] 2001-08-31  
[86] 2000-03-17 (PCT/JP00/01694)  
[87] 2000-09-28 (WO00/56711)  
[30] JP (11/77214) 1999-03-23  
[30] JP (11/349850) 1999-12-09

[21] **2,362,701**  
[13] A1

[51] **Int.Cl. 7B01L 3/00 7C12M 1/34**  
[25] FR  
[54] **CARTE D'ANALYSE DONT LE REMPLISSAGE EST ASSOCIE A AU MOINS UN VOLUME TAMPON**  
[54] **TEST SAMPLE CARD FILLED IN COMBINATION WITH AT LEAST A BUFFER SUPPLY**  
[72] COLIN, BRUNO, FR  
[71] BIOMERIEUX S.A., FR  
[85] 2001-08-28  
[86] 2000-03-09 (PCT/FR00/00578)  
[87] 2000-09-14 (WO00/53318)  
[30] FR (99/03035) 1999-03-09  
[30] FR (99/09200) 1999-07-12

[21] **2,362,702**  
[13] A1

[51] **Int.Cl. 7A47L 9/24 7A47L 5/36**  
[25] EN  
[54] **DEBRIS ACCESS DOOR**  
[54] **PORTILLON D'ACCES POUR DEBRIS**  
[72] BERFIELD, ROBERT C., US  
[72] STORRS, CHARLES M., US  
[71] SHOP VAC CORPORATION, US  
[85] 2001-08-20  
[86] 1999-07-16 (PCT/US99/16071)  
[87] 2000-09-21 (WO00/54645)  
[30] US (09/268,908) 1999-03-15

[21] **2,362,703**  
[13] A1

[51] **Int.Cl. 7C07D 257/02 7A61K 49/00 7A61P 39/04 7A61K 31/55**  
[25] EN  
[54] **PERFLUOROALKYLAMIDE, THE PRODUCTION THEREOF AND THE USE THEREOF IN DIAGNOSTICS**  
[54] **PERFLUOROALKYLAMIDE, LEUR PRODUCTION ET LEUR UTILISATION DANS DES DIAGNOSTICS**  
[72] PLATZEK, JOHANNES, DE  
[72] WEINMANN, HANNS-JOACHIM, DE  
[72] RADUCHEL, BERND, DE  
[72] SCHLECKER, WOLFGANG, DE  
[72] SULZLE, DETLEV, DE  
[72] NIEDBALLA, ULRICH, DE  
[72] MISSELWITZ, BERND, DE  
[72] EBERT, WOLFGANG, DE  
[72] FRENZEL, THOMAS, DE  
[71] SCHERING AKTIENGESELLSCHAFT, DE  
[85] 2001-08-22  
[86] 2000-03-15 (PCT/EP00/02285)  
[87] 2000-09-28 (WO00/56723)  
[30] DE (199 14 101.0) 1999-03-22

[21] **2,362,704**  
[13] A1

[51] **Int.Cl. 7H04Q 11/04**  
[25] EN  
[54] **TIME-CRITICAL ROUTING OF DATA TO A CLOCKED INTERFACE WITH ASYNCHRONOUS DATA TRANSMISSION**  
[54] **ACHEMINEMENT CRITIQUE DANS LE TEMPS DE DONNEES A UNE INTERFACE COMMANDEE PAR HORLOGE AVEC TRANSMISSION DE DONNEES ASYNCHRONE**  
[72] MARIGGIS, ATHANASE, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2001-08-21  
[86] 2000-02-09 (PCT/DE00/00392)  
[87] 2000-08-31 (WO00/51398)  
[30] DE (199 07 731.2) 1999-02-23  
[30] DE (199 26 103.2) 1999-06-08

[21] **2,362,706**  
[13] A1

[51] **Int.Cl. 7H04N 5/445**  
[25] EN  
[54] **ELECTRONIC PROGRAM GUIDE WITH SUPPORT FOR RICH PROGRAM CONTENT**  
[54] **GUIDE DE PROGRAMMES ELECTRONIQUE AVEC PRISE EN CHARGE DE CONTENU DE PROGRAMMES RICHE**  
[72] ELLIS, MICHAEL D., US  
[72] HASSELL, JOEL G., US  
[72] THOMAS, WILLIAM L., US  
[71] UNITED VIDEO PROPERTIES, INC., US  
[85] 2001-07-25  
[86] 2000-02-08 (PCT/US00/03262)  
[87] 2000-08-10 (WO00/46988)  
[30] US (60/118,987) 1999-02-08

## PCT Applications Entering the National Phase

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| <p style="text-align: center;">[21] <b>2,362,710</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7F04B 43/08 7F04F 1/08</b><br/>[25] FR<br/>[54] <b>POMPE A LIXIVIAT ET DE DEPOLLUTION, PNEUMATIQUE, A VANNE A MANCHON</b><br/>[54] <b>LEACHATE AND DEPOLLUTION PNEUMATIC PUMP WITH SLEEVE VALVE</b><br/>[72] THUROT, PHILIPPE, FR<br/>[72] RANSON, JEAN FRANCOIS, FR<br/>[71] AUDIT, CONSEIL, EFFICACITE, STRATEGIE, ENVIRONNEMENT &amp; DEVELOPPEMENT, FR<br/>[85] 2001-06-07<br/>[86] 1999-12-06 (PCT/FR99/03026)<br/>[87] 2000-06-15 (WO00/34657)<br/>[30] FR (98/15389) 1998-12-07</p>   | <p style="text-align: center;">[21] <b>2,362,726</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H04B 1/16</b><br/>[25] EN<br/>[54] <b>COMMUNICATIONS ACCESSORY WITH IMPROVED VEHICLE IGNITION SENSE</b><br/>[54] <b>ACCESSOIRE DE COMMUNICATIONS AVEC DETECTION AMELIOREE DE L'ALLUMAGE D'UN VEHICULE</b><br/>[72] LILJA, PATRICK, US<br/>[71] ERICSSON INC., US<br/>[85] 2001-07-31<br/>[86] 2000-01-18 (PCT/US00/01156)<br/>[87] 2000-08-10 (WO00/46930)<br/>[30] US (09/243,986) 1999-02-04</p>   | <p style="text-align: center;">[21] <b>2,362,740</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H04B 1/69</b><br/>[25] EN<br/>[54] <b>APPARATUS AND METHOD FOR ALLOCATING ORTHOGONAL CODES IN CDMA COMMUNICATION SYSTEM HAVING VARIABLE RATE CHANNEL STRUCTURE</b><br/>[54] <b>AFFECTATION DE CODES ORTHOGONAUX DANS UN SYSTEME DE COMMUNICATION AMDC A STRUCTURE DE CANAL A DEBIT VARIABLE ET DISPOSITIF A CET EFFET</b><br/>[72] KANG, HEE-WON, KR<br/>[72] MAENG, SEUNG-JOO, KR<br/>[72] KIM, JAE-YOEL, KR<br/>[72] AHN, JAE-MIN, KR<br/>[71] SAMSUNG ELECTRONICS CO., LTD., KR<br/>[85] 2001-08-10<br/>[86] 2000-02-14 (PCT/KR00/00113)<br/>[87] 2000-08-17 (WO00/48328)<br/>[30] KR (1999/5269) 1999-02-13</p> |
| <p style="text-align: center;">[21] <b>2,362,717</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C12P 1/00 7C08B 1/00 7C07H 1/00 7C07H 3/00 7C08L 1/00 7C08L 3/00 7C12P 13/00 7C12P 19/00 7C07H 5/04 7C12P 7/24 7C07C 45/29 7C07C 45/32 7C07C 45/38 7C07C 45/39</b><br/>[25] EN<br/>[54] <b>PROCESS FOR PRODUCING NITROSONIUM IONS FROM A NITROXYL COMPOUND, THEIR APPLICATION IN THE SELECTIVE OXIDATION OF PRIMARY ALCOHOLS, AND NOVEL CARBOHYDRATE ALDEHYDES</b><br/>[54] <b>PROCEDE D'OXYDATION SELECTIVE D'ALCOOLS PRIMAIRES ET NOUVEAUX ALDEHYDES GLUCIDIQUES</b><br/>[72] VAN HARTINGSVELDT, WIM, NL<br/>[72] VAN DEN DOOL, RONALD TAKO MARINUS, NL<br/>[72] JETTEN, JAN MATTHIJS, NL<br/>[72] VAN WANDELEN, MARIO TARCISIUS RAGMANDUS, NL<br/>[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELUK ONDERZOEK T NO, NL<br/>[85] 2001-08-22<br/>[86] 2000-02-24 (PCT/NL00/00117)<br/>[87] 2000-08-31 (WO00/50621)<br/>[30] EP (99200536.3) 1999-02-24</p> | <p style="text-align: center;">[21] <b>2,362,735</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A01K 91/00</b><br/>[25] EN<br/>[54] <b>UNIVERSAL BOBBER</b><br/>[54] <b>LEURRE UNIVERSEL</b><br/>[72] TIEDE, DAVID G., CA<br/>[72] TIEDE, DAVID G., CA<br/>[72] TIEDE, PAUL E., CA<br/>[72] TIEDE, DANIEL G., CA<br/>[71] TIEDE, DAVID G., CA<br/>[71] TIEDE, PAUL E., CA<br/>[71] TIEDE, DANIEL G., CA<br/>[85] 2001-09-04<br/>[86] 2000-02-18 (PCT/US00/04071)<br/>[87] 2000-09-08 (WO00/51426)<br/>[30] US (60/123,077) 1999-03-04</p>                  | <p style="text-align: center;">[21] <b>2,362,743</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7G06K 19/06 7G06K 19/10</b><br/>[25] EN<br/>[54] <b>TWO-DIMENSIONAL PRINTED CODE FOR STORING BIOMETRIC INFORMATION AND APPARATUS FOR READING SAME</b><br/>[54] <b>CODE IMPRIME BIDIMENSIONNEL DESTINE A L'ENREGISTREMENT D'INFORMATIONS BIOMETRIQUES, ET APPAREIL DE LECTURE DESDITES INFORMATIONS</b><br/>[72] GERETY, EUGENE P., US<br/>[72] STREMPSKI, RICHARD A., US<br/>[72] SARDI, STEPHEN G., US<br/>[71] DATASTRIP (IOM) LIMITED, GB<br/>[85] 2001-08-24<br/>[86] 2000-02-18 (PCT/US00/04282)<br/>[87] 2000-08-31 (WO00/51072)<br/>[30] US (09/256,754) 1999-02-24</p>                                       |
| <p style="text-align: center;">[21] <b>2,362,736</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H03H 9/05</b><br/>[25] FR<br/>[54] <b>DISPOSITIF A ONDES DE SURFACE CONNEXTE A UNE EMBASE AVEC UN ADHESIF CONDUCTEUR</b><br/>[54] <b>SURFACE WAVE DEVICE CONNECTED TO A BASE WITH CONDUCTIVE ADHESIVE</b><br/>[72] LELONG, CHRISTIAN, FR<br/>[72] BUREAU, JEAN-MARC, FR<br/>[72] NGUYEN, NGOC-TUAN, FR<br/>[71] THALES, FR<br/>[85] 2001-08-10<br/>[86] 2000-02-11 (PCT/FR00/00347)<br/>[87] 2000-08-17 (WO00/48313)<br/>[30] FR (99/01722) 1999-02-12</p>  | <p style="text-align: center;">[21] <b>2,362,736</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H03H 9/05</b><br/>[25] FR<br/>[54] <b>DISPOSITIF A ONDES DE SURFACE CONNEXTE A UNE EMBASE AVEC UN ADHESIF CONDUCTEUR</b><br/>[54] <b>SURFACE WAVE DEVICE CONNECTED TO A BASE WITH CONDUCTIVE ADHESIVE</b><br/>[72] LELONG, CHRISTIAN, FR<br/>[72] BUREAU, JEAN-MARC, FR<br/>[72] NGUYEN, NGOC-TUAN, FR<br/>[71] THALES, FR<br/>[85] 2001-08-10<br/>[86] 2000-02-11 (PCT/FR00/00347)<br/>[87] 2000-08-17 (WO00/48313)<br/>[30] FR (99/01722) 1999-02-12</p> | <p style="text-align: center;">[21] <b>2,362,743</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7G06K 19/06 7G06K 19/10</b><br/>[25] EN<br/>[54] <b>TWO-DIMENSIONAL PRINTED CODE FOR STORING BIOMETRIC INFORMATION AND APPARATUS FOR READING SAME</b><br/>[54] <b>CODE IMPRIME BIDIMENSIONNEL DESTINE A L'ENREGISTREMENT D'INFORMATIONS BIOMETRIQUES, ET APPAREIL DE LECTURE DESDITES INFORMATIONS</b><br/>[72] GERETY, EUGENE P., US<br/>[72] STREMPSKI, RICHARD A., US<br/>[72] SARDI, STEPHEN G., US<br/>[71] DATASTRIP (IOM) LIMITED, GB<br/>[85] 2001-08-24<br/>[86] 2000-02-18 (PCT/US00/04282)<br/>[87] 2000-08-31 (WO00/51072)<br/>[30] US (09/256,754) 1999-02-24</p>                                       |

## Demandes PCT entrant en phase nationale

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[21] **2,362,745**  
[13] A1  
[51] **Int.Cl. 7H05B 41/295**  
[25] EN  
[54] **KIT FOR CONVERTING LIGHTING UNITS EMPLOYING FLUORESCENT LAMPS FROM INDUCTIVE OPERATION TO ELECTRONIC OPERATION**  
[54] **KIT POUR FAIRE PASSER DES UNITES D'ECLAIRAGE UTILISANT DES LAMPES FLUORESCENTES DU MODE INDUCTION AU MODE ELECTRONIQUE**  
[72] SHAH, SURESH H., IN  
[71] ASIAN ELECTRONICS, LTD., IN  
[85] 2001-07-11  
[86] 2000-01-07 (PCT/IB00/00355)  
[87] 2000-07-20 (WO00/41495)  
[30] DE (199 00 889.2) 1999-01-12  
[30] US (09/271,480) 1999-03-17

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[21] **2,362,751**  
[13] A1  
[51] **Int.Cl. 7F21V 9/02 7F21S 19/00 7B60Q 3/02**  
[25] EN  
[54] **FLAT ILLUMINATION DEVICE**  
[54] **DISPOSITIF D'ECLAIRAGE PLAT**  
[72] SEIBOLD, MICHAEL, DE  
[72] ILMER, MICHAEL, DE  
[72] EBERHARDT, ANGELA, DE  
[72] CUSTODIS, UDO, DE  
[71] PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH, DE  
[85] 2001-08-10  
[86] 2000-11-14 (PCT/DE00/03968)  
[87] 2001-06-21 (WO01/44717)  
[30] DE (199 60 053.8) 1999-12-13

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[21] **2,362,753**  
[13] A1  
[51] **Int.Cl. 7B66D 3/16 7B66D 3/26**  
[25] EN  
[54] **LIFTING DEVICE**  
[54] **APPAREIL DE LEVAGE**  
[72] STRUCK, DETLEF, DE  
[71] YALE INDUSTRIAL PRODUCTS GMBH, DE  
[85] 2001-08-10  
[86] 2000-12-02 (PCT/DE00/04326)  
[87] 2001-06-21 (WO01/44098)  
[30] DE (299 21 880.5) 1999-12-13

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[21] **2,362,754**  
[13] A1  
[51] **Int.Cl. 7H01M 6/08 7H01M 4/24 7H01M 4/50**  
[25] EN  
[54] **HIGH PERFORMANCE ALKALINE BATTERY**  
[54] **BATTERIE ALCALINE A PERFORMANCE ELEVEE**  
[72] WOODNORTH, DOUGLAS, US  
[72] BRYN, BARBARA, US  
[72] HOWARD, MARTIN, US  
[72] ADAMSON, DAVID, US  
[72] HARRIS, PETER, US  
[71] THE GILLETTE COMPANY, US  
[85] 2001-08-13  
[86] 2000-02-23 (PCT/US00/04496)  
[87] 2000-08-31 (WO00/51197)  
[30] US (09/259,740) 1999-02-26

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[21] **2,362,758**  
[13] A1  
[51] **Int.Cl. 7A43B 23/00 7A43B 23/07 7A43B 23/16**  
[25] EN  
[54] **COMPOSITE FOOTWEAR UPPER AND METHOD OF MANUFACTURING A COMPOSITE FOOTWEAR UPPER**  
[54] **TIGE COMPOSITE DE CHAUSSURE ET PROCEDE DE FABRICATION ASSOCIE**  
[72] SMOTRYCZ, ZENON O., US  
[72] NORTON, EDWARD J., US  
[71] SMOTRYCZ, ZENON O., US  
[71] NORTON, EDWARD J., US  
[85] 2001-08-23  
[86] 2000-02-29 (PCT/US00/05171)  
[87] 2000-09-08 (WO00/51458)  
[30] US (60/122,351) 1999-03-02  
[30] US (09/514,419) 2000-02-28

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[21] **2,362,762**  
[13] A1  
[51] **Int.Cl. 7A47J 31/40**  
[25] EN  
[54] **METHOD AND APPARATUS FOR BREWING A FLUID EXTRACT USING AN INCLINED FILTER POUCH CONTAINING FLAVOR EXTRACTABLE PARTICLES**  
[54] **PROCEDE ET APPAREIL DE PREPARATION D'UN EXTRAIT DE FLUIDE PAR INFUSION A L'AIDE D'UNE POCHE-FILTRE INCLINEE RENFERMANT DES PARTICULES DONT IL EST POSSIBLE D'EXTRAIRE UN PARFUM**  
[72] DAWSON, AMY SUZANNE, US  
[72] HOWELL, CHARLES THOMAS, US  
[72] GUTWEIN, ROGER WILLIAM, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-23  
[86] 2000-02-29 (PCT/US00/05295)  
[87] 2000-09-08 (WO00/51480)  
[30] US (09/260,280) 1999-03-02

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[21] **2,362,764**  
[13] A1  
[51] **Int.Cl. 6C08G 12/32 6C09J 161/28 6C08L 61/28**  
[25] EN  
[54] **METHOD FOR DECREASING THE FORMALDEHYDE CONTENT IN ACIDIC SOLUTIONS OF MELAMINE FORMALDEHYDE RESINS**  
[54] **PROCEDE DE REDUCTION DE LA TENEUR EN FORMALDEHYDE DE SOLUTIONS ACIDES DE RESINES MELAMINE-FORMALDEHYDE**  
[72] RUSSE, STEFFEN, DE  
[71] HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, DE  
[85] 2001-08-09  
[86] 1999-05-14 (PCT/EP99/03334)  
[87] 1999-12-02 (WO99/61499)  
[30] DE (198 23 155.5) 1998-05-23

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[21] **2,362,765**  
[13] A1  
[51] **Int.Cl. 7A23L 1/38 7B67D 1/00 7A23L 3/00 7A23L 1/36**  
[25] EN  
[54] **PEANUT SPREAD COMPRISING A DARKER ROASTED AND A LIGHTER ROASTED NUT COMPOSITION**  
[54] **BEURRE DE CACAHUETES COMPRENANT DES COMPOSITIONS A BASE DE CACAHUETES GRILLEES CLAIRE ET FONCEE**  
[72] WONG, VINCENT YORK-LEUNG, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-23  
[86] 2000-02-29 (PCT/US00/05298)  
[87] 2000-09-08 (WO00/51449)  
[30] US (60/123,049) 1999-03-05

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[21] **2,362,773**  
[13] A1  
[51] **Int.Cl. 7B01D 53/14 7B01D 53/62**  
[25] EN  
[54] **A METHOD FOR REMOVING AND RECOVERING CO2 FROM EXHAUST GAS**  
[54] **TECHNIQUE D'ELIMINATION ET DE RECUPERATION DU CO2 DE GAZ D'ECHAPPEMENT**  
[72] EIMER, DAG ARNE, NO  
[72] .ANG.SEN, KNUT INGVAR, NO  
[71] NORSK HYDRO ASA, NO  
[85] 2001-08-16  
[86] 2000-01-26 (PCT/NO00/00018)  
[87] 2000-08-24 (WO00/48709)  
[30] NO (19990812) 1999-02-19

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[21] **2,362,777**  
[13] A1  
[51] **Int.Cl. 6B01J 20/06 6C10L 3/00 6C10G 29/16 6B01J 20/32**  
[25] EN  
[54] **DESULFURIZING AGENT AND METHOD FOR DESULFURIZATION OF HYDROCARBON**  
[54] **AGENT DE DESULFURATION ET PROCEDE DE DESULFURATION D'HYDROCARBURE**  
[72] NAGASE, SHIN-ICHI, JP  
[72] OKADA, OSAMU, JP  
[72] TAKAMI, SUSUMU, JP  
[72] MASUDA, MASATAKA, JP  
[71] OSAKA GAS COMPANY LIMITED, JP  
[85] 2001-08-17  
[86] 1999-02-18 (PCT/JP99/00697)  
[87] 2000-08-24 (WO00/48733)

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[21] **2,362,786**  
[13] A1  
[51] **Int.Cl. 7G10K 15/02 7G06F 3/00 7G06F 12/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR INFORMATION PROCESSING, AND MEDIUM FOR STORING PROGRAM**  
[54] **PROCEDE ET APPAREIL POUR LE TRAITEMENT DE DONNEES ET SUPPORT DE STOCKAGE DE PROGRAMME**  
[72] MORITA, TOSHIHIRO, JP  
[72] SHIROMA, SHIN, JP  
[72] TAMBATA, IPPEI, JP  
[72] HATANAKA, MITSUYUKI, JP  
[72] KOJIMA, KIYONOBU, JP  
[71] SONY CORPORATION, JP  
[85] 2001-08-10  
[86] 2000-12-15 (PCT/JP00/08916)  
[87] 2001-06-21 (WO01/45085)  
[30] JP (11/358409) 1999-12-17

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[21] **2,362,789**  
[13] A1  
[51] **Int.Cl. 7B26D 7/22**  
[25] EN  
[54] **INTERLOCK MECHANISM FOR A SLICER**  
[54] **MECANISME DE VERROUILLAGE POUR TRANCHEUSE**  
[72] MITCHELL, DANNY J., US  
[72] BLACKBURN, NEAL H., US  
[71] PREMARK FEG L.L.C., US  
[85] 2001-08-21  
[86] 2000-12-18 (PCT/US00/34347)  
[87] 2001-06-28 (WO01/45913)  
[30] US (09/470,351) 1999-12-22

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[21] **2,362,790**  
[13] A1  
[51] **Int.Cl. 7B02C 18/06 7H02P 7/06 7H02P 6/08 7B02C 18/24**  
[25] EN  
[54] **SHREDDER DRIVE CONTROL DEVICE AND METHOD OF DRIVINGLY CONTROLLING THE SHREDDER**  
[54] **COMMANDE D'UN DECHIQUETEUR ET PROCEDE EN REGULANT L'ENTRAINEMENT**  
[72] ABE, TADASHI, JP  
[72] YONEYAMA, HIROAKI, JP  
[72] HORI, TAKASHI, JP  
[72] TAKAHASHI, TOMOFUMI, JP  
[72] YOKOMINE, SHUNICHI, JP  
[71] KABUSHIKI KAISHA MEIKO SHOKAI, JP  
[85] 2001-08-15  
[86] 2000-02-16 (PCT/JP00/00847)  
[87] 2000-08-24 (WO00/48737)  
[30] JP (11/78268) 1999-02-16  
[30] JP (11/359621) 1999-11-12

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[21] **2,362,795**  
[13] A1  
[51] **Int.Cl. 7H01G 9/00 7H01G 9/04 7H01G 9/042**  
[25] EN  
[54] **ASYMMETRIC ELECTROCHEMICAL CAPACITOR**  
[54] **CONDENSATEUR ELECTROCHIMIQUE ASYMETRIQUE**  
[72] BELAYKOV, ALEKSEY IVANOVICH, RU  
[72] KLEMENTOV, ARKADIY DMITRIEVICH, RU  
[72] LITVENENKO, SERGEY VITALIEVICH, RU  
[72] RAZUMOV, SERGEY NIKOLAEVICH, RU  
[71] RAZUMOV, SERGEY NIKOLAEVICH, RU  
[85] 2001-08-09  
[86] 1999-08-03 (PCT/RU99/00271)  
[87] 2000-06-08 (WO00/33336)  
[30] RU (98121076) 1998-11-27

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## Demandes PCT entrant en phase nationale

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| <p style="text-align: right;">[21] <b>2,362,796</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7B03C 1/32</b><br/>[25] EN<br/>[54] <b>FERROHYDROSTATIC SEPARATION METHOD AND APPARATUS</b><br/>[54] <b>PROCEDE ET DISPOSITIF DE SEPARATION FERRO-HYDROSTATIQUE</b><br/>[72] SVOBODA, JAN, ZA<br/>[71] DE BEERS CONSOLIDATED MINES LIMITED, ZA<br/>[85] 2001-08-14<br/>[86] 2000-02-15 (PCT/IB00/00156)<br/>[87] 2000-08-24 (WO00/48740)<br/>[30] ZA (99/1255) 1999-02-17</p>  | <p style="text-align: right;">[21] <b>2,362,808</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61M 25/02</b><br/>[25] EN<br/>[54] <b>EXTERNAL RETAINING DEVICE FOR A CATHETER AND CATHETER ASSEMBLY AND METHOD USING SAME</b><br/>[54] <b>DISPOSITIF DE MAINTIEN EXTERNE POUR CATHETER, ASSEMBLAGE DE CATHETER ET PROCEDE D'UTILISATION ASSOCIE</b><br/>[72] O'HARA, DEREK, IE<br/>[71] ABBOTT LABORATORIES, US<br/>[85] 2001-08-10<br/>[86] 2000-02-17 (PCT/US00/04100)<br/>[87] 2000-08-24 (WO00/48658)<br/>[30] US (09/252,259) 1999-02-18</p>  | <p style="text-align: right;">[21] <b>2,362,811</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7D21H 17/67 7D21H 23/76</b><br/>[25] EN<br/>[54] <b>STABILIZED FILLER, ITS PRODUCTION AND USE</b><br/>[54] <b>CHARGE STABILISEE, SA PRODUCTION ET SON UTILISATION</b><br/>[72] LEINO, HANNU JUHANI, FI<br/>[71] AGA AKTIEBOLAG, SE<br/>[85] 2001-08-07<br/>[86] 2000-01-26 (PCT/FI00/00053)<br/>[87] 2000-08-17 (WO00/47817)<br/>[30] FI (990230) 1999-02-08</p>   |
| <p style="text-align: right;">[21] <b>2,362,800</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C06B 31/28 7B60R 21/26</b><br/>[25] EN<br/>[54] <b>LIQUID MONOPROPELLANTS FOR PASSIVE VEHICLE RESTRAINT SYSTEMS</b><br/>[54] <b>MONERGOLS LIQUIDES POUR SYSTEMES DE RETENUE PASSIVE D'OCCUPANTS DE VEHICULE</b><br/>[72] MARTIN, JAMES D., US<br/>[72] SCHEFFEE, ROBERT S., US<br/>[71] ATLANTIC RESEARCH CORPORATION, US<br/>[85] 2001-08-17<br/>[86] 2000-12-20 (PCT/US00/34532)<br/>[87] 2001-06-28 (WO01/46090)<br/>[30] US (09/467,019) 1999-12-20</p> | <p style="text-align: right;">[21] <b>2,362,809</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61M 5/178 7F42B 12/54</b><br/>[25] EN<br/>[54] <b>HYPODERMIC DART</b><br/>[54] <b>FLECHETTE HYPODERMIQUE</b><br/>[72] MIDDLETON, DAVID RUSSELL, AU<br/>[71] MIDDLETON, DAVID RUSSELL, AU<br/>[85] 2001-08-23<br/>[86] 2000-02-16 (PCT/AU00/00108)<br/>[87] 2000-08-24 (WO00/48653)<br/>[30] AU (PP 8723) 1999-02-16</p>   | <p style="text-align: right;">[21] <b>2,362,814</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61N 1/30</b><br/>[25] EN<br/>[54] <b>ELECTROACTIVE PORE</b><br/>[54] <b>PORE ELECTROACTIF</b><br/>[72] WILLIS, JOHN, US<br/>[71] BIOVALVE TECHNOLOGIES, INC., US<br/>[85] 2001-08-17<br/>[86] 2000-02-18 (PCT/US00/04273)<br/>[87] 2000-08-24 (WO00/48669)<br/>[30] US (60/120,879) 1999-02-18</p>   |
| <p style="text-align: right;">[21] <b>2,362,807</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61K 47/48 7A61K 39/05 7C07K 14/34</b><br/>[25] EN<br/>[54] <b>MULTI-MUTANT DIPHTHERIA TOXIN VACCINES</b><br/>[54] <b>VACCINS A BASE DE TOXINE DIPHTERIQUE A MUTATIONS MULTIPLES</b><br/>[72] COLLIER, R. JOHN, US<br/>[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US<br/>[85] 2001-08-14<br/>[86] 2000-02-14 (PCT/US00/03735)<br/>[87] 2000-08-24 (WO00/48638)<br/>[30] US (09/250,131) 1999-02-16</p>  | <p style="text-align: right;">[21] <b>2,362,810</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7E21B 33/035 7E21B 33/038 7E21B 34/04</b><br/>[25] EN<br/>[54] <b>SUBSEA COMPLETION APPARATUS</b><br/>[54] <b>DISPOSITIF DE COMPLETION DE PUITTS SOUS-MARIN</b><br/>[72] KENT, RICHARD, GB<br/>[72] RANGNES, ATLE, NO<br/>[72] HOEL, KARL-WILLIE, NO<br/>[72] HAAVIMB, STEIN TORE, NO<br/>[72] BREDA, JOREN, NO<br/>[72] ANDERSEN, TORE, NO<br/>[72] GRENDSSTAD, JENS, NO<br/>[72] GATHERAR, NICHOLAS, GB<br/>[72] HATLO, ANDREAS, NO<br/>[72] HAUGEN, TARJEI, NO<br/>[71] FMC CORPORATION, US<br/>[85] 2001-08-10<br/>[86] 2000-02-10 (PCT/GB00/00462)<br/>[87] 2000-08-17 (WO00/47864)<br/>[30] GB (9903130.4) 1999-02-11<br/>[30] GB (9907844.6) 1999-04-06<br/>[30] NO (19991748) 1999-04-13<br/>[30] GB (9915228.2) 1999-06-29</p> | <p style="text-align: right;">[21] <b>2,362,817</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C07K 5/12 7A61K 38/12</b><br/>[25] EN<br/>[54] <b>NOVEL CYCLIC TETRAPEPTIDE DERIVATIVES AND USE THEREOF AS DRUGS</b><br/>[54] <b>NOUVEAUX DERIVES DE TETRAPEPTIDES CYCLIQUES ET LEUR UTILISATION COMME MEDICAMENTS</b><br/>[72] NISHINO, NORIKAZU, JP<br/>[72] YOSHIDA, MINORU, JP<br/>[72] KOMATSU, YASUHIKO, JP<br/>[72] HORINOUCI, SUEHARU, JP<br/>[71] JAPAN ENERGY CORPORATION, JP<br/>[85] 2001-08-30<br/>[86] 2000-02-28 (PCT/JP00/01141)<br/>[87] 2000-09-08 (WO00/52033)<br/>[30] JP (11/53851) 1999-03-02</p> |

## PCT Applications Entering the National Phase

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[21] **2,362,820**  
[13] A1  
[51] **Int.Cl. 7D21H 17/72 7D21H 17/14 7D06M 13/224 7D21H 17/60**  
[25] EN  
[54] **USE OF EMULSIONS AS IMPREGNATING AGENTS AND REVIVING AGENTS**  
[54] **UTILISATION D'EMULSIONS COMME AGENTS D'IMPREGNATION ET D'AVIVAGE**  
[72] BAUMOLLER, GUIDO, DE  
[72] ANSMANN, ACHIM, DE  
[72] KAWA, ROLF, DE  
[71] COGNIS DEUTSCHLAND GMBH, DE  
[85] 2001-08-13  
[86] 2000-02-04 (PCT/EP00/00904)  
[87] 2000-08-17 (WO00/47818)  
[30] DE (199 06 081.9) 1999-02-13

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[21] **2,362,826**  
[13] A1  
[51] **Int.Cl. 7C07K 7/56 7C07K 1/36**  
[25] EN  
[54] **FORMATION AND ANION-EXCHANGE OF CRYSTALLINE ECHINOCANDIN AMMONIUM SALTS**  
[54] **FORMATION ET ECHANGE D'ANIONS DE SELS CRISTALLINS D'AMMONIUM ECHINOCANDINE**  
[72] KALLMAN, NEIL JOHN, US  
[72] VICENZI, JEFFREY THOMAS, US  
[72] DOTLICH, MICHAEL ANTHONY, US  
[72] LARSEN, SAMUEL DEAN, US  
[72] DADLER, BRIAN WESTON, US  
[72] VAN DEN BERGHE SNOREK, SHARON, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2001-08-31  
[86] 2000-03-02 (PCT/US00/05494)  
[87] 2000-09-08 (WO00/52036)  
[30] US (60/123,073) 1999-03-03

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[21] **2,362,837**  
[13] A1  
[51] **Int.Cl. 7B60C 9/18 7B60C 9/00 7B29D 30/38**  
[25] FR  
[54] **NAPPE DE RENFORCEMENT POUR PNEUMATIQUE, SON PROCEDE DE FABRICATION ET PROCEDE DE FABRICATION DU PNEUMATIQUE**  
[54] **REINFORCING PLY FOR TYRE, METHOD FOR MAKING SAME AND METHOD FOR MAKING A TYRE**  
[72] BILLIERES, JEAN, FR  
[71] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH  
[71] SOCIETE DE TECHNOLOGIE MICHELIN, FR  
[85] 2001-08-14  
[86] 2000-02-14 (PCT/EP00/01189)  
[87] 2000-08-24 (WO00/48850)  
[30] FR (99/02145) 1999-02-19

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[21] **2,362,842**  
[13] A1  
[51] **Int.Cl. 6E04B 2/58 6E04F 13/08 6E04B 2/88 6E04B 2/96**  
[25] EN  
[54] **CLIP FASTENING SYSTEM FOR WALLS**  
[54] **SYSTEME DE FIXATION PAR PINCES POUR PAROIS**  
[72] TRENOWETH, MARK GRAHAME, AU  
[71] SPANBILT (AUSTRALIA) PTY LTD., AU  
[85] 2001-08-10  
[86] 1999-09-14 (PCT/AU99/00765)  
[87] 2000-03-23 (WO00/15917)  
[30] AU (PP 5885) 1998-09-14

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[21] **2,362,850**  
[13] A1  
[51] **Int.Cl. 7A23K 1/16 7A23K 1/18**  
[25] EN  
[54] **PROCESS FOR PRESERVING SKELETAL MUSCLE MASS IN GERIATRIC DOGS**  
[54] **PROCEDE PERMETTANT DE CONSERVER LA MASSE DE MUSCLES SQUELETTIQUES CHEZ DES CHIENS D'AGE AVANCE**  
[72] HAYEK, MICHAEL GRIFFIN, US  
[72] DAVENPORT, GARY MITCHELL, US  
[71] THE IAMS COMPANY, US  
[85] 2001-09-05  
[86] 2000-03-03 (PCT/US00/05586)  
[87] 2000-09-08 (WO00/51443)  
[30] US (60/122983) 1999-03-05  
[30] US (09/518116) 2000-03-03

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[21] **2,362,856**  
[13] A1  
[51] **Int.Cl. 7B29C 49/42 7B29C 49/64**  
[25] FR  
[54] **DISPOSITIF DE TRANSPORT DE PREFORMES COMPORTANT DES MOYENS DE PREHENSION PERFECTIONNES**  
[54] **DEVICE FOR CARRYING PREFORMS COMPRISING IMPROVED GRIPPING MEANS**  
[72] PELLEGGATTA, JEAN-LOUIS, FR  
[71] SIDEL, FR  
[71] SIDEL, FR  
[85] 2001-09-05  
[86] 2000-02-14 (PCT/FR00/00354)  
[87] 2000-08-24 (WO00/48819)  
[30] FR (99/02586) 1999-02-18

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[21] **2,362,858**  
[13] A1  
[51] **Int.Cl. 7A61K 35/78**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR THEIR PREPARATION FROM LEPIDIUM**  
[54] **COMPOSITIONS ET PROCEDES DE PREPARATION DE TELLES COMPOSITIONS A PARTIR DE LA LEPIDIE**  
[72] WOLTHOFF, STEPHEN, US  
[72] ZHENG, BO LIN, US  
[72] KIM, CALVIN HYUNGCHAN, US  
[72] ZHENG, QUN YI, US  
[72] ROGERS, LINGLING, US  
[72] SHAO, YU, US  
[72] HE, KAN, US  
[71] PURE WORLD BOTANICALS, INC., US  
[85] 2001-08-30  
[86] 2000-03-03 (PCT/US00/05607)  
[87] 2000-09-08 (WO00/51548)  
[30] US (09/261,806) 1999-03-03

## Demandes PCT entrant en phase nationale

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[21] **2,362,860**  
[13] A1  
[51] **Int.Cl. 7A61K 51/08**  
[25] EN  
[54] **IMMOBILIZED LABELING COMPOUNDS AND METHODS**  
[54] **COMPOSES DE MARQUAGE IMMOBILISES ET METHODES AFFERENTES**  
[72] THORNBACK, JOHN, CA  
[72] POLLOCK, CATHERINE MICHELLE, CA  
[72] ROE, DAVID, CA  
[72] POLLAK, ALFRED, SI  
[72] LU, LINDA FUNG LING, CA  
[71] BRACCO INTERNATIONAL B.V., NL  
[85] 2001-08-10  
[86] 1999-08-03 (PCT/CA99/00700)  
[87] 2000-08-24 (WO00/48639)  
[30] US (60/120,561) 1999-02-17

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[21] **2,362,861**  
[13] A1  
[51] **Int.Cl. 7B21D 26/02**  
[25] EN  
[54] **SEALING METHOD AND PRESS APPARATUS**  
[54] **PROCEDE D'OBTURATION ET APPAREIL A PRESSE**  
[72] BESTARD, THOMAS LLOYD, CA  
[72] MARKS, LARRY DOUGLAS, CA  
[72] MORPHY, GARY EARLE, CA  
[71] VARI-FORM INC., CA  
[85] 2001-08-14  
[86] 2000-02-08 (PCT/GB00/00364)  
[87] 2000-08-24 (WO00/48761)  
[30] US (09/249,764) 1999-02-16

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[21] **2,362,864**  
[13] A1  
[51] **Int.Cl. 7C07H 15/256 7C07J 63/00 7A61K 31/70 7A61K 35/78**  
[25] EN  
[54] **NOVEL GYMNEMIC ACID DERIVATIVES, PROCESS FOR THE PREPARATION THEREOF AND USE THEREOF AS MEDICINE**  
[54] **NOUVEAU DERIVES D'ACIDE GYMNEMIQUE, LEUR PROCEDE DE PREPARATION ET LEUR APPLICATION COMME MEDICAMENTS**  
[72] YE, WENCAI, CN  
[72] DAI, YUE, CN  
[72] CONG, XIAODONG, CN  
[72] ZHAO, SHOUXUN, CN  
[72] ZHU, XINGXIANG, CN  
[71] SHANDONG LUYE PHARMACEUTICAL CO., LTD., CN  
[85] 2001-08-13  
[86] 2000-01-21 (PCT/CN00/00010)  
[87] 2000-08-17 (WO00/47594)  
[30] CN (99 1 00721.2) 1999-02-11  
[30] CN (99 1 00722.0) 1999-02-11  
[30] CN (99 1 02823.6) 1999-03-12  
[30] CN (99 1 03588.7) 1999-04-05

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[21] **2,362,865**  
[13] A1  
[51] **Int.Cl. 7A61B 18/14 7A61N 7/00**  
[25] EN  
[54] **POSITIONING SYSTEM FOR A PULMONARY OSTIUM ABLATOR**  
[54] **SYSTEME DE POSITIONNEMENT D'UN INSTRUMENT D'ABLATION D'ORIFICE PULMONAIRE**  
[72] CARCAMO, EDWARD L., US  
[72] LESH, MICHAEL D., US  
[72] O'SULLIVAN, MARTIN F., US  
[72] MAGUIRE, MARK A., US  
[72] TAYLOR, KEVIN J., US  
[72] SCHAER, ALAN K., US  
[72] PICAZO, GUILLERMO P., US  
[71] ATRIONIX, INC., US  
[85] 2001-08-27  
[86] 2000-03-02 (PCT/US00/05618)  
[87] 2000-09-08 (WO00/51511)  
[30] US (60/122,571) 1999-03-02  
[30] US (60/163,807) 1999-11-05

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[21] **2,362,867**  
[13] A1  
[51] **Int.Cl. 7G09B 23/28**  
[25] EN  
[54] **THORACIC TRAINING MODEL FOR ENDOSCOPIC CARDIAC SURGERY**  
[54] **MODELE THORACIQUE D'ENTRAINEMENT POUR LA CHIRURGIE CARDIAQUE ENDOSCOPIQUE**  
[72] YONG, PETER, US  
[71] YONG, PETER, US  
[85] 2001-08-24  
[86] 2000-03-02 (PCT/US00/05627)  
[87] 2000-09-08 (WO00/51485)  
[30] US (60/122,543) 1999-03-02

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[21] **2,362,871**  
[13] A1  
[51] **Int.Cl. 7B32B 5/28 7B29C 70/44 7B29C 70/48**  
[25] EN  
[54] **FRP STRUCTURAL MATERIAL AND PROCESS FOR MANUFACTURING THE SAME**  
[54] **STRUCTURE EN STRATIFIE PLASTIQUE RENFORCE ET SA METHODE DE FABRICATION**  
[72] KONDO, TOSHIYUKI, JP  
[72] SEKIDO, TOSHIHIDE, JP  
[72] KIMOTO, YUKITANE, JP  
[71] TORAY INDUSTRIES, INC., JP  
[85] 2001-08-14  
[86] 2000-02-15 (PCT/JP00/00838)  
[87] 2000-08-24 (WO00/48830)  
[30] JP (11/37391) 1999-02-16  
[30] JP (11/38755) 1999-02-17  
[30] JP (11/70296) 1999-03-16

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[21] **2,362,966**  
[13] A1  
[51] **Int.Cl. 7E02F 3/96 7E02F 3/76 7E02F 3/815**  
[25] EN  
[54] **ADJUSTABLE GRATING ATTACHMENT FOR GRADING SOIL**  
[54] **ACCESSOIRE PORTE-GRILLE REGLABLE POUR LE NIVELLEMENT DU SOL**  
[72] GOULET, LUC, CA  
[71] GOULET, LUC, CA  
[85] 2001-08-15  
[86] 2000-02-16 (PCT/CA00/00138)  
[87] 2000-08-24 (WO00/49234)  
[30] US (09/250,835) 1999-02-16

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## **PCT Applications Entering the National Phase**

## Canadian Divisional and Previously Unavailable Laid-Open applications

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

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[21] **2,306,651**  
[13] A1  
[51] **Int.Cl. 7A01G 15/00 7B64D 1/18**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MODIFYING SUPERCOOLED CLOUDS**  
[54] **METHODE ET APPAREIL AFIN DE MODIFIER DES NUAGES SUR-REFROIDIE**  
[72] FUKUTA, NORIHIKO, US  
[71] FUKUTA, NORIHIKO, US  
[22] 2000-04-26  
[43] 2001-10-26

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[21] **2,359,774**  
[13] A1  
[51] **Int.Cl. 7B66D 1/08**  
[25] EN  
[54] **AIR LIFTING AND BALANCING UNIT**  
[54] **ORGANE DE LEVAGE ET D'EQUILIBRAGE PNEUMATIQUE**  
[72] BRAESCH, ROBERT OTTO, US  
[72] HONG, PETER LEE, US  
[72] OLSON, MICHAEL DAVID, US  
[72] MEFFERD, THOMAS ARTHUR, US  
[71] COLUMBUS MCKINNON CORPORATION, US  
[22] 1994-12-08  
[43] 1995-06-15  
[62] 2,176,026  
[30] US (08/165,701) 1993-12-10

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[21] **2,360,756**  
[13] A1  
[51] **Int.Cl. 7F16D 9/06**  
[25] EN  
[54] **TORQUE OVERLOAD FREE MOTION DEVICES**  
[54] **DISPOSITIFS DE SURCHARGE DE COUPLE, A MOUVEMENT LIBRE**  
[72] FECHTER, MARK A., US  
[72] HANSEN, GEORGE N. P., US  
[72] MAYHEW, ROGER D., US  
[71] WEASLER ENGINEERING, INC., US  
[22] 1995-05-16  
[43] 1996-08-29  
[62] 2,149,486  
[30] US (08/395,341) 1995-02-28

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[21] **2,361,954**  
[13] A1  
[51] **Int.Cl. 7A61K 31/135 7A61M 15/00 7B05D 7/22 7B05D 7/24 7A61K 9/72**  
[25] EN  
[54] **METERED DOSE INHALER FOR ALBUTEROL**  
[54] **INHALATEUR DOSEUR D'ALBUTEROL**  
[72] LI-BOVET, LI, US  
[72] RIEBE, MICHAEL T., US  
[72] ASHURST, IAN C., GB  
[72] BRITTO, IGNATIUS LOY, US  
[72] HERMAN, CRAIG S., US  
[71] SMITHKLINE BEECHAM CORPORATION, US  
[22] 1996-04-10  
[43] 1996-10-17  
[62] 2,217,950  
[30] US (08/422,371) 1995-04-14  
[30] US (08/584,860) 1996-01-05

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[21] **2,361,957**  
[13] A1  
[51] **Int.Cl. 7A61B 17/072**  
[25] EN  
[54] **IMPROVED STAPLER AND FIRING DEVICE**  
[54] **AGRAFEUSE AMELIOREE ET DISPOSITIF DE DECLenchement**  
[72] VIDAL, CLAUDE, US  
[72] PLYLEY, ALAN K., US  
[72] BARKER, JOHN M., US  
[72] FOSLIEN, FLOYD, US  
[71] UNITED STATES SURGICAL CORPORATION, US  
[22] 1991-11-20  
[43] 1992-06-19  
[62] 2,055,890  
[30] US (629,142) 1990-12-18

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[21] **2,361,997**  
[13] A1  
[51] **Int.Cl. 7H04J 13/04 7H04B 1/69**  
[25] EN  
[54] **DS-CDMA TRANSMISSION METHOD**  
[54] **METHODE DE TRANSMISSION EN MODE DS-CDMA**  
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[72] OKUMURA, YUKIHIKO, JP  
[72] OHNO, KOJI, JP  
[72] UEBAYASHI, SHINJI, JP  
[72] SAWAHASHI, MAMORU, JP  
[71] NTT MOBILE COMMUNICATIONS NETWORK INC., JP  
[22] 1997-05-28  
[43] 1997-11-30  
[62] 2,206,380  
[30] JP (136,615/1996) 1996-05-30  
[30] JP (214,496/1996) 1996-08-14

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[21] **2,362,014**  
[13] A1  
[51] **Int.Cl. 7A61B 18/20**  
[25] EN  
[54] **APPARATUS AND METHOD FOR INTERSTITIAL LASER TREATMENT**  
[54] **APPAREIL ET PROCEDE DE TRAITEMENT INTERSTITIEL AU LASER**  
[72] HAUSCHILD, SIDNEY F., US  
[72] POLYAK, MARK, US  
[72] ANDRUS, W. SCOTT, US  
[71] AMERICAN MEDICAL SYSTEMS, INC., US  
[22] 1995-06-07  
[43] 1996-01-11  
[62] 2,193,978  
[30] US (08/268,358) 1994-06-30

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[21] **2,362,033**

[13] A1

[51] **Int.Cl. 7G07F 19/00 7H04L 9/00  
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[25] EN

[54] **CREDIT CARD SYSTEM AND  
METHOD**

[54] **SYSTEME DE PROCEDE DE  
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[72] O'DONNELL, GRAHAM, IE

[72] FLITCROFT, DANIEL IAN, IE

[71] ORBIS PATENTS LIMITED, IE

[22] 1999-03-25

[43] 1999-09-30

[62] 2,322,356

[30] IE (S980223) 1998-03-25

[30] IE (S980346) 1998-05-07

[30] IE (S980458) 1998-06-15

[30] US (60/092,500) 1998-07-13

[30] US (60/098,175) 1998-08-26

[30] US (60/099,614) 1998-09-09

[30] US (09/235,836) 1999-01-22

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[21] **2,362,539**

[13] A1

[51] **Int.Cl. 7A61K 31/57 7A61M 15/00  
7A61P 11/00 7A61K 31/137 7A61K 9/72**

[25] EN

[54] **FLUOROCARBON AEROSOL  
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[54] **MEDICAMENTS AEROSOLS AVEC  
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[72] TAYLOR, ANTHONY JAMES, GB

[72] AKEHURST, RACHEL ANN, GB

[72] WYATT, DAVID ANDREW, GB

[71] GLAXO GROUP LIMITED, GB

[22] 1992-12-04

[43] 1993-06-24

[62] 2,303,685

[30] GB (9126378.0) 1991-12-12

[30] GB (9126405.1) 1991-12-12

[30] GB (9202522.0) 1992-02-06

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| DEMAY, JEAN-PAUL   | 2,350,150 | GINES MENDEZ ESPANA, S.L.              |           | HIRANO, NORIYUKI                            | 2,312,252 |
| DEMESMAY, DAVID  | 2,350,386 |  | 2,350,016 | HIRANO, YOSHIAKI                            | 2,350,728 |
| DENKIN, NATHAN MYRON   | 2,344,869 | GLAUM, HOLGER                          | 2,351,162 | HIRONAKA, CATHERINE                         | 2,349,841 |
| DEPEURSINGE, YVES  | 2,312,418 | GLITTENBERG, DETLEV                    | 2,351,241 | HIROSHIGE, ITSURO                           | 2,350,731 |
| DERSTINE, MATTHEW  | 2,328,705 | GLOBAL TOTAL OFFICE                    | 2,313,746 | HITACHI ENGINEERING &<br>SERVICES CO., LTD. | 2,338,006 |
| DETROIT DIESEL<br>CORPORATION                                      | 2,351,205 | GLOBAL TOTAL OFFICE                    | 2,313,750 | HITACHI, LTD.                               | 2,337,664 |
| DEVINE, DARRYL M.  | 2,351,160 | GOLDSCHMIDT AG                         | 2,350,873 | HITACHI, LTD.                               | 2,338,006 |
| DIONNE, BRAD D.  | 2,312,451 | GOLDSCHMIDT AG                         | 2,351,070 | HO, NIN                                     | 2,311,830 |
|  |           | GOOSEN, RYAN L.                        | 2,351,034 | HOFFMANN, RALF                              | 2,350,873 |
|  |           | GOPPELT, ANDREAS                       | 2,351,275 | HOFFMANN, RALF                              | 2,351,070 |
|  |           |  |           | HOLLA, GOPALAKRISHNA<br>RAMAKRISHNA         | 2,344,610 |
|  |           |  |           | HOLLAND, RONALD PAUL                        | 2,351,237 |

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| HORIUCHI, MAKOTO                            | 2,351,223 | JOHNS MANVILLE INTERNATIONAL, INC. | 2,351,031 | LACHANCE, ROBERT   | 2,351,293 |
| HUBBELL INCORPORATED                        | 2,349,395 | JOHNSON, ANN S.                    | 2,351,108 | L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCED ES GEORGES CLAUDE | 2,351,107 |
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| HUYNH-BA, GIA                               | 2,342,751 | JUDGES, STEPHEN HUGH               | 2,351,045 | LAM, LENSLEY   | 2,310,961 |
| HWANG, ARTHUR                               | 2,311,958 | JUDGES, STEVE                      | 2,311,884 | LAMOURI, ABBAS   | 2,350,963 |
| I & V TECH CO., LTD.                        | 2,349,689 | JUE, REGINALD                      | 2,350,908 | LAMOURI, ABBAS   | 2,350,981 |
| IBIO LIMITED                                | 2,350,947 | JUE, REGINALD                      | 2,350,912 | LAMOURI, ABBAS   | 2,350,997 |
| IBM CANADA LIMITED-IBM CANADA LIMITEE       | 2,312,444 | JUE, REGINALD                      | 2,351,001 | LANG, JERRY M.   | 2,350,262 |
| IBM CANADA LIMITED-IBM CANADA LIMITEE       | 2,312,445 | JUE, REGINALD                      | 2,351,007 | LAPRISE, EMMANUELLE  | 2,350,718 |
| ICHIHASHI, AKIYO                            | 2,338,006 | JUE, REGINALD                      | 2,351,011 | LAROIA, RAJIV  | 2,344,839 |
| Ichikawa Co., Ltd.                          | 2,350,695 | JUE, REGINALD                      | 2,351,021 | LAROIA, RAJIV  | 2,344,844 |
| ICT CO., LTD.                               | 2,351,223 | JUE, REGINALD                      | 2,351,035 | LARSEN, JORGEN GUTZON  | 2,350,984 |
| IDRA PRESSE S.P.A.                          | 2,350,286 | JUE, REGINALD                      | 2,351,043 | LAUGWITZ, NIELS  | 2,350,260 |
| IDRA PRESSE S.P.A.                          | 2,350,287 | KAATZ, MICHAEL                     | 2,350,944 | LAUTT, WILFRED WAYNE   | 2,351,250 |
| IDRA PRESSE S.P.A.                          | 2,350,288 | KAATZ, MICHAEL                     | 2,350,961 | LEARMONTH, DAVID ALEXANDER   | 2,351,125 |
| IIO, SHINJI                                 | 2,349,778 | KABUSHIKI KAISHA TOSHIBA           | 2,339,719 | LEARMONTH, DAVID ALEXANDER   | 2,351,129 |
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| ILLINOIS TOOL WORKS INC.                    | 2,350,259 | KARL, ALFONS                       | 2,351,162 | LEIBLER, LUDWIK  | 2,351,485 |
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| INOUE, RYOJI                                | 2,350,392 | KELLER, ROBERT R., JR.             | 2,350,677 | LIN, WENHUA  | 2,344,869 |
| INOUE, RYOJI                                | 2,350,397 | KERALASE LTD.                      | 2,311,894 | LINDNER, DAVID   | 2,349,634 |
| INOUE, RYOJI                                | 2,350,402 | KERETSES, URANIS BAKOS             | 2,351,056 | LINSKY, STUART T.  | 2,350,678 |
| INRAD, INC.                                 | 2,351,034 | KESEL, BRAD                        | 2,311,869 | LINSKY, STUART T.  | 2,350,904 |
| INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,344,737 | KEURIG, INC.                       | 2,327,021 | LINSKY, STUART T.  | 2,351,011 |
| INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,344,739 | KHAN, NASSERULLAH                  | 2,349,478 | LINSKY, STUART T.  | 2,351,021 |
| INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,346,614 | KHUC, MINH DUY                     | 2,350,901 | LINSKY, STUART T.  | 2,351,032 |
| INTERNATIONAL CATALYST TECHNOLOGY, INC.     | 2,351,223 | KIM, FELIX SUNG HOON               | 2,312,305 | LINSKY, STUART T.  | 2,351,035 |
| INTERTAPE POLYMER INC.                      | 2,311,865 | KIM, SEUNG-MAN                     | 2,316,510 | LINSKY, STUART T.  | 2,351,043 |
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| ISHIGAKI, TAKESHI                           | 2,312,252 | KOBAYASHI, OSAMU                   | 2,350,411 | LOGO TECH MANUFACTURING, INC.  | 2,351,026 |
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|   |           | KUBO, TAKAFUMI                     | 2,350,728 |  |           |
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|   |           | KUBOTA, MASAHIKO                   | 2,350,397 |  |           |
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| LUCENT TECHNOLOGIES, INC.                          | 2,344,869 | MIZUTANI, SATOSHI   | 2,350,855 | NEXANS                          | 2,350,008 |
| LYMAN, PAUL  | 2,344,285 | MIZUTANI, SATOSHI   | 2,350,870 | NGUYEN, ANDREW T.               | 2,351,011 |
| MACALUSO, MICHAEL                                  | 2,329,991 | MIZUTANI, SATOSHI   | 2,350,874 | NGUYEN, ANDREW T.               | 2,351,043 |
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| MACKENZIE, ALAN                                    | 2,351,055 | MOCHIZUKI, MUGA   | 2,350,397 | NGUYEN, VINCENT                 | 2,351,043 |
| MADRZAK, ZYGMUNT                                   | 2,351,985 | MOCHIZUKI, MUGA   | 2,350,402 | NIELSEN, DOUGLAS                | 2,351,026 |
| MAGNESS, TODD                                      | 2,351,097 | MOLD-MASTERS LIMITED  | 2,311,829 | NILSSON, MARKUS                 | 2,311,832 |
| MAGNYTECH INC.                                     | 2,311,959 | MOLD-MASTERS LIMITED  | 2,311,830 | NIPPON PILLAR PACKING CO., LTD. | 2,319,398 |
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| MAR-FLEX SYSTEMS, INC.                             | 2,349,668 | MONSANTO TECHNOLOGY LLC                                       | 2,349,841 | NISHIDA, MAKI                   | 2,350,397 |
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| MATOBA, HIROSHI                                    | 2,349,993 | MORTARI, GRAZIANO   | 2,350,728 | NIVENS, DENNIS A.               | 2,350,904 |
| MATSUDA, TAKANORI                                  | 2,351,199 | MORTARI, GRAZIANO   | 2,350,286 | NIVENS, DENNIS A.               | 2,350,908 |
| MATSUMOTO, TAKESHI                                 | 2,351,223 | MORTARI, GRAZIANO   | 2,350,287 | NIVENS, DENNIS A.               | 2,350,912 |
| MATTEL, INC.                                       | 2,349,364 | MORTARI, GRAZIANO   | 2,350,288 | NIVENS, DENNIS A.               | 2,350,999 |
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| MENARD, ERIC                                       | 2,351,293 | MUKAI, HIROTOMO   | 2,349,355 | NORMAND, JEAN                   | 2,311,959 |
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| METROPHOTONICS INC.                                | 2,350,863 | MURPHY, EDGAR LEROY   | 2,344,739 | OAKLEY, BRETT                   | 2,349,668 |
| MEYER, ARMIN                                       | 2,350,547 | MURRAY, DOUGLAS J.  | 2,351,055 | OBDCAT AB                       | 2,311,832 |
| MILES, KENDALL JAMES                               | 2,326,904 | MYERS, KELLY LEE  | 2,312,333 | O'BRIEN, WILLIAM G.             | 2,311,897 |
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|  |           | NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION   | 2,311,985 | OONUMA, TOSHIO                  | 2,349,811 |
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| PDG INC.                                  | 2,311,934 | ROUSE, MICHAEL W.                         | 2,315,968 | SHIIBA, KIWAMU                                     | 2,312,250 |
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