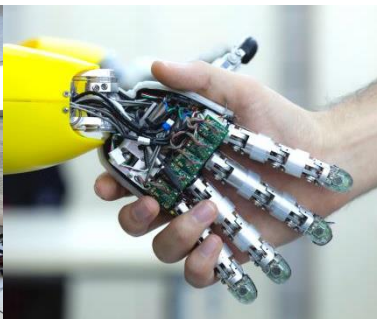




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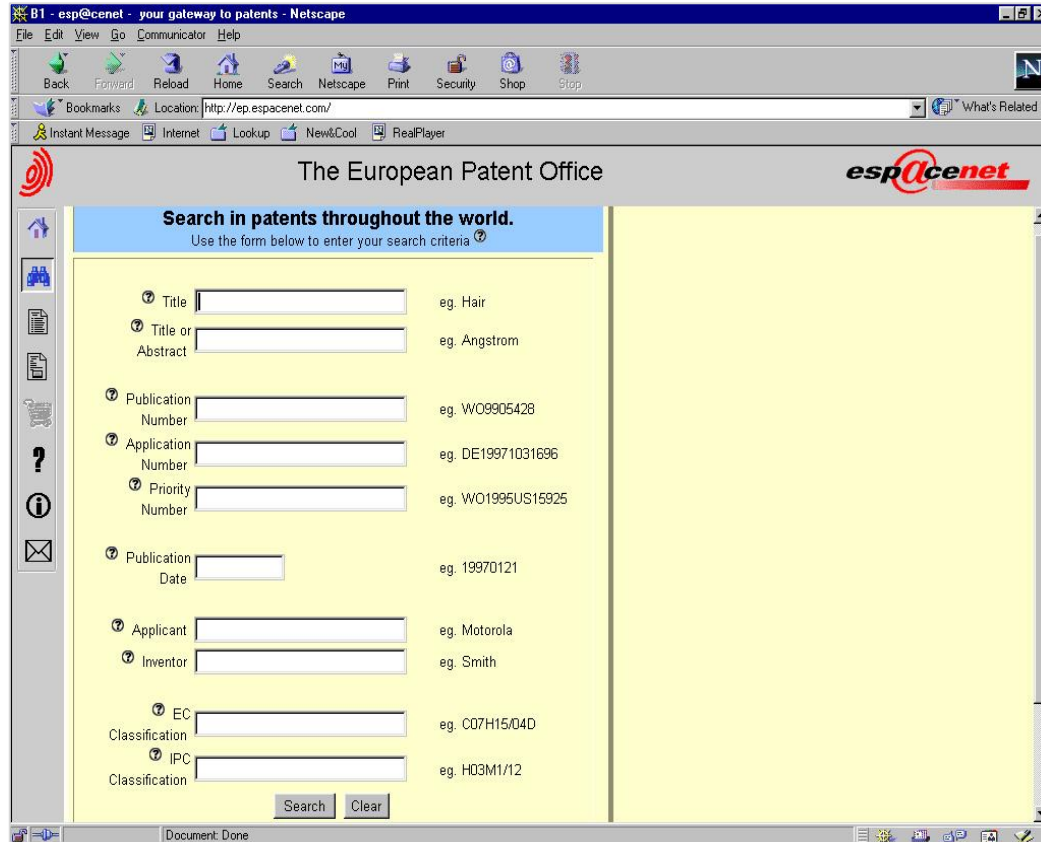
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EUROPÄISCHE PATENTANMELDUNG		
Anmeldenummer: 78200013.7 Anmeldetag: 01.06.78	Int. Cl.: F 28 D 15/00, F 24 J 3/04	
Priorität: 02.09.77 DE 2739889 Veröffentlichungstag der Anmeldung: 20.12.78 Patentblatt 78-1 Benannte Vertragsstaaten: BE CH FR GB NL SE	Anmelder: EUROPÄISCHE ATOMGEMEINSCHAFT [EURATOM], Bâtiment Jean Monnet, Plateau du Kirchberg Boite Postale 1907, Luxembourg (LU) Erfinder: Busse, Claus Adolf, Dr., 22, Via Piaggio, I-21038 Arolo di Leggiano (Varese) (IT) Vertreter: Wey, Hans-Heinrich, Dipl.-Ing., et al., Patentsanwälte Müller-Börner, Wey & Körner, Widenmayerstrasse 49, D-8000 München 22 (DE)	
Thermische Wärmepumpe Die Erfindung betrifft eine thermische Wärmepumpe, welche aus einem Wärmerohr (11) besteht, in welchem der zwischen der Wärmeübertragungszone zur Wärmezufuhr und der Wärmeübertragungszone zur Wärmeabfuhr befindliche Dampfkanal (16) einen sich über seine Länge ändernden, die Strömungsgeschwindigkeit des Dampfes zunächst erhöhenden und dann erniedrigenden Querschnitt aufweist und bei welchem sich im Bereich der erhöhten Dampfgeschwindigkeit eine weitere Wärmeübertragungszone mit Wärmezufuhr oder -abfuhr befindet. Die erhöhte Dampfgeschwindigkeit kann im Unterschallbereich oder im Überschallbereich liegen. Die Querschnittsänderung des Dampfkanals (16) im Wärmerohr (11) zwischen den beiden äußeren Wärmeübertragungszonen wird vorteilhafterweise durch einen Verdrängungskörper (13) mit bestimmter Oberflächenkontur bewirkt.		
		

Search tools in the past



And today?

The screenshot displays the Espacenet Patent search interface. At the top left is the logo of the European Patent Office (EPO) in German, English, and French. The main header includes the 'Espacenet Patent search' logo and navigation links for English, Deutsch, and Français, along with a 'Change country' dropdown menu. Below the header is a navigation bar with 'About Espacenet' and 'Other EPO online services'. The main content area is titled 'Advanced Search' and is divided into two sections: '1. Database' and '2. Search terms'. The '1. Database' section has a dropdown menu set to 'Worldwide - full collection of published patent applications from 80+ countries'. The '2. Search terms' section contains several input fields: 'Keyword(s) in title' with the value 'plastic and bicycle', 'Keyword(s) in title or abstract' with the value 'hair', 'Publication number' with 'WO2008014520', 'Application number' with 'DE19971031696', 'Priority number' with 'WO1995US15925', 'Publication date' (empty), 'Applicant(s)' with 'Institut Pasteur', and 'Inventor(s)' with 'Smith'. A 'Quick Help' sidebar on the left lists various search-related questions. A 'Related links' section is also present. At the bottom of the interface, there is a button labeled 'SEARCH' and a 'Clear' link. The text 'Siemens EP 2007' is visible in the search results area. At the bottom of the page, there is a footer that reads 'Your espacenet team.'

New Espacenet (2018): Query builder

The screenshot displays the Espacenet search interface. At the top, the Espacenet logo and 'Patent search' text are visible. A search bar contains the query: `(txt = "laser" OR txt = "x-ray") AND txt = "cutter"`. Below the search bar, navigation tabs include 'Search', 'Classification search', 'My Espacenet', and 'Help'. The main content area shows 'Results' with 'Advanced search' and 'Filters' buttons. A 'Collection' dropdown is set to 'all'. The query builder shows a tree structure with 'AND' at the root, containing three 'OR' groups. The first 'OR' group contains 'All text fields = laser' and 'All text fields = x-ray'. The second 'OR' group contains 'All text fields = cutter'. A 'Search' button is at the bottom left. On the right, '87 results found' is displayed with options for 'List view', 'List content', and 'Sort by'. Three search results are visible:

- 8. METHODS AND APPARATUS FOR PERFORMING KNEE ART...**
US2015209053A1 • SMITH & NEPHEW INC
Priority: 2009-05-29 • Publication: 2010-12-02
Methods and apparatus for performing knee arthroplasty, including, but not limited to, bicruciate retaining knee arthroplasty, are described herein. Methods and apparatus for preparing a distal femur for a femora implant as well as
- 9. Cap device for mouthpiece of container and methods of sealing ...**
EP0415691A1 • KIRIN BREWERY
Priority: 1989-08-28 • Publication: 1991-02-28
A cap device to be mounted to a mouthpiece of a container, in one aspect, comprises a cap member (25) provided with an inner hollow portion (E1) and a film member (21) accommodated in the inner hollow portion. The film member
- 10. TOBACCO SMOKE FILTER**
ZA8103552B • CIGARETTE COMPONENTS LTD
Priority: 1980-05-27 • Publication: 1981-06-01
No abstract available

New Espacenet (2018): Results display

Espacenet

Patent search

laser cutter

x

en

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Home > Results > **WO2011159716A1**

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85 results found

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1.METHOD OF MANUFACTURING A RADIO FREQUENCY IDENTIFICATION DEVICE
WO2011159716A1 • AVERY DENNISON CORP +5
Priority: 2010-06-14 • Publication: 2011-12-22
selectively tune an antenna for a particular end use application. The cutting may be performed by a **laser**, die cutting, stamping or combinations thereof.

2.DEVICE AND METHOD FOR PRODUCING PELLETS
US2013043616A1 • AUTOMATIK PLASTICS MACHINERY
Priority: 2010-04-21 • Publication: 2013-02-21
... from which nozzles the melt emerges. The perforated plate is located opposite a **cutter** arrangement with a **cutter** head with at least one blade, and a **cutter** shaft driven by a motor so that the at least one blade passes... melt material emerging.

3.DEVICE WITH MULTIPLE CUTTING ELEMENTS USED IN FOOD PROCESSING
US2014326120A1 • SEOUL LASER DIEBOARD SYSTEM CO LTD
Priority: 2007-11-06 • Publication: 2009-05-14
... plate coupled to the base plate, the first plate including a plurality of **cutter** holes formed on its surface; a plurality of cutting elements configured to engage the corresponding plurality of **cutter** holes on the first plate to make cuts ...

4.PORTIONING APPARATUS AND METHOD
CA2531857A1 • FMC TECHNOLOGIES
Priority: 2004-12-30 • Publication: 2006-06-30
Portioning system (10) includes a conveyor (12) for conveying work products (14) past a scanner (16). A data processor (22) receives the scanning data and

★ WO2011159716A1 METHOD OF MANUFACTURING A RADIO FREQUENCY IDENTIFICATION DEVICE

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Inventor(s): COCKERELL PETER, FORSTER IAN J, KINGSTON BENJAMIN, OELSNER CHRISTIAN K, REVELS ROBERT
Applicant(s): AVERY DENNISON CORP, COCKERELL PETER, FORSTER IAN J, KINGSTON BENJAMIN, OELSNER CHRISTIAN K, REVELS ROBERT

Classification
- international: B32B15/08; B32B38/10; B32B7/12; G06K19/077; H05K3/04
- cooperative:

Application number: US2011040379W

Publication date: 2011-12-22
Application date: 2011-06-14
Priority date: 2010-06-14

Also published as US2013055555A1 US9039866B2 US2012280047A1 US2012061473A1 US2014034739A1 WO2011159716A1 US2012060359A1 US9231290B2 US2014047703A1 WO2011159722A2 WO2011159722A3 WO2011159720A1 WO2011159727A1 WO2011159727A9 US2012064307A1 US9876265B2 US2012090877A1 US8981936B2

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WO 2011/159716

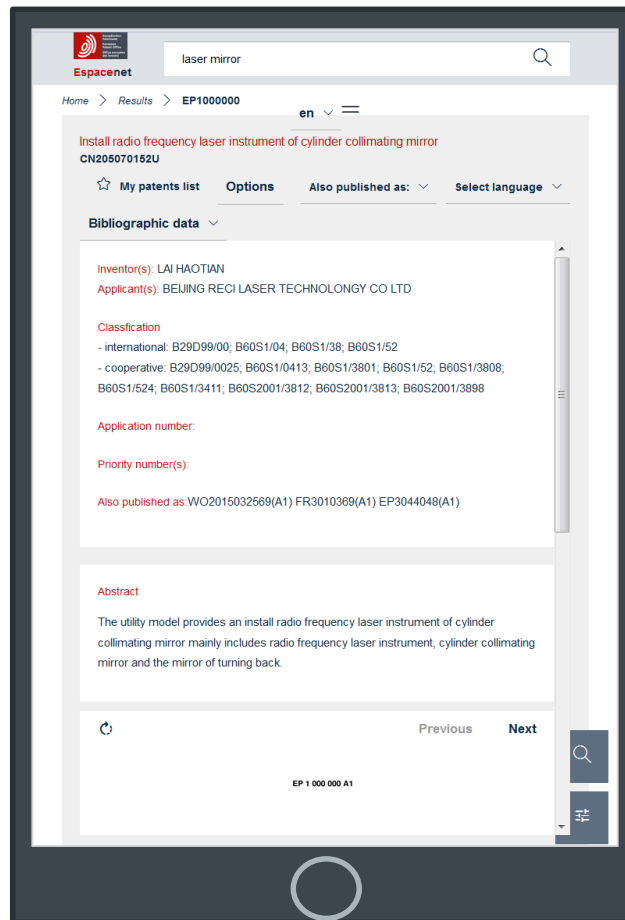
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FIG. 1

FIG. 2

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Description: CN206812247 (U) — 2017-12-29

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Description of CN206812247 (U)

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CH Patent in force	EP10719285	EP2419728	Transgene SA	---	---	---	05.07.2016
CZ Patent lapsed	CZ2010-719285	EP2419728	Transgene SA	12.04.2016	12.04.2016	31.03.2015 Latest annual fee paid: 0	19.10.2016
ES Patent validated	E10719285	EG2445140	Transgene SA	---	---	22.04.2016 Latest annual fee paid: 7	---
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HR Patent lapsed	HRP20140262T	HRP20140262	Transgene SA	12.04.2016	12.04.2016	23.03.2016 Annual fee paid for the 6th year.	25.08.2017
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LU Patent lapsed	EP10719285	EP2419728	Transgene SA	---	12.04.2016	23.04.2015	02.06.2017
MC Patent lapsed	10719285.8	2419728	Transgene SA	02.05.2016	---	---	18.02.2017
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NL Patent validated	EP10719285	EP2419728	Transgene SA	---	---	21.04.2016	20.05.2017
PL Patent lapsed	EP10719285	EP2419728	Transgene SA	12.04.2016	---	---	07.09.2017
PT Patent in force	EP10719285	EP2419728	TRANSGENE SA	---	---	26.03.2015 Paid for year 0	02.04.2014
RO Patent validated	EP10719285	EP2419728	Transgene SA	---	---	08.01.2016 Annual fee for 6th year.	08.01.2016
SI Patent lapsed	SI20103053	EP2419728	Transgene SA	---	13.04.2015	---	07.09.2017
SM Patent lapsed	P20140046	SMF20140046	TRANSGENE S.A.	---	---	---	23.11.2015
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申请人或专利权人: 芯海科技(厦门)有限公司

发明创造名称: 触控显示装置及其制造方法

第二次审查意见通知书

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Application No. or Publication No. 201110289572.2 Issue No.:

Applicant or Patentee: Great mission letter science and technology (Xiamen) Co., Ltd

Title of Invention: Touch-control display unit and manufacturing approach

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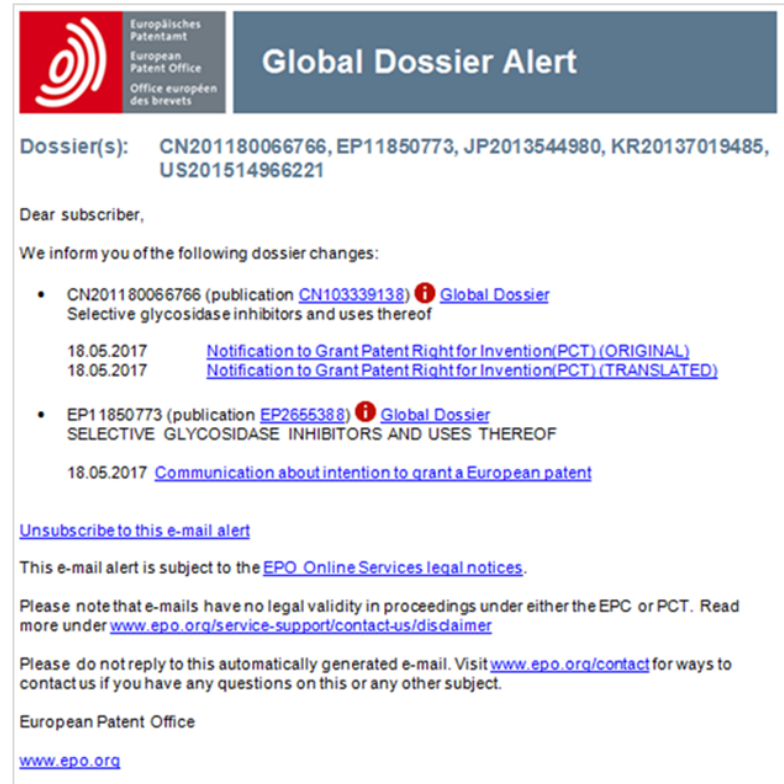
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The screenshot shows an email header with the EPO logo and the text 'Europäisches Patentamt', 'European Patent Office', and 'Office européen des brevets'. To the right, a dark blue box contains the text 'Global Dossier Alert'. The main body of the email lists dossier numbers: 'Dossier(s): CN201180066766, EP11850773, JP2013544980, KR20137019485, US201514966221'. It addresses the subscriber and informs them of dossier changes. Two entries are listed: one for CN201180066766 with a 'Global Dossier' icon and links to 'Notification to Grant Patent Right for Invention(PCT) (ORIGINAL)' and '(TRANSLATED)', and another for EP11850773 with a 'Global Dossier' icon and a link to 'Communication about intention to grant a European patent'. At the bottom, there are links to 'Unsubscribe to this e-mail alert', 'EPO Online Services legal notices', a disclaimer, and the EPO contact information.

Global Dossier Alert

Dossier(s): CN201180066766, EP11850773, JP2013544980, KR20137019485, US201514966221

Dear subscriber,

We inform you of the following dossier changes:

- CN201180066766 (publication [CN103339138](#))  [Global Dossier](#)
Selective glycosidase inhibitors and uses thereof
18.05.2017 [Notification to Grant Patent Right for Invention\(PCT\) \(ORIGINAL\)](#)
18.05.2017 [Notification to Grant Patent Right for Invention\(PCT\) \(TRANSLATED\)](#)
- EP11850773 (publication [EP2655388](#))  [Global Dossier](#)
SELECTIVE GLYCOSIDASE INHIBITORS AND USES THEREOF
18.05.2017 [Communication about intention to grant a European patent](#)

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European Patent Office
[www.epo.org](#)

Asian patent information services by EPO

Support for European users

- *to better understand Asian patent information*
 - *to gain easier access to documents in Asian languages*
-
- help solving PI / documentation issues
 - regular news, training, presentations, webinars
 - annual "East meets West" forum in Vienna
 - exchange between Asian experts & (European) users
 - countries from Asia and beyond
 - virtual helpdesk www.epo.org/asia
 - **free of charge or marginal cost**



Legal event categories (classification) in INPADOC

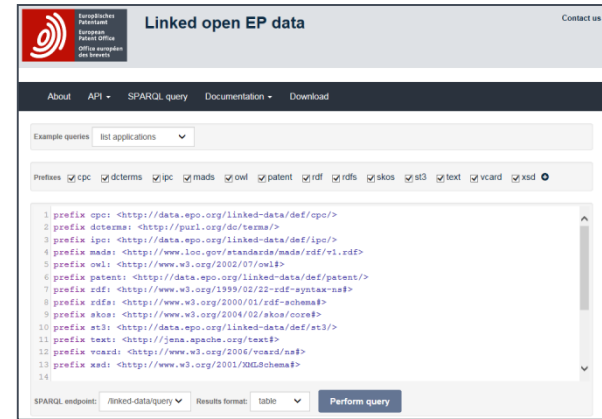
- Many different legal event codes in different countries
- Difficult to understand & compare
- Need to harmonise similar codes for different patent authorities
- Categorisation according to “type” of event
- Compatible with WIPO ST.27

Main category	Title
A	Application filing
B	Application discontinuation
C	Application revival
D	Search and examination
E	Pre-grant review request
F	IP right grant
G	Protection beyond IP right term
H	IP right cessation
K	IP right revival
L	IP right review request
M	IP right maintenance
H	Permanent termination
P	Document modification
Q	Document publication
R	Party data change
S	Licensing information
T	Administrative procedure adjustment
U	Payment
V	Appeal
W	Other
Y	Correction and deletion of event information
Z	Not classifiable

Information is the new currency: *Linked open patent data*

- Patent data components made accessible
 - URI, SPARQL
- Invite to develop apps, systems, to combine
- Make PI relevant outside the patent world
- Use / application not pre-determined
 - foster / support new business models

<http://www.epo.org/searching-for-patents/data.html>



The screenshot shows the 'Linked open EP data' interface. At the top left is the European Patent Office logo. The main header is 'Linked open EP data' with a 'Contact us' link. Below the header is a navigation bar with 'About', 'API', 'SPARQL query', 'Documentation', and 'Download'. A search bar contains 'Example queries' and a dropdown menu for 'list applications'. Below the search bar is a 'Prefixes' section with a list of icons and labels: cpc, dcterms, ipc, mads, owl, patent, rdf, rdfs, skos, st3, text, vcard, and xsd. A large text area contains a list of 14 SPARQL prefixes, such as 'prefix cpc: <http://data.epo.org/linked-data/def/cpc/>' and 'prefix owl: <http://www.w3.org/2002/07/owl#>'. At the bottom, there is a 'SPARQL endpoint:' dropdown set to '/linked-data/query', a 'Results format:' dropdown set to 'table', and a 'Perform query' button.

EPO survey: Information sources for Innovation

> 250 employees



Technical

Legal

**Business /
Economic**



Patents

Databases

Personal
Contacts

1 – 10 employees



Technical

Legal

**Business /
Economic**



Forums

Blogs

Library

Forums

Blogs

Business use of patent information

PATSTAT product line

- Statistical analysis
- Markets, sectors, applicants
- Relevance outside patent world



Summary: PI trends and EPO's actions

- **Modern patent searching:**
 - New Espacenet
- **Globalisation of patent information:**
 - Machine translation
 - Federated Register
 - Global Dossier
 - Asian patent information services
 - Legal event categorisation
- **Information is the new currency:**
 - Linked open EP data
 - Promote use outside patent world (business, economics)



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Patentamt
European
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des brevets

Thank you!

