Espacenet, the EP Register and other EPO Patent information tools

Roma, 8 Luglio 2014
Overview

- Patent Searching
- Machine Translation
- Legal and Procedural Status
- Patent Statistics
Patent Searching
of course you know Espacenet

Espacenet: free access to the database of over 80 million patents

New CPC-Browser in Espacenet

Since the launch of the CPC in January last year, the schema itself has undergone a number of revisions. The CPC browser too has adapted to meet both users' needs and requirements from the evolution of the CPC. The latest version of the browser contains a number of new user friendly features.

In the toolbar there's a date picker which allows you to choose a particular month, or a date range, and see whether there has been a CPC revision during that time. The date picker also links to the notice of changes on the CPC site.

There are 3 new buttons that allow you to show or hide the 2000 series codes and you can choose to show them interleaved (their proper place in the CPC hierarchy) or at the end of the screen. The interleaved position is the official position and this will be the default in future.

Dedicated icons link you to the official printable CPC schema itself in .pdf, CPC definitions, CPC notes and CPC warnings.
...or maybe this one
Espace.net CPC browser - Date Picker

Finds dates or date ranges when the scheme was updated
Notice of Changes

CPC 2014.02:
- CPC Notice of Changes 13
- CPC Notice of Changes 14
- CPC Notice of Changes 15

CPC 2014.01:
- CPC Notice of Changes 16
- CPC Notice of Changes 17

CPC 2013.12:
- CPC Notice of Changes 11
- CPC Notice of Changes 12

CPC 2013.11:
- CPC Notice of Changes 8
- CPC Notice of Changes 9
- CPC Notice of Changes 10

CPC 2013.09:
- CPC Notice of Changes 3
- CPC Notice of Changes 4
- CPC Notice of Changes 5
- CPC Notice of Changes 6
- CPC Notice of Changes 7

CPC 2013.07:
- CPC Classification order 1
- CPC Classification order 2
## Display of CPC “2000 series”

<table>
<thead>
<tr>
<th>CPC Code</th>
<th>Description</th>
</tr>
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<tr>
<td>G02F 1/0147</td>
<td>•• based on thermo-optic effects ( { G02F 1/132 takes precedence; tenebrescent compositions C09K 9/00 ; radiation pyrometry G01J 5/00 ; thermometers using change of colour or translucency G01K 11/12 } )</td>
</tr>
<tr>
<td>G02F 1/015</td>
<td>• based on semiconductor elements with at least one potential jump barrier, e.g. PN, PIN junction ( G02F 1/03 takes precedence )</td>
</tr>
<tr>
<td>G02F 2001/0151</td>
<td>••• modulating the refractive index</td>
</tr>
<tr>
<td>G02F 2001/0152</td>
<td>••••• by free carrier effects (Plasma)</td>
</tr>
<tr>
<td>G02F 2001/0153</td>
<td>••••• by electro-refraction (Kramers-Kronig relation)</td>
</tr>
<tr>
<td>G02F 2001/0154</td>
<td>••••• by electro-optic effects (LEO=Pockels, QEO=Kerr)</td>
</tr>
<tr>
<td>G02F 2001/0155</td>
<td>••• modulating the optical absorption</td>
</tr>
<tr>
<td>G02F 2001/0156</td>
<td>•••••• by free carrier absorption</td>
</tr>
<tr>
<td>G02F 2001/0157</td>
<td>••••••• by electro-absorption effects (FK, Stark, QCSE)</td>
</tr>
<tr>
<td>G02F 2001/0158</td>
<td>••••••••• with blue-shift of the absorption band</td>
</tr>
<tr>
<td>G02F 2001/0159</td>
<td>••••••••• with red-shift of the absorption band</td>
</tr>
<tr>
<td>G02F 1/017</td>
<td>•• Structures with periodic or quasi periodic potential variation, e.g. superlattices, quantum wells</td>
</tr>
</tbody>
</table>
Espace\textsuperscript{net}

Show/ hide 2000 series, interleaved, or at end
CPCNO and combination sets displayed

**Classification:**

- **international:** A61K31/365; A61K9/20; A61K9/28; A61P37/06
- **cooperative:** default A61K31/365; A61K9/2018; A61K9/2077; A61K9/2866

CPCNO A61K31/365; A61K9/20; A61K9/28

**Classification:**

- **international:** C08F12/08; C09D5/34
- **cooperative:** default C08F12/08; C09D5/34

C-sets C08F12/08, C08F2/44
New Rich CPC tooltip
Global Patent Index (GPI):

- EPO's search interface for advanced patent searches
- more than 80 million patent documents
  - over 90 patent authorities

- includes:
  - bibliographic data and abstracts
  - classification data
  - citation, patent family & legal events
Global Patent Index (GPI):

- **new features:**
  - PatentTranslate available in GPI
  - search interface also in Japanese and Spanish

- **new search options:**
  - legal events (date, code and text)
  - CPC combi-sets
Translation of Abstract of CN103321040 (A):

Production process of a sunscreen fabric for making sunscreen clothing. The process includes:

1. Spinning out multidirectional tension on polyester fiber to form porous polyester fiber, and carrying out drying treatment on the porous polyester fiber, so that the porous polyester fiber has the appearance characteristics of a sponge.
2. Conducting solution processing on the processed polyester fiber, wherein a mangle solution is used, and the primary mangle solution processing is more than 80 percent;
3. Carrying out pilling printing processing; and
4. Carrying out weaving processing on the dried fiber. Due to the material property for making the sunscreen clothing is simple to operate and easy to control; and the UV screening effect, good absorbability and a good sunscreen effect and is resistant to water washing...
Legal Status - European Patent Register

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<tr>
<th>Event date</th>
<th>Event description</th>
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**Designated State(s):**
- AL
- AT
- BE
- BG
- CH
- CY
- CZ
- DE
- DK
- EE
- ES
- FI
- FR
- GB
- GR
- HR
- HU
- IE
- IS
- IT
- LI
- LT
- LU
- LV
- MC
- MK
- MT
- NL
- NO
- PL
- PT
- RO
- RS
- SE
- SI
- SK
- SM
- TR

- Event date: 02.11.2011
- Event description: EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
- Countries concerned: BE, ME

- Event date: 26.12.2011
- Event description: CLASSIFICATION (CORRECTION)
- IPC Classification: B23D 35/00 200000101AF1202111123BEH

- Event date: 26.12.2011
- Event description: CLASSIFICATION (CORRECTION)
- IPC Classification: B21B 15/00 200000101AL202111123BEH

- Event date: 21.03.2012
- Event description: REFERENCE TO A NATIONAL CODE
- Event code: REG GB FG4D
- Code Exp.: +EUROPEAN PATENT GRANTED
European Patent Register - Deep linking
European Patent Register - Deep linking

27 countries*

* as of July 2014
Deep linking from Espacenet

The process comprises forming patterns against undercutting by melting and lifting local material of a surface using a laser or by laser welding. The step of forming the patterns is devoid of removing a material from the surface to be prepared. Each pattern against undercut is formed on the surface in a single pass of a laser. A temperature of the surface is less than 2000[deg]C during the formation of the patterns against undercut. An independent claim is included for a process for thermal spray coating of a surface.
Phase II – “Federated Retrieval”
Phase II - Common view
(later in 2014)

**European Patent Register**

**Federated register: EP1499210**

**BADGE, SUCH AS CAMPAIGN BUTTON, AND METHOD AND DEVICE FOR PRODUCING THEREOF**

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<td>EP1499210</td>
<td>Quickbutton Badges AB</td>
<td>A44C3/00 G09F3/18</td>
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Only countries providing this service are displayed. The EPO does not accept any responsibility for the accuracy or quality of the data displayed, including but not limited to their completeness and fitness for specific purposes, nor can it guarantee that such data are up to date. For authoritative information, please refer to the relevant national patent authority, e.g. using the links provided in the table.

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**National Registers**
Deep linking from common view
INPADOC Legal Status still exists!

### INPADOC data

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More new features in the EP Register

- **RSS feeds** in the Search Results list and “All documents” section
- **download options** in the Search Results list (CSV/XLS) and the “All documents” section (Zip Archive)
- Updated EPR online assistant ([http://www.epo.org/register-assistant](http://www.epo.org/register-assistant))
### European Patent Register

#### Patent family: EP2605601

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#### Priority number

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**Quick help**
- What happens if I click on the "XML" or "ST36" buttons?
- What does "patent family" mean?
- What are "equivalents"?
- What is Global dossier?
- Which types of document will I find under "Patent family"?
- What does A1, A2, A3 and B stand for after a publication number?

**Maintenance news**

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**Global Dossier – An IP5 Initiative**

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**European Patent Office**
中华人民共和国国家知识产权局

518129
广东省深圳市龙岗区坂田华为基地B1-3A知识产权部
宋海燕

申请号或专利号: 20110415114

申请人或专利权人: 华为终端有限公司

发明创造名称: 一种触发LTE单卡待多模终端进行联合注册的方法及终端

第一次审查意见通知书

1. 回应申请人提出的实质审查请求，根据专利法第35 条第1 款的规定，国家知识产权局对上述发明专利申请进行实质审查。

2. □申请人要求以其在：
   □申请人已提交了经原受理机构证明的第一次提出的在先申请文件的副本。
   □申请人尚未提交经原受理机构证明的第一次提出的在先申请文件的副本，根据专利法第30 条的规定视为未要求优先权要求。
Global Dossier – Current & Future

Current:

- Only SIPO file wrapper accessible
- Only CN-Applications since February 2010
- Only families with EP member

Future:

- JPO / USPTO / KIPO access in 2015
- More patent families?
- More countries?
EPO Worldwide Patent Statistical Database (PATSTAT)

- Sophisticated statistical analyses of patent data
- Bibliographic data on > 80 million patent documents

- Online or installable
- Updated twice a year
- New: can be supplemented by
  - Legal event data from many countries worldwide
  - European patent register data
    - Bibliographic / legal / procedural information
    - EP applications
    - EURO-PCT applications
Grazie!

Heiko Wongel

hwongel@epo.org