Search matters 2015
Patent information services for experts
Patrick Le Gonidec

- At the EPO since 2002

- Project manager for Patent Information products:
  - European publication server
  - “Patent information services for experts” (UI), and underlying DBs:
    - Global patent index (GPI)
    - European patent applications and specifications (EPAB)
    - European patent bulletin (BULL)

- plegendec@epo.org
Purpose of the workshop

- Understand complementarities and main aspects of EP-related products:
  - Search features
  - UI features
  - Visualisation features
Outline

1. Introduction – Portfolio of EPO Patent information products

2. Access to EP documents via the official publication platform

3. Access to EP documents via the advanced search user interface

4. Conclusions – what’s next?
Portfolio of EPO Patent information products

Human access

- EPAB
- EPS
- BULL
- Register
- GPI
- Espacenet
- PATSTAT

Machine access

- OPS web service
- EPS web service
- raw data
Outline

1. Introduction – Portfolio of EPO Patent information products

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Official publication platform

Human and machine access to EP patent documents via the European publication server (EPS) https://data.epo.org/publication-server

All EP A and B documents starting from EP 0000001 A1 are loaded and available in XML and PDF/A
European publication server

Result list

Search
Kind Code = A1 or A2
Publication Date = 2015/02/11
IPC symbol = A61K

Result:
129 document(s) found

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European patent server

EP2835369

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- Abstract
- Description
- Claims
- Drawing

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European publication server

Data coverage

The European Publication Server covers European patent documents published by the EPO from 1978/12/20 to 2015/02/11.

A cumulative list of publication numbers is available in CSV format.

Each weekly XML file in the following list contains the list of European patent documents published at the corresponding date.

Current year: 2015

- EPO-2015-02-11.xml
- EPO-2015-02-04.xml
- EPO-2015-01-28.xml
- EPO-2015-01-21.xml
- EPO-2015-01-14.xml
- EPO-2015-01-07.xml
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**Kind of European patent documents**

- Disclaimer
- Kind of documents
- Updates of the European publication server
- Syntax for the retrieval of European patent documents
- Operators available for searching
- Format of the European patent documents
- EPO PDF profile
- DTDs (Documents type definitions)
- XSL style sheets for displaying the XML files
- Weekly files
- Web Service Access
- WIPO standards
3.4. RETRIEVAL OF RAW DATA

Description:

This service provides access to data in different ways depending on user agent registration (see also section 4):

- For machine access with registered user-agent: raw XML, HTML, PDF, and ZIP are retrievable.
- For machine access with unregistered user-agent, or human access:
  - raw XML and ZIP are retrievable.
  - HTML and PDF are retrievable as displayed in the publication server user interface.

URL template:

https://data.epo.org/publication-server/rest/v1.2/patents/{patentNumber}/document.{format}
European publication server (EPS):

- Official publication platform
- Secure access (https)
- Easy-to-use user interface
- All documents in XML and PDF/A
- [patenttranslate] (32 languages)
- Web service e.g. for automated download
- Cost effective for EPO
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Advanced search user interface

Step 1 - User identification
Username: PLG
Password: ********
Log in
Get username and password
Remember username and password

Step 2 - Select database
Subscriber-only databases

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BACKGROUND OF THE INVENTION

Field of the Invention

[0001] This invention relates generally to information and communication systems and, more particularly, to a wireless communication system for coordinating information and for providing notifications to a user regarding the information.

Description of the Related Art

[0002] The explosive growth of computers and the Internet has resulted in a vast wealth of information being available to individuals. This has coincided with an increased mobility and pace in everyday life, so that a person can become overwhelmed by an increasing load of information, as well as an increasing number of things to do and places to go. As a result, the ability to efficiently and competently maintain and manage information and tasks can provide a person with a significant edge in society.

[0003] There currently exists a variety of devices for storing and managing information such as calendars, to-do lists, and contact lists. The types of devices that can be used to store and manage such information vary widely and include desktop and laptop computers, as well as wireless mobile devices, such as personal digital assistants and mobile telephones. The upside of having so many available devices is that a person has several ways to store information and retrieve information.

[0004] However, the downside is that the sheer number of devices ends up adding to the confusion rather than making life easier. It is common for a single person to own a personal computer, a mobile phone, and a personal digital assistant and to use each of the devices to store information. This makes it difficult for a person to keep track of the devices, much less keep track of the information. The problem is even getting worse, as other devices, such as televisions and household appliances, are being equipped with the ability to store information. Coordination of information among the different devices can be a problem.

[0005] Another problem is that the devices are passive in that they are generally configured to just store information. For example, a device that is used to store a grocery list generally relies on the user to initiate periodic review of the list and to update the list as items are purchased or as the items need to be added. Thus, the device relies on user initiative in order to be truly helpful. As a result, the users who need the most help - those users who generally need to be reminded to review items on the list - are those who would benefit the least from having such a device.

[0006] In view of the foregoing, there is a need for an efficient way of coordinating and managing information among different devices, as well as a way to address the problems associated with too many devices.
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Advanced search user interface:

- Secure and unique access to all EP A and B documents
- Detailed search capabilities
- Highly customisable UI (focus on relevant data)
- Multiple download formats
- Search result visualisation
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What’s next?

- Better integration of EPS and EPAB?
- Cumulate with Euro-PCT documents?
- Enrich with CPC + combination sets?
- Combine with procedural / legal status data?
- Maintenance mode

Keep yourself informed and contribute:

forums.epo.org