



Value-added Features of Commercial Patent Information Resources

Andrew Czajkowski
Head, Innovation and Technology Support Section

Lusaka
July 16, 2014

Overview

- Patent Databases
 - Free
 - Coverage
 - Commercial Patent Databases
 - Advantages
 - Main features
- ASPI program

Free-of-charge patent information

■ PATENTSCOPE



■ Espacenet



■ JPO IPDL

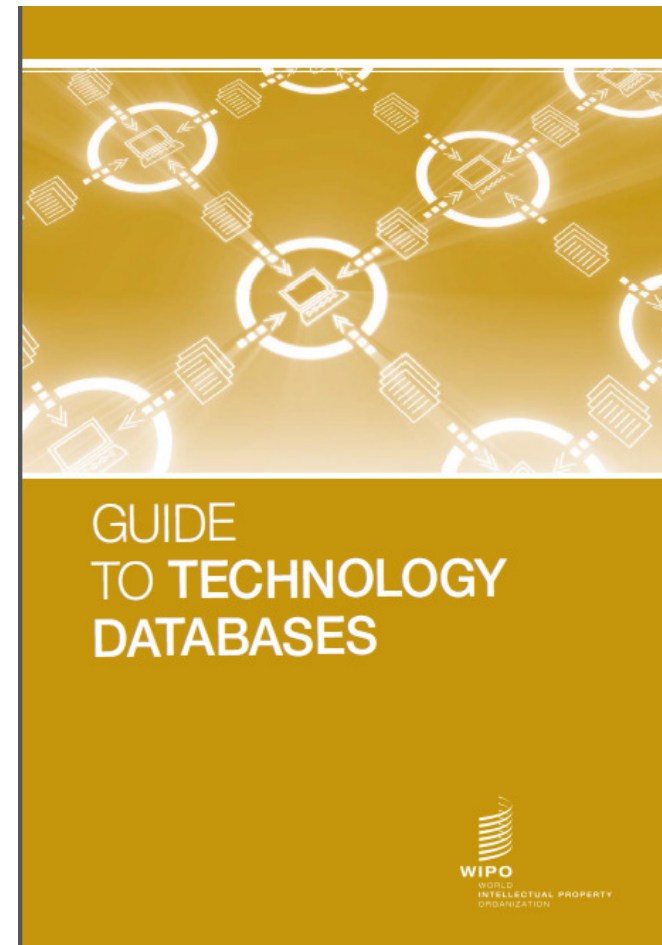


■ USPTO PatFT/AppFT



Patent Databases – Free & Commercial

- WIPO's PATENTSCOPE
- EPO's Espacenet
- USPTO
- DPMA
- JPO
- KIPO
- SIPO
- etc.



<http://www.wipo.int/tisc/en/resources.html>

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Challenges Searching Patent Databases

- Amount of Information
 - > 90 million patents published
- Languages
 - Different languages (+ non-latin)
 - Keywords/synonyms
 - Errors
- Geography
 - Coverage
- Time periods
 - Coverage
- Time and Budget Spent

Coverage : Differences

- **Patent collections**
Which countries or regions?
- **Document types**
Patent applications? Granted patents? More?
- **Document elements**
Bibliographic data? Descriptions? Claims
- **Time period**
- **Languages**
Multiple language versions? Translations?
- **Non-Patent Literature**
Simultaneous access to scientific and technical journals

Major Commercial Patent Database Providers

 LexisNexis®  TotalPatent

 minesoft  Patbase

 ProQuest  Dialog

 Questel  Orbit

 STN®  STN, CAS

 THOMSON REUTERS  Thomson Innovation

 WIPS  WIPS Global

Advantages of commercial databases

- “Value-added” data
 - Corrected bibliographic data
 - Enhanced title and abstract
 - Improved classification/indexing
- Sophisticated search, charting and analysis tools
 - Chemical formula / sequence search tools
 - Patent topographical maps
 - Citation analysis
 - Semantic search
- Provide integrated access to multiple sources of patent and non-patent literature (NPL)
- Customer Support

Example of value-added data: Thomson Reuters - DWPI

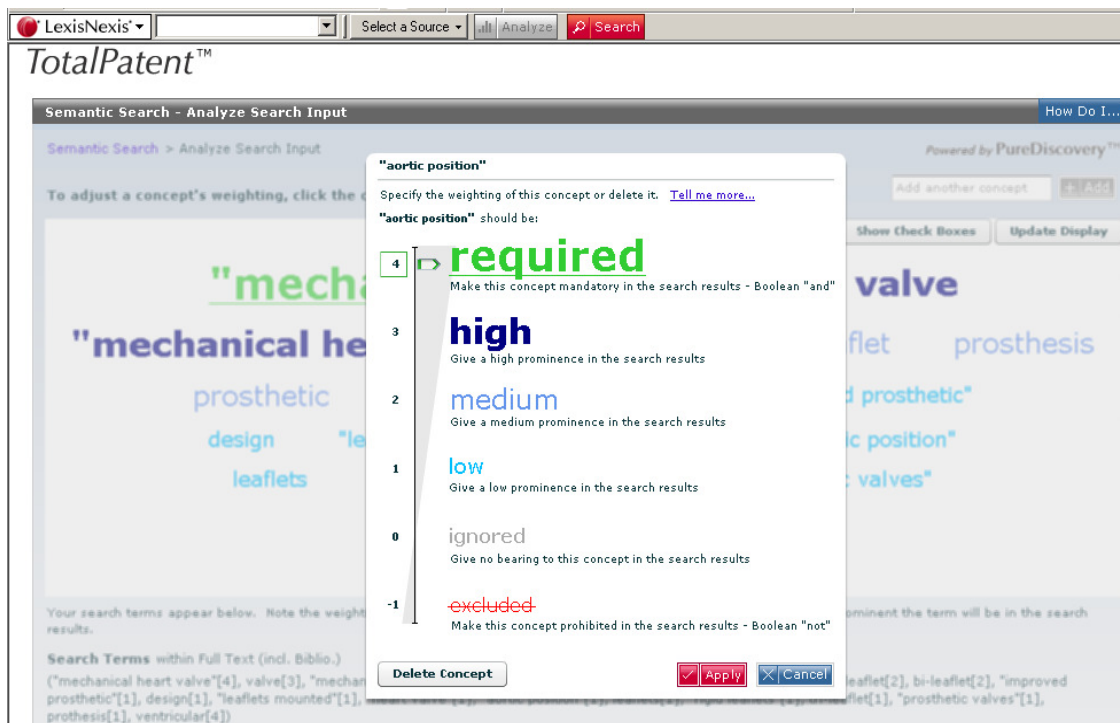
Derwent World Patents Index[®] (DWPI)

- Bibliography for 43 patent issuing authorities
 - Detailed information from 10 authorities
- Enhanced abstracts and titles
- Derwent classification and subject indexing
- Classification codes include reformed IPC, CPC, ICO, NCL, and F-terms
- Patent Assignee Codes (PACO)
- Dates back to 1963

Example of Value-added features: STN

- Cross-content search of patent and non-patent data
- Additional classification and abstracts (Derwent World Patent Index)
- Additional chemistry metadata (MARPAT, CAPIus)
- Chemical structure import and search
- Search index viewer
- Customized search term highlighting in results
- Patent family grouping

Example of semantic search: LexisNexis TotalPatent



- Semantic Searching: Identifies key concepts from entered text
- Proposes related terms, weighted by relevance
- Users choose or remove suggested terms

Example of visualization/analysis tools: Minesoft PatBase

7) Family number: 28624798 (US2003115712 AA)

Title: Motor housing for vacuum cleaner

Abstract:
 Source: US2003115712AA The present invention relates to a motor housing to be installed within a main body of a vacuum cleaner.
 The motor housing according to the present invention is installed within the main body of the vacuum cleaner including a dust collection unit capable of filtering out foreign substances.
 The motor housing comprises a casing 210 of which an upper portion is open; a cover 212 hingedly coupled to a side of the casing for opening and closing the casing; a fastening means for maintaining a state where the cover closes the casing; a suction portion 220 which is formed at a side surface of the casing and through which air can be introduced from the dust collection unit into the motor housing; and an exhaust portion 222 which is formed at the other side surface of the casing and through which the air introduced in the motor housing can be exhausted to the exterior.

International class: A47L5/12 A47L5/22 A47L5/36 A47L9/00 A47L9/22 A47L9/28
European class: A47L9/22
US class: 15/327.2

FIG. 2

Family:

Publication number	Publication date	Application number	Application date	Links
AU3817402 A5	20030626	AU20020038174	20020503	[Icons]
AU777386 B2	20041014	AU20020038174	20020503	[Icons]
CN1426728 A	20030702	CN20020118806	20020428	[Icons]
EP1321089 A2	20030625	EP20020009052	20020423	[Icons]
EP1321089 A3	20050119	EP20020009052	20020423	[Icons]
JP2003190051 A2	20030708	JP20020130412	20020502	[Icons]
JP3959314 B2	20041202	JP20020130412	20020502	[Icons]
KR2003052213 A	20030626	KR20010082128	20011220	[Icons]
RU2229257 C2	20040527	RU20020111639	20020429	[Icons]
US2003115712 AA	20030626	US20020127606	20020423	[Icons]

Priority: KR20010082128 20011220
Assignee(s): (std): LG ELECTRONICS INC
Inventor(s): (std): KIM SUNG GUEN ; SONG GVN KIM ; KIM SEONG GEUN
Inventor(s): SUNG GUEN KIM
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Links to:

- Citation tree
- Family status
- Full text
- Classification
- Espacenet
- Register
- Click to order
- PDF

Hit View provides additional links

Example of visualization/analysis tools: Questel Orbit.com

The screenshot displays the Questel Orbit.com interface for patent US2009250381. The main window shows the patent's abstract and claims. A sidebar on the left lists related patent numbers: CL28192008, US2009078415, PCT WO2009038728, UY31345, PE09182009, and US2009250381. Below the abstract, a table titled 'Published As' shows the publication history:

Publ. number	Publ. date	Appl. number	Appl. date	Publ. Stage
US2009250381	20091008	2009US-0404016	20090313	A1 - First publi

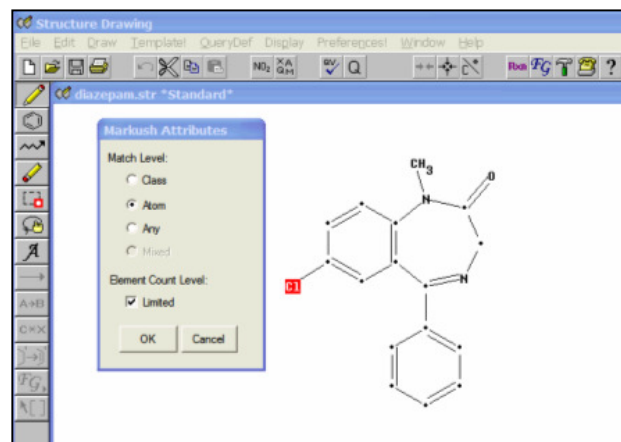
Below the table, the 'US Class Code' is listed as ORIGINAL (O): 208390000, CROSS-REFERENCE (X): 208400000. The 'Intl. classification' is C10G-001/00 and C10G-001/04. The 'IPC Advanced All' classification is C10G-001/04 [2006-01 A F I B H US], and the 'IPC Core All' classification is C10G-001/00 [2009 C F I B H US].

To the right of the patent text is a world map showing the geographical distribution of patent filings, with the United States highlighted in red. Below the map is a bar chart titled 'GoIt Distribution' showing the number of documents over time from 1992 to 2007. The chart shows a significant increase in document counts starting around 1996, peaking in 2002 at approximately 55 documents, and then declining to around 20 documents by 2007.

Examples of Chemical Search Databases

■ STN

- CA/CAPLUS
- CASREACT
- CAS REGISTRYSM
- MARPAT



■ Derwent World Patents Index[®] (DWPISM)

■ Questel, Merged Markush Service

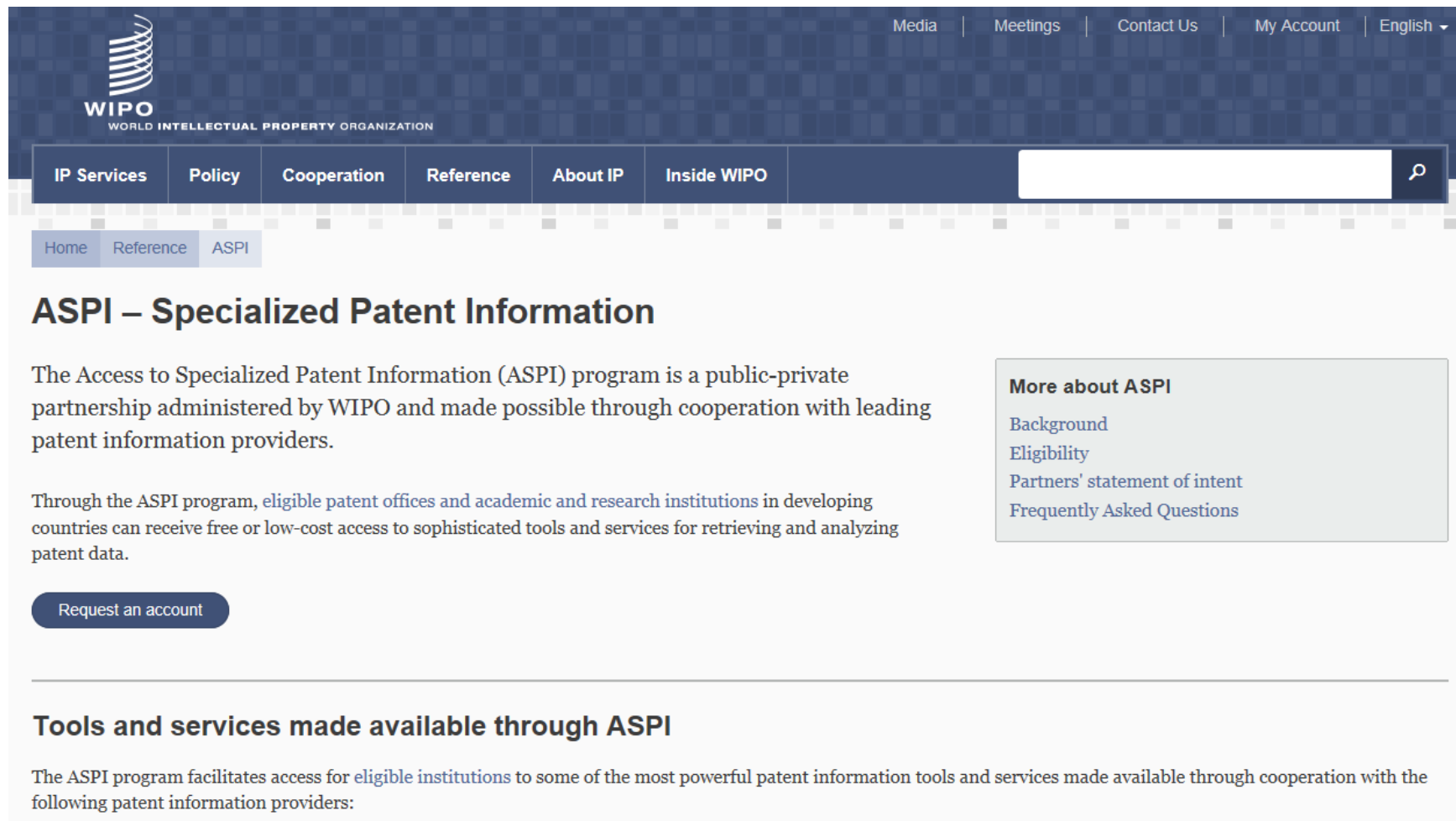
Examples of Sequence Search Databases

- **GenomeQuest** - "The first intranet sequence search engine with percent identity and biological searching. GenomeQuest works similar to premier web search engines, rapidly bubbling relevant records to the top. The software automates the reporting of the most important and relevant matches, minimizing tedious research, while providing advanced search algorithms so no relevant sequences are ever missed."
- **STN**
 - DGENE(Thomson Reuters GENESEQ™):
 - USGENE® (The USPTO Genetic Sequence Database)
 - PCTGEN (WIPO/PCT Patent Application Biosequences, the complete collection of e-published sequences from WIPO)
 - CAS REGISTRYSM (Chemical Abstracts Service REGISTRY, worldwide value-added patent and non-patent sequence data)

Access to Specialized Patent Information (ASPI)

- Public-private partnership with 5 commercial patent database providers: LexisNexis, Minesoft, Questel, Thomson Reuters and WIPS
- IPO/institution to choose which database suits its needs best

Access to Specialized Patent Information (ASPI)



The screenshot shows the WIPO ASPI website homepage. At the top, there is a dark blue header with the WIPO logo and navigation links for Media, Meetings, Contact Us, My Account, and English. Below the header is a navigation bar with links for IP Services, Policy, Cooperation, Reference, About IP, and Inside WIPO, along with a search bar. The main content area features a breadcrumb trail (Home > Reference > ASPI) and a main heading "ASPI – Specialized Patent Information". The text describes the ASPI program as a public-private partnership. A "Request an account" button is visible. On the right, a "More about ASPI" box contains links for Background, Eligibility, Partners' statement of intent, and Frequently Asked Questions. A section titled "Tools and services made available through ASPI" follows, mentioning access for eligible institutions.

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IP Services | Policy | Cooperation | Reference | About IP | Inside WIPO

Home | Reference | ASPI

ASPI – Specialized Patent Information

The Access to Specialized Patent Information (ASPI) program is a public-private partnership administered by WIPO and made possible through cooperation with leading patent information providers.

Through the ASPI program, eligible patent offices and academic and research institutions in developing countries can receive free or low-cost access to sophisticated tools and services for retrieving and analyzing patent data.

[Request an account](#)

More about ASPI


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- [Eligibility](#)
- [Partners' statement of intent](#)
- [Frequently Asked Questions](#)

Tools and services made available through ASPI

The ASPI program facilitates access for [eligible institutions](#) to some of the most powerful patent information tools and services made available through cooperation with the following patent information providers:

<http://www.wipo.int/aspi>

Request an ASPI account



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Request an ASPI account

If your institution is a patent office or a research or academic institution in a developing country, [your institution may be eligible to join the ASPI program](#). To register, please complete the form below. Only one registration is required per institution.


Once your registration has been processed, user license agreements will be sent to your institution's director for the selected patent data services. Upon receipt of the signed agreements, login details for the patent data services will be sent to your institution's director and chief librarian at the e-mail addresses provided in the form below. Should your institution not have a librarian, the login details will be sent to your institution's director only.

All fields marked with * are mandatory.

In order to be acquainted and effectively use these services, it is strongly recommended that a maximum of 2 services are used concurrently. It is, therefore, important to carefully review each service's content functionalities before selecting a specific service. You may [contact us](#) if you encounter any problems filling out this form.

Institution

Country, area or territory (must be on list to participate in the ASPI Program) *	<input type="text" value="Select Country, area or territory"/>
Type of institution *	<input type="text" value="Select an institution"/>
Full name of institution *	<input type="text"/>



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ASPI Partners and More Information



(PHOTO: LEXISNEXIS).

TotalPatent

Search the largest online collection of enhanced first-level patent data.

Summary [PDF](#)



(PHOTO: MINESOFT).

PatBase

One of the most relied-upon patent databases available, used daily by patent professionals around the world as their primary search tool. Summary [PDF](#)



(PHOTO: QUESTEL).

Orbit.com

Portal for patent, design, and legal professionals looking for a comprehensive coverage and powerful tools. Summary.



(PHOTO: THOMSON REUTERS).

Thomson Innovation

The world's most comprehensive IP research and analysis platform. Summary

[PDF](#)



(PHOTO: WIPS GLOBAL).

WIPS Global

Worldwide patent information online service. Summary [PDF](#)

Websites: Commercial patent databases

- PatBase <http://minesoft.com/patbase.asp>
- Questel <http://www.questel.orbit.com/>
- STN <http://www.cas.org/support/stngen/index.html>
- Thomson Innovation www.thomsoninnovation.com
- Total Patent <http://lexisnexis.com/ip/totalpatent/>
- WIPS <http://wipsglobal.com>

Access for free in Zambia through:

- ASPI <http://www.wipo.int/aspi>