Value-added Features of Commercial Patent Information Resources

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WIPO
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Overview

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

Free-of-charge patent information
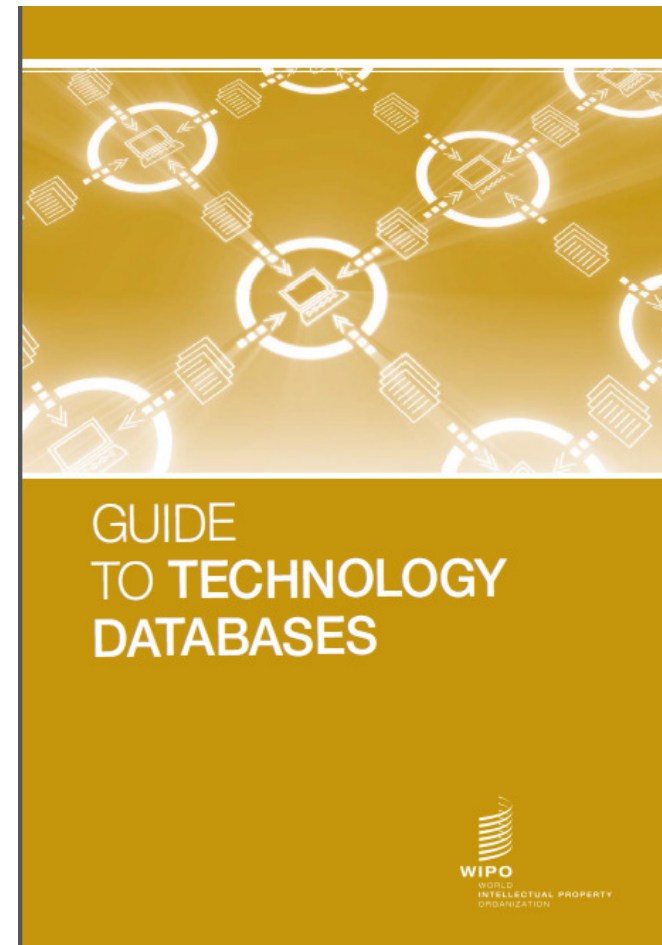
- PATENTSCOPE

- Espacenet

- JPO IPDL

- USPTO PatFT/AppFT

Patent Databases – Free & Commercial

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

GUIDE
TO **TECHNOLOGY**
DATABASES

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

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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

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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

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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, CAPlus)

- Chemical structure import and search

- Search index viewer

- Customized search term highlighting in results

- Patent family grouping

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Example of semantic search: LexisNexis TotalPatent
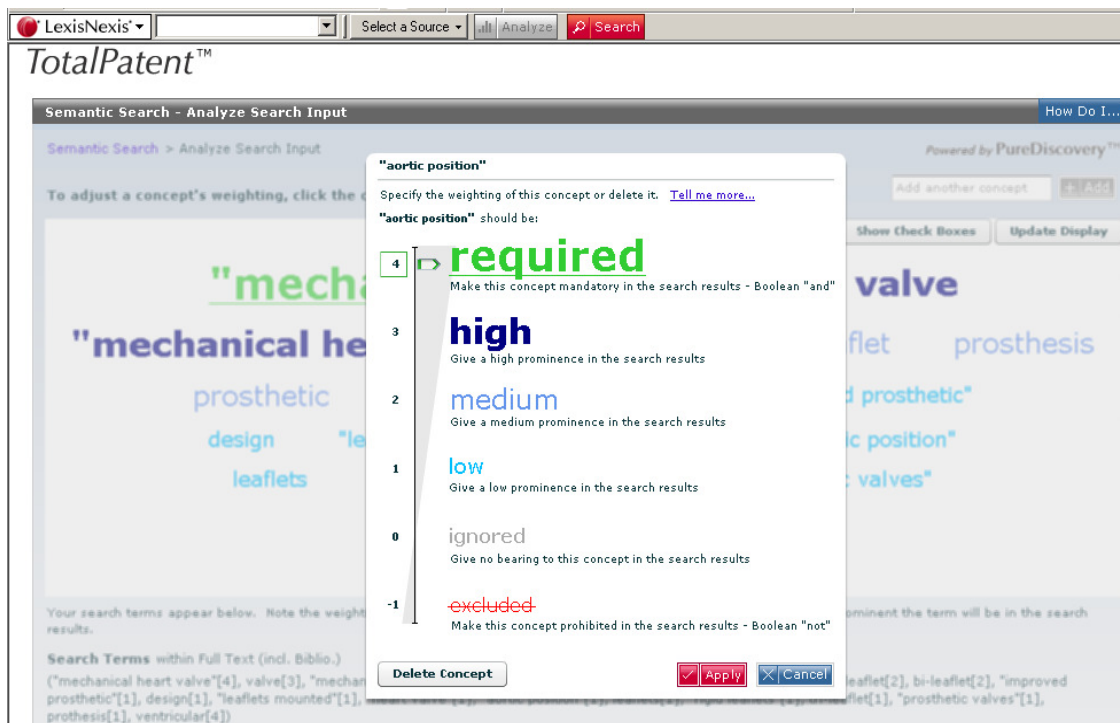
- Semantic Searching:
  Identifies key concepts from entered text
- Proposes related terms, weighted by relevance
- Users choose or remove suggested terms

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Example of visualization/analysis tools: Minesoft PatBase

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

Examples of Chemical Search Databases

- STN
  - CA/CAplus
  - CASREACT
  - CAS REGISTRY^{SM}
  - MARPAT
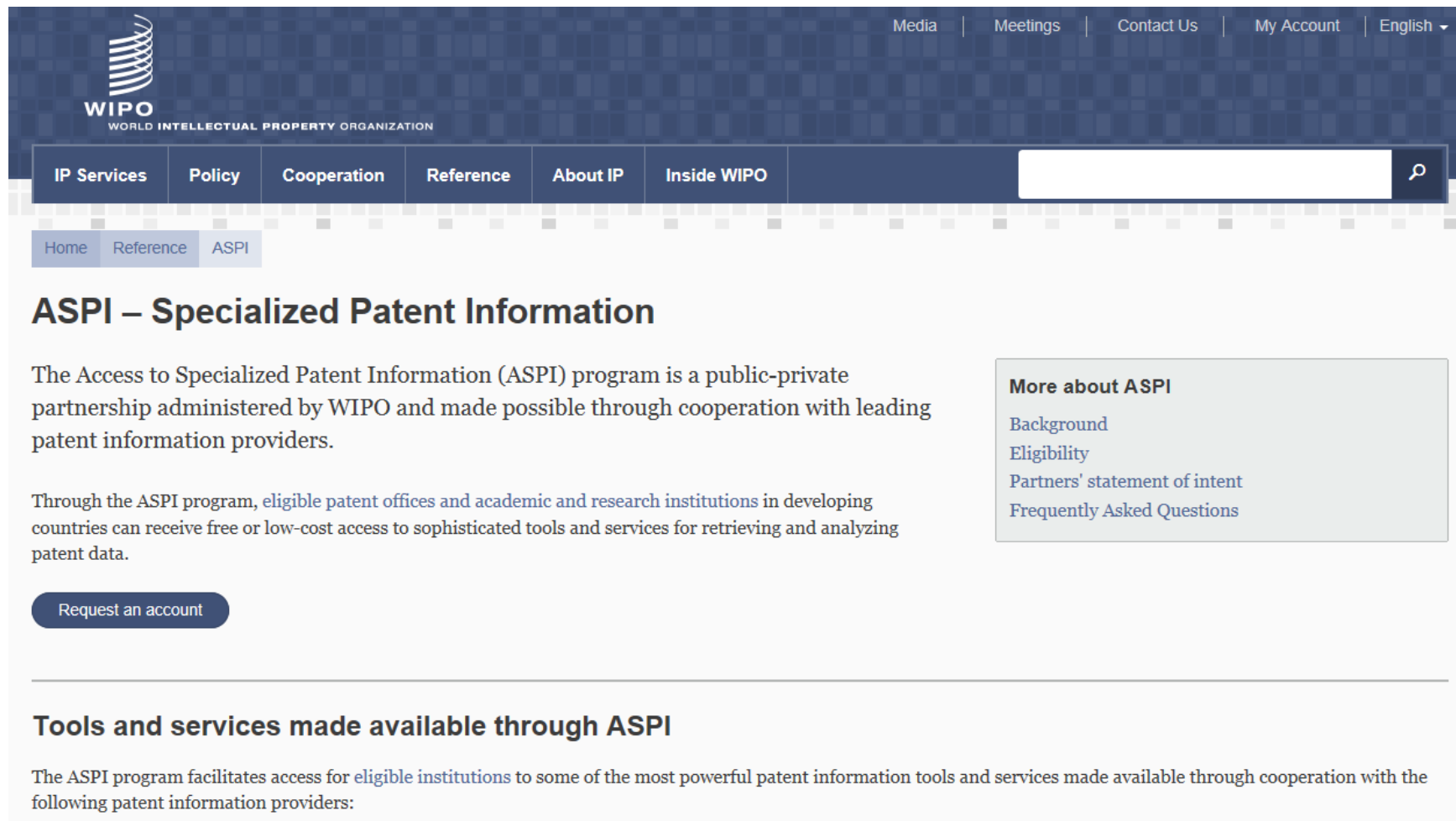- Derwent World Patents Index® (DWPI^{SM})
- Questel, Merged Markush Service
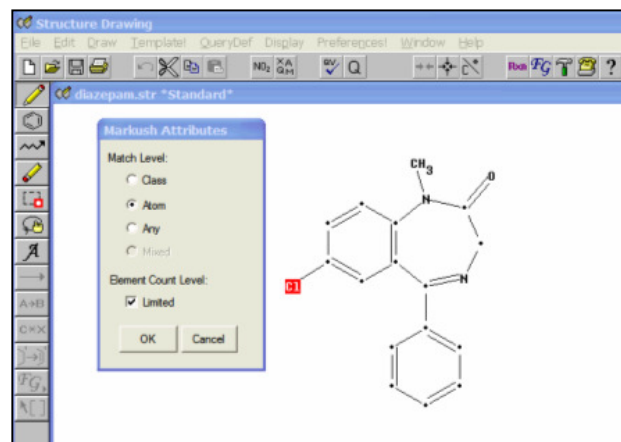
Examples of Sequence Search Databases

■ **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$^{TM)}$:
  ■ USGENE® (The USPTO Genetic Sequence Database)
  ■ PCTGEN (WIPO/PCT Patent Application Biosequences, the complete collection of e-published sequences from WIPO)
  ■ CAS REGISTRY^{SM} (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)

http://www.wipo.int/aspi

Request an ASPI account

ASPI Partners and More Information

TotalPatent

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

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

Orbit.com

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

Thomson Innovation

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

WIPS Global

Worldwide patent information online service. Summary PDF

(PHOTO: LEXISNEXIS).
(PHOTO: MINESOFT).
(PHOTO: QUESTEL).
(PHOTO: THOMSON REUTERS).
(PHOTO: WIPS GLOBAL).

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

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