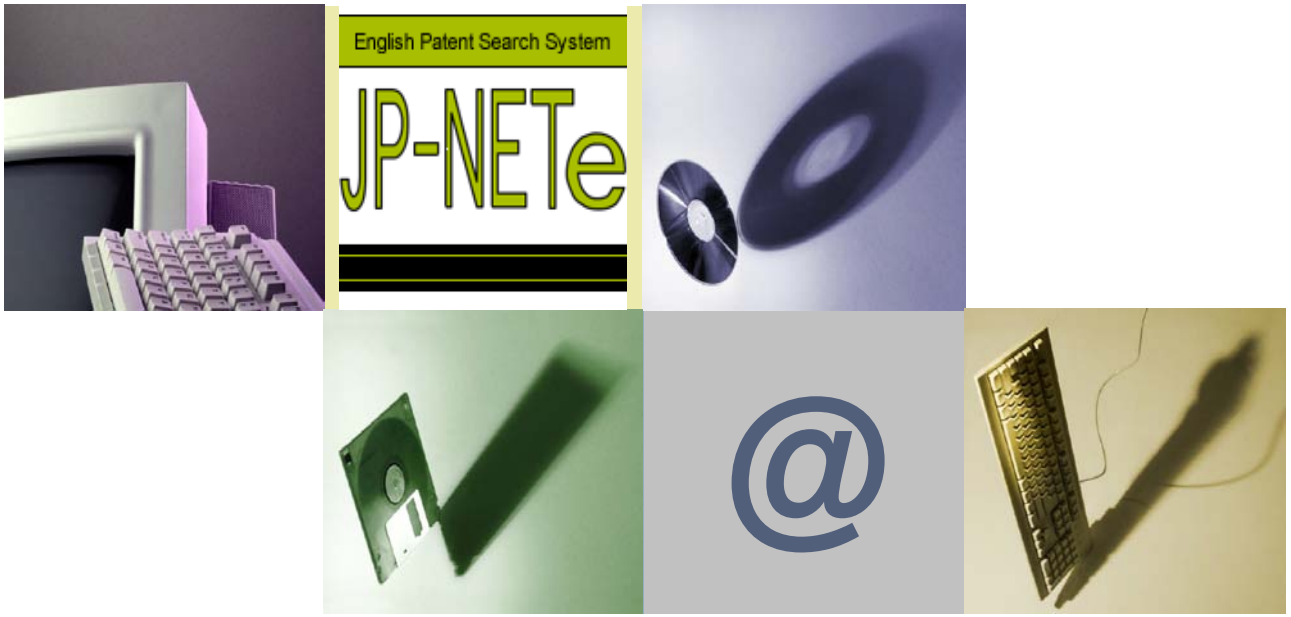
Strategic Use of Search Tools, Databases and IP Portals



WIPO Regional Workshop in Manila, Dec. 7 to 9, 2010

Shigeaki Oda, Japan Patent Data Service Co., Ltd.

Patent Information Fair & Conference
PIUG Mail Magazine (dated Nov.10)

http://wiki.piug.org:80/display/PIUG/Patent+Databases

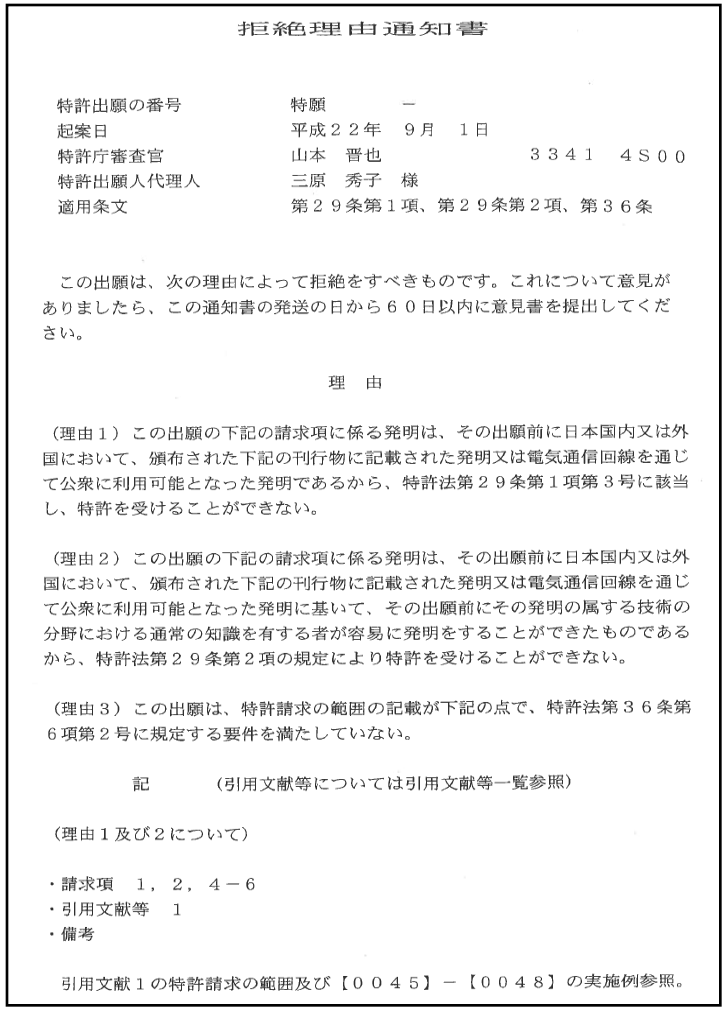
Various Search Tools and Databases (1)

- JPO http://www.jpo.go.jp/index.htm
  - IPDL http://www.ipdl.inpit.go.jp/homepg_e.ipdl
- EPO http://www.epo.org/index.html
  - Esp@cenet http://www.espacenet.com/access/index.en.htm
- USPTO http://www.uspto.gov/
  - PatFT, AppFT, PAIR http://www.uspto.gov/patents/process/search/index.jsp#heading-1
- SIPO http://www.sipo.gov.cn/sipo_English/
  - Patent Search http://59.151.99.140/sipo_EN/search/tabSearch.do?method=init
  - CNIPR (IPPH) http://english.cnipr.com/cnipreng/
- KIPO http://www.kipo.go.kr/kpo/eng/?catmenu=KIPOENG
  - KIPO net (KPA, K-PION, etc.) http://www.kipo.go.kr/kpo/eng/?catmenu=KIPOENG
  - KIPRIS (KIPI) http://eng.kipris.or.kr/eng/main/main_eng.jsp
- WIPO http://www.wipo.int/portal/index.html.en
  - PATENTSCOPE http://www.wipo.int/patentscope/en/

Various Search Tools and Databases (2)

- ***Thomson Innovation (Thomson Reuters)***
  - *http://www.thomsoninnovation.com/*
  - ***Derwent World Patent Index (DWPI)***
- ***Total Patent (LexisNexis)***
  - *https://www.lexisnexis.com/totalpatent/signonForm.do*
- ***Qrbit.com (Questel)***
  - *http://www.orbit.com/index.html#WelcomePage*
- ***STN Easy (CAS, FIZ and JAICI)***
  - *http://www.cas.org/support/stngen/index.html*
  - *https://stneasy.cas.org/html/english/login1.html?service=STN*
  - ***CA, CAPlus, Registry, DWPI***
- ***JP-NETe (JPDS)***

Notification of Reasons for Refusal (JPO)



拒絶理由通知書

特許出願の番号	特願　　－
起案日	平成２２年　９月　１日
特許庁審査官	山本　晋也　　３３４１　４Ｓ００
特許出願人代理人	三原　秀子　様
適用条文	第２９条第１項、第２９条第２項、第３６条

この出願は、次の理由によって拒絶をすべきものです。これについて意見がありましたら、この通知書の発送の日から６０日以内に意見書を提出してください。

理　由

（理由１）この出願の下記の請求項に係る発明は、その出願前に日本国内又は外国において、頒布された下記の刊行物に記載された発明又は電気通信回線を通じて公衆に利用可能となった発明であるから、特許法第２９条第１項第３号に該当し、特許を受けることができない。

（理由２）この出願の下記の請求項に係る発明は、その出願前に日本国内又は外国において、頒布された下記の刊行物に記載された発明又は電気通信回線を通じて公衆に利用可能となった発明に基いて、その出願前にその発明の属する技術の分野における通常の知識を有する者が容易に発明をすることができたものであるから、特許法第２９条第２項の規定により特許を受けることができない。

（理由３）この出願は、特許請求の範囲の記載が下記の点で、特許法第３６条第６項第２号に規定する要件を満たしていない。

記　　（引用文献等については引用文献等一覧参照）

（理由１及び２について）

・請求項　１，２，４－６
・引用文献等　１
・備考

引用文献１の特許請求の範囲及び【００４５】－【００４８】の実施例参照。

Patent Act 29 (1)

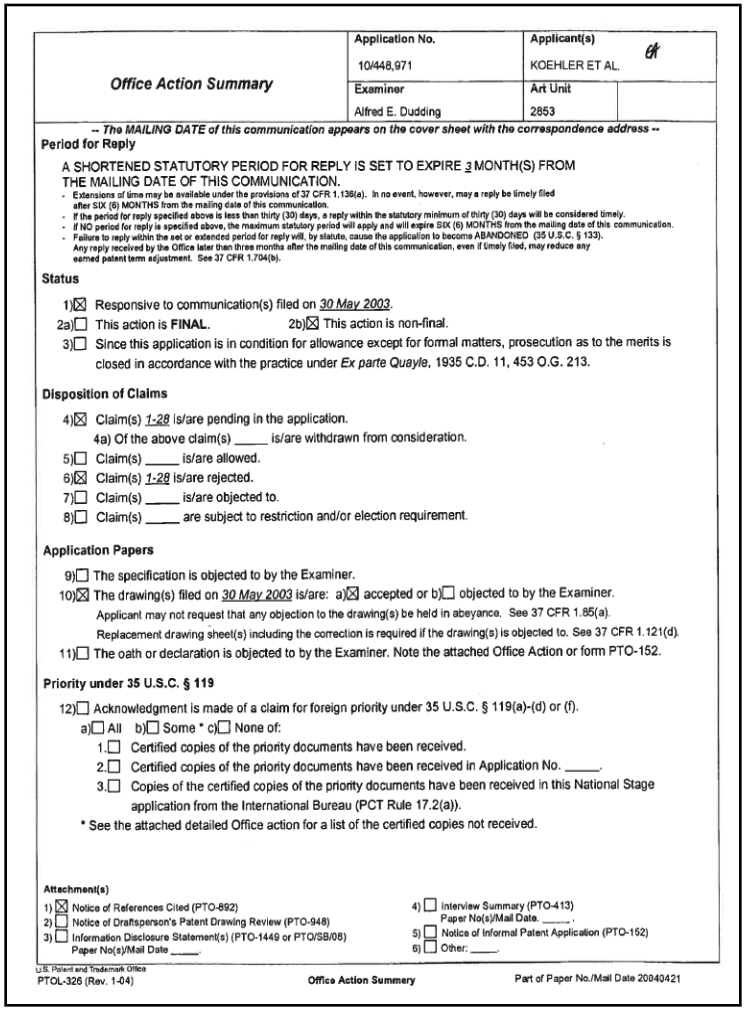
Invention applicable industrially may obtain a patent, except for the following:

1. ***Inventions publicly known***
2. ***Inventions publicly worked***
3. ***Inventions described in a distributed publication, or publicly available via an electric telecommunication line***

Flow of Obtaining a Patent Right in Japan

1. ***Application***
2. ***formality Examination***
3. ***Substantive Examination***
   Novelty Search/ Inventive Step Search
4. ***Decision to grant a Patent***
   Decision of Refusal
5. ***Appeal against Decision of Refusal***

Office Action Summary (USPTO)
Communication Pursuant to Article 94(3) (EPO)



Office Action Summary	Application No. 10/448,971	Applicant(s) KOEHLER ET AL.
	Examiner Alfred E. Dudding	Art Unit 2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on 30 May 2003.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-28 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-28 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on 30 May 2003 is/are: a)☒ accepted or b)☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a)☐ All b)☐ Some * c)☐ None of:
1.☐ Certified copies of the priority documents have been received.
2.☐ Certified copies of the priority documents have been received in Application No. _____.
3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 1-04) Office Action Summary Part of Paper No./Mail Date 20040421

Europäisches Patentamt
European Patent Office
Office européen des brevets

European Patent Office
Postbus 5818
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Fax: +31 70 340 3016

Mills, Julia
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Substantive Examiner
Name: Dobbelaere, Dirk
Tel: +31 70 340 - 2019

Application No. 05 2 - 1241	Ref. P023100EP	Date 27.02.2009
Applicant Corporation		

Communication pursuant to Article 94(3) EPC

The examination of the above-identified application has revealed that it does not meet the requirements of the European Patent Convention for the reasons enclosed herewith. If the deficiencies indicated are not rectified the application may be refused pursuant to Article 97(2) EPC.

You are invited to file your observations and insofar as the deficiencies are such as to be rectifiable, to correct the indicated deficiencies within a period

of 4 months

from the notification of this communication, this period being computed in accordance with Rules 126(2) and 131(2) and (4) EPC. One set of amendments to the description, claims and drawings is to be filed within the said period on separate sheets (R. 50(1) EPC).

Failure to comply with this invitation in due time will result in the application being deemed to be withdrawn (Art. 94(4) EPC).

Europäisches Patentamt · European Patent Office · Office européen des brevets

Dobbelaere, Dirk
Primary Examiner
For the Examining Division

Enclosure(s): 4 page/s reasons (Form 2906)
Form 2531A

International Search Report (WIPO)
Notice of Refusal (SIPO)

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/086106

A. CLASSIFICATION OF SUBJECT MATTER
INV. B25J5/00 B62D55/075

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B25J B62D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/179115 A1 (OHM TIMOTHY R [US]; BASSETT MICHAEL [US]) 31 July 2008 (2008-07-31)	1-6,9, 11,13-19
Y	figures 7,8A-8C,21 paragraph [0092] - paragraph [0094] paragraph [0123]	7
Y	US 2008/086241 A1 (PHILLIPS EMILIE [US]; RUDAKEVYCH PAVLO E [US]; TAKA ORJETA [US]; WOLFE) 10 April 2008 (2008-04-10) paragraph [0232]	7
A	WO 2005/105388 A1 (KOREA INST SCIENCE TECHNOLOGY [KR]; KANG SUNG-CHUL [KR]; SHIN GYEONG-C) 10 November 2005 (2005-11-10) the whole document	1-22

-/--

[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

* Special categories of cited documents :
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
5 October 2009	15/10/2009

Name and mailing address of the ISA/
European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31–70) 340–2040,
Fax: (+31–70) 340–3016

Authorized officer
Lumineau, Stéphane

Form PCT/ISA/210 (second sheet) (April 2005)

page 1 of 2

中华人民共和国国家知识产权局

邮政编码：100032
北京市西城区金融街 27 号投资广场 B 座 19 层
中国专利代理(香港)有限公司
庞立志

发文日期
20 年2月24日

申请号：038088088

申请人： 工业株式会社

发明创造名称：薄膜

第一次审查意见通知书

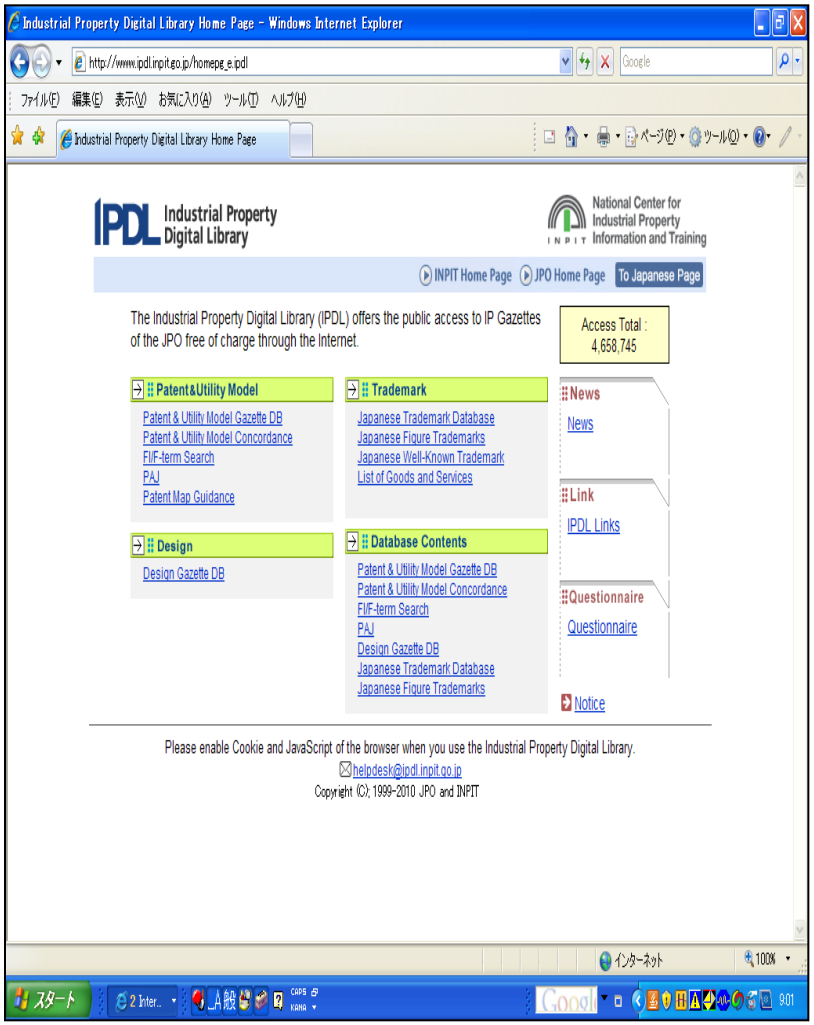
(进入国家阶段的 PCT 申请)

1. ☑应申请人提出的实审请求，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。
☐根据专利法第 35 条第 2 款的规定，国家知识产权局专利局决定自行对上述发明专利申请进行审查。
2. ☑申请人要求以其在：
JP 专利局的申请日 年 04 月 23 日为优先权日，
专利局的申请日 年 月 日为优先权日，
专利局的申请日 年 月 日为优先权日。
3. ☐申请人于 年 月 日提交的修改文件，不符合专利法实施细则第 51 条的规定。
☑申请人提交的下列修改文件不符合专利法第 33 条的规定。
☐国际初步审查报告附件的中文译文。
☐依据专利合作条约第 19 条规定所提交的修改文件的中文译文。
☑依据专利合作条约第 28 条或 41 条规定所提交的修改文件。
☐
4. ☐审查是针对原始提交的国际申请的中文译文进行的。
☑审查是针对下述申请文件进行的：
☑说明书 第1-7, 10-35, 37-48, 50-63, 65-76页，按照原始提交的国际申请文件的中文译文；
第 页，按照国际初步审查报告附件的中文译文；
第8, 9, 36, 49, 64页，按照依据专利合作条约第 28 条或 41 条规定所提交的修改文件；
第 页，按照依据专利法实施细则第 51 条规定所提交的修改文件。
☐
☑权利要求 第 项，按照原始提交的国际申请文件的中文译文；
第 项，按照依据专利合作条约第 19 条规定所提交的修改文件的中文译文。
第 项，按照国际初步审查报告附件的中文译文；
第 项，按照依据专利合作条约第 28 条或 41 条所提交的修改文件；
第 1-53 项，按照依据专利法实施细则第 51 条规定所提交的修改文件。
☐
☐附图 第 页，按照原始提交的国际申请文件的中文译文；
第 页，按照国际初步审查报告附件的中文译文；
第 页，按照依据专利合作条约第 28 条或 41 条所提交的修改件；
第 页，按照依据专利法实施细则第 51 条规定所提交的修改文件。

21302
2002 8

回函请寄：100088 北京市海淀区蓟门桥西土城路 6 号 国家知识产权局专利局受理处收
(注：凡寄给审查员个人的信函不具有法律效力)

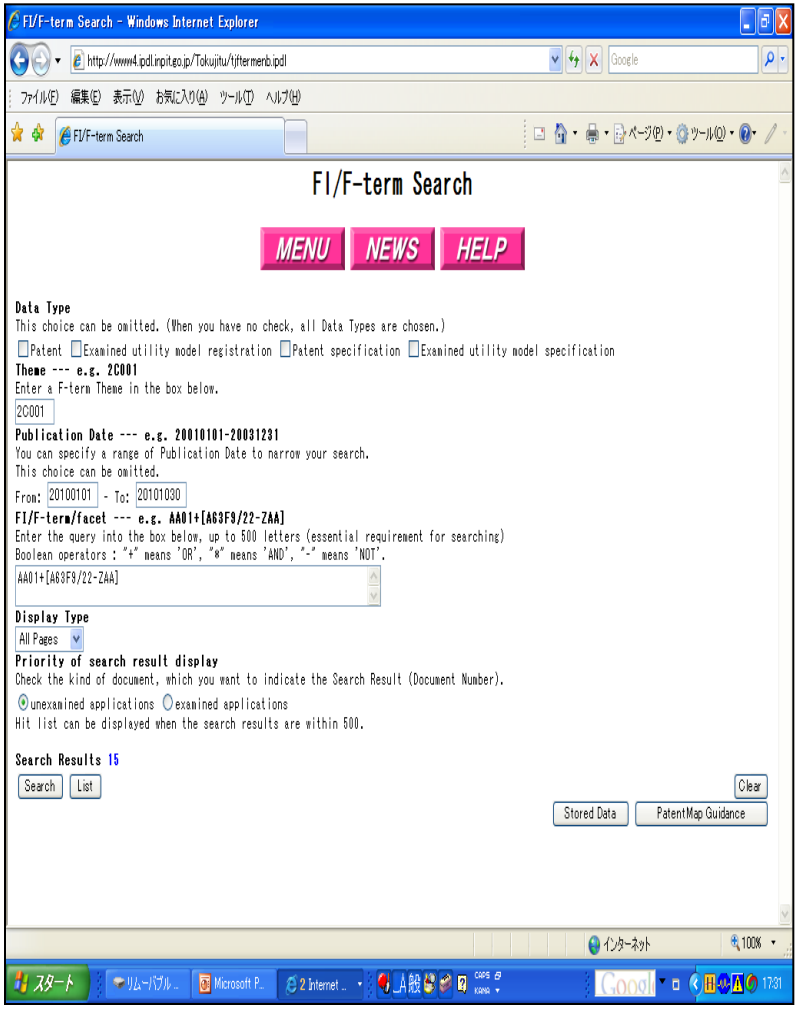
Industrial Property Digital Library(IPDL/JPO)
http://www.ipdl.inpit.go.jp/homepg_e.ipdl

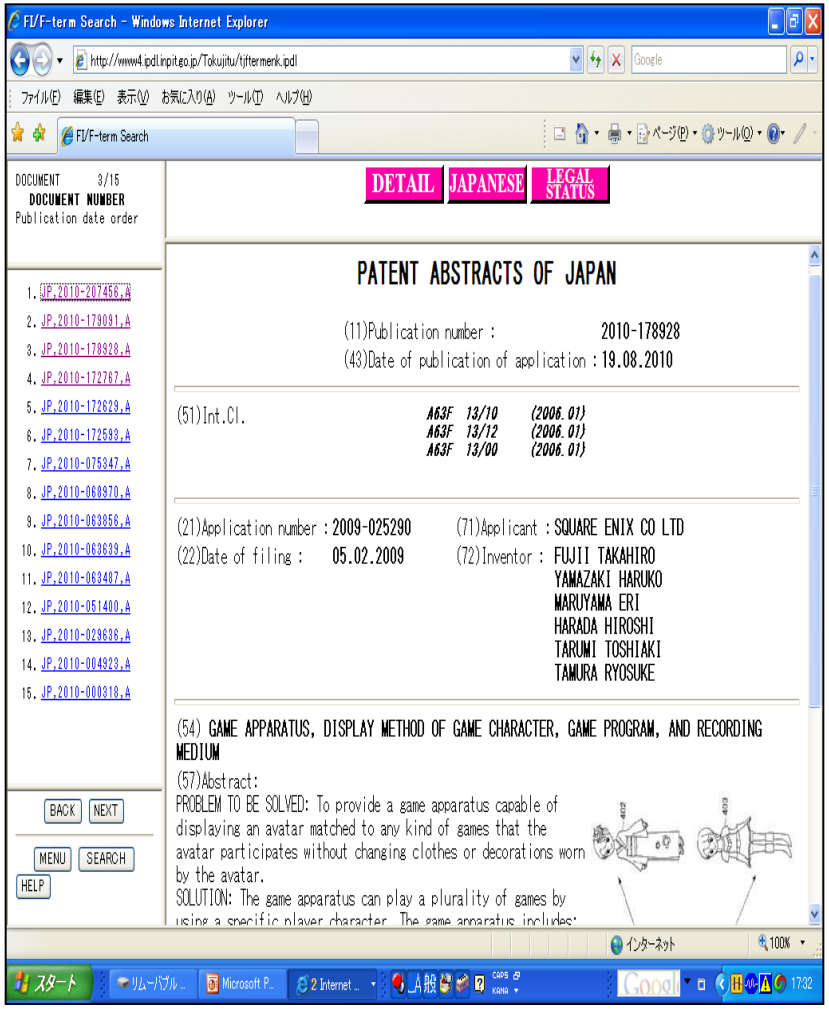


* ***Patent & Utility Model***
  1) ***Patent & Utility Model DB/***
     Patent & Utility Model Concordance
     English abstracts/full text available by Application No., Unexamined Pub. No., Registration No., etc.
  2) ***FI/F-term Search***
     English abstracts/full text available by File Index and F-term (internal classification used by JPO)
  4) ***Patent Map Guidance***
     Descriptions about FI and F-term

FI/F-Term Search

http://www4.ipdl.inpit.go.jp/Tokujitu/tjftermena.ipdl?N0000=114





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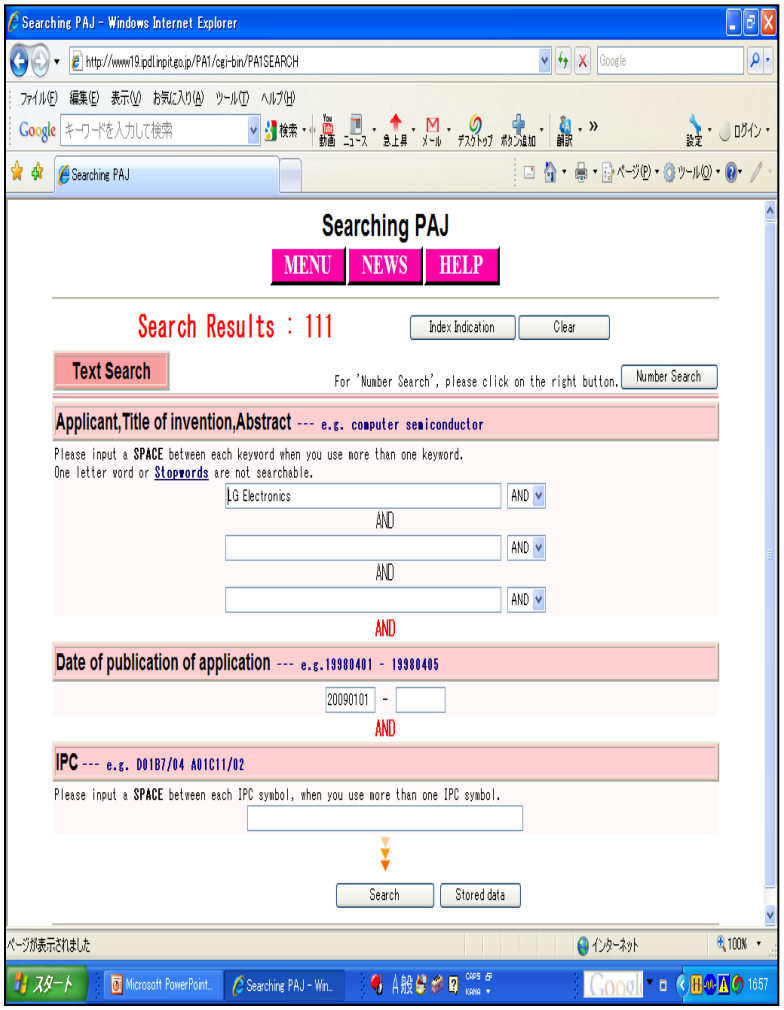

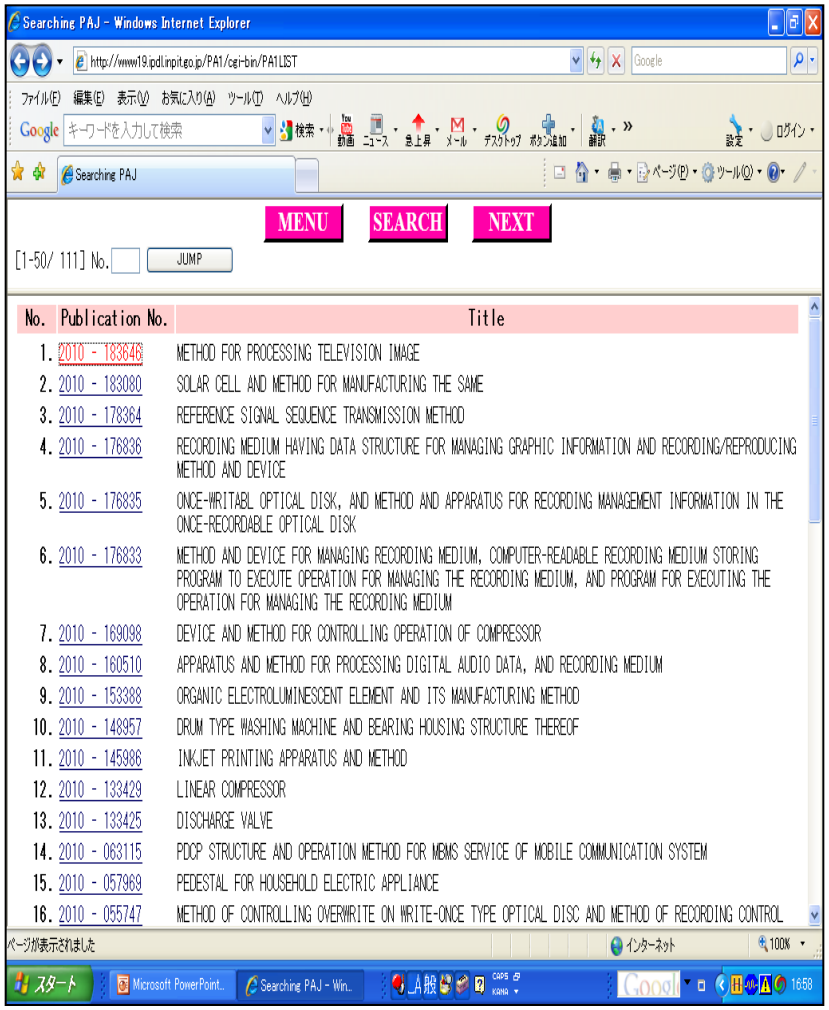

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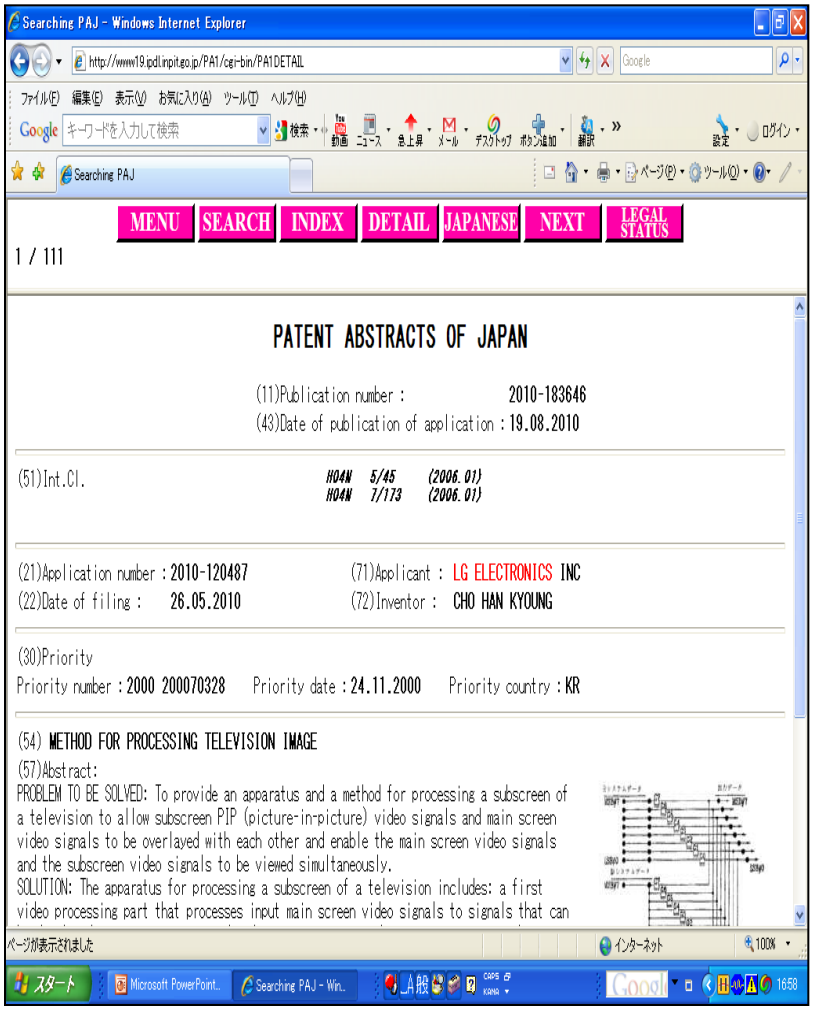
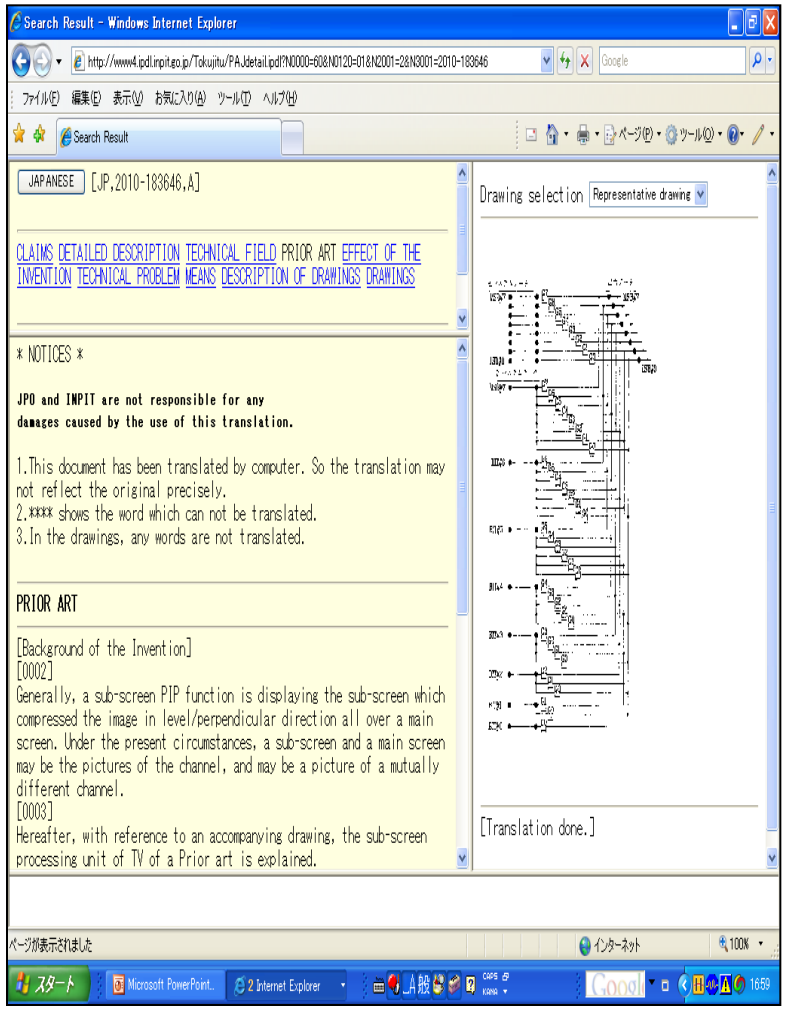
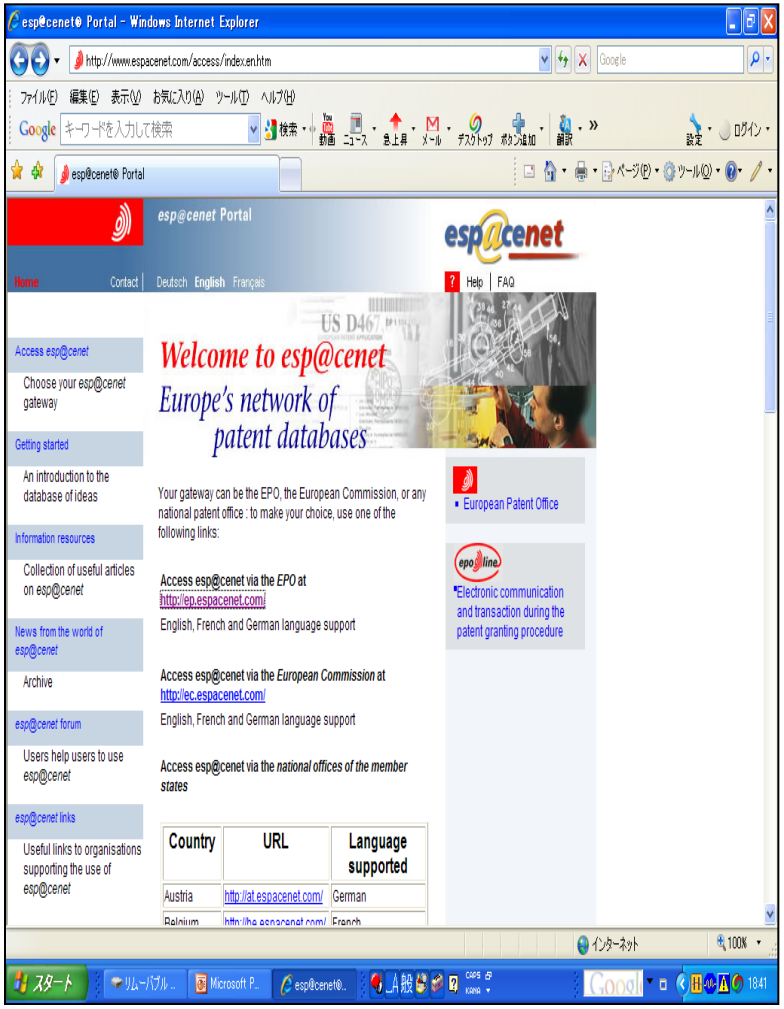
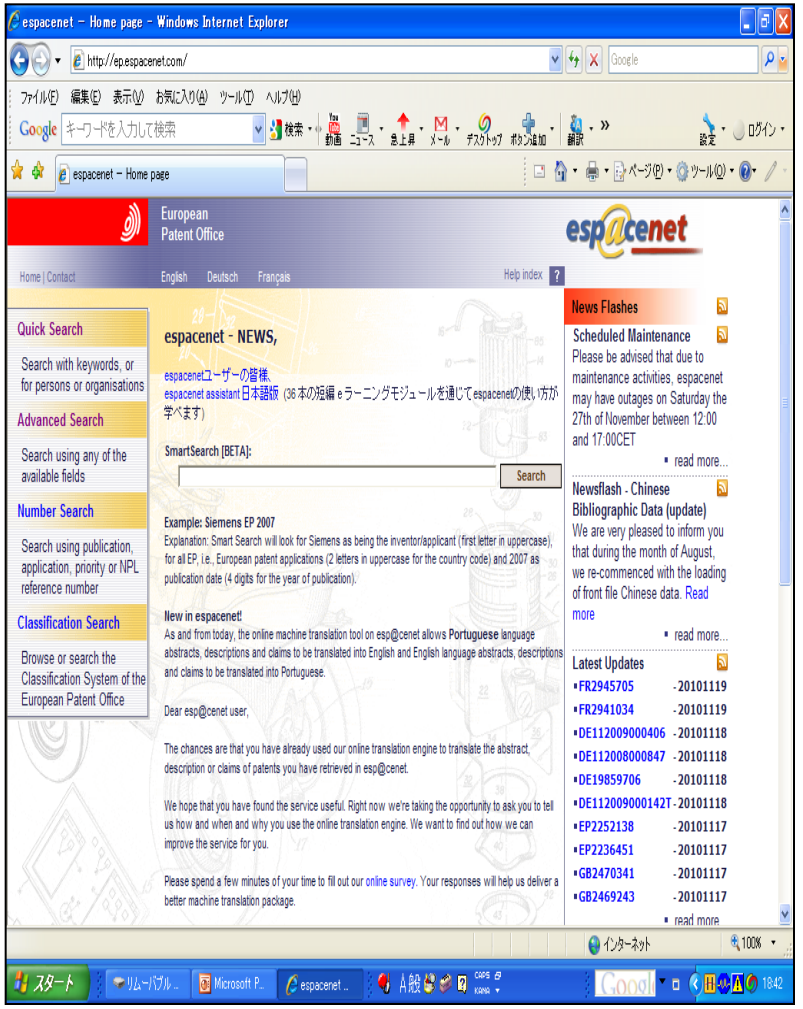




esp@cenet (EPO)

http://www.espacenet.com/access/index.en.htm

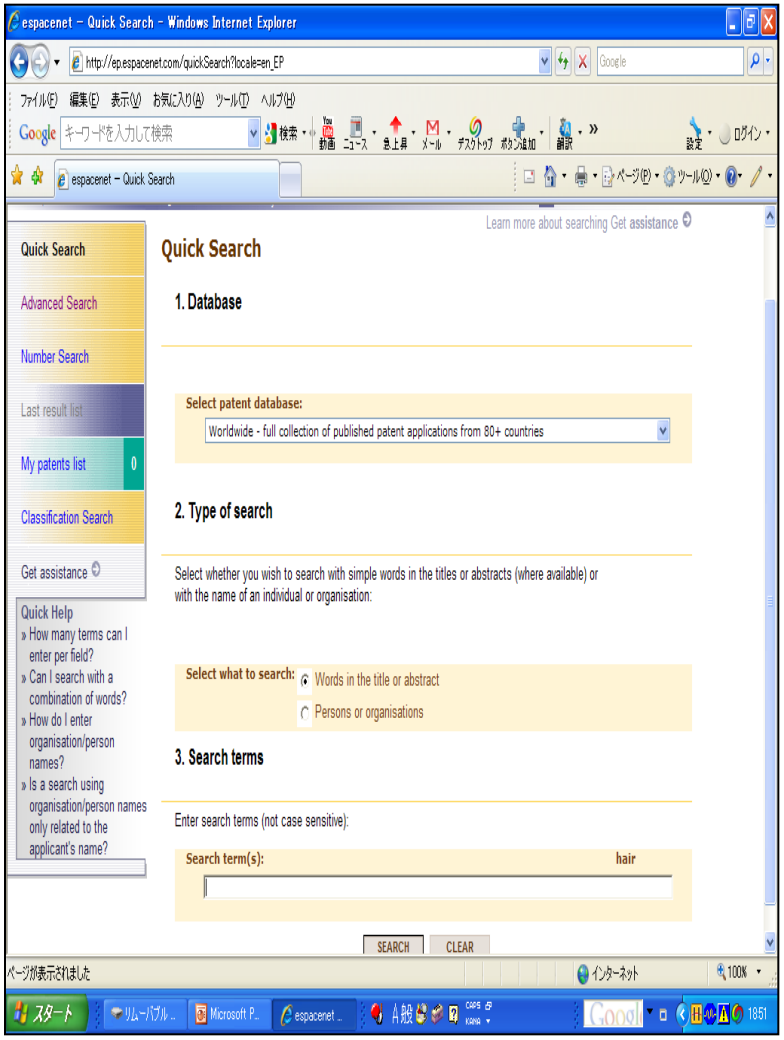


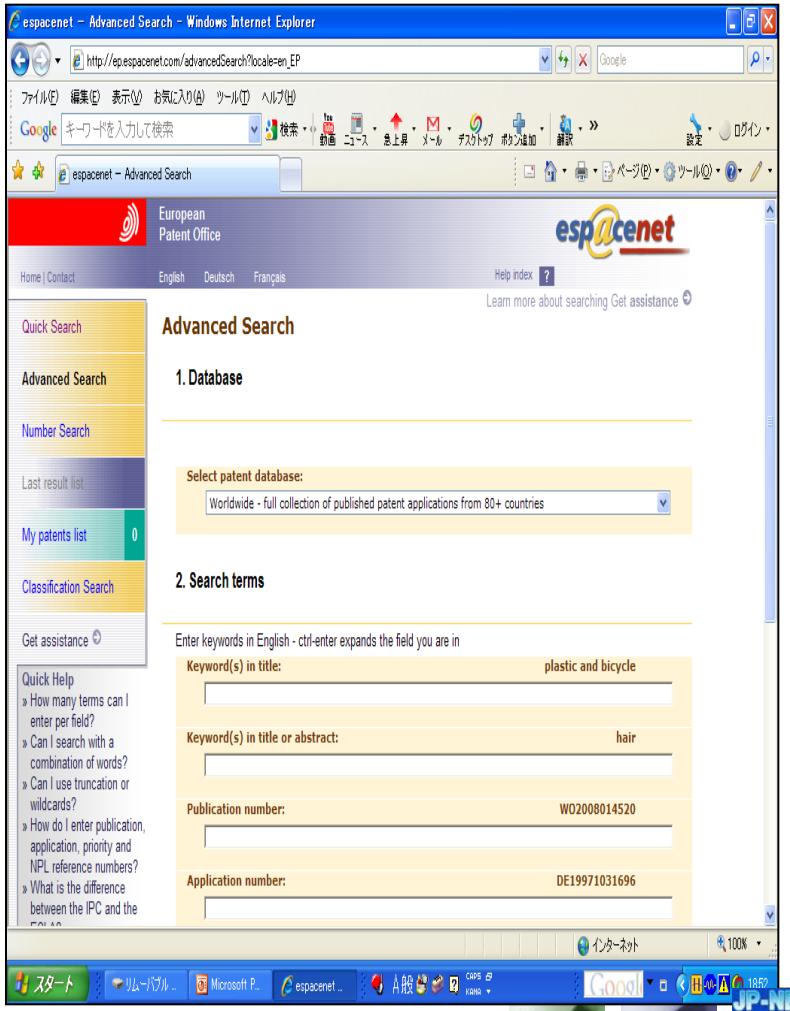


Quick Search / Advanced Search / Number Search

http://ep.espacenet.com/quickSearch?locale=en_EP

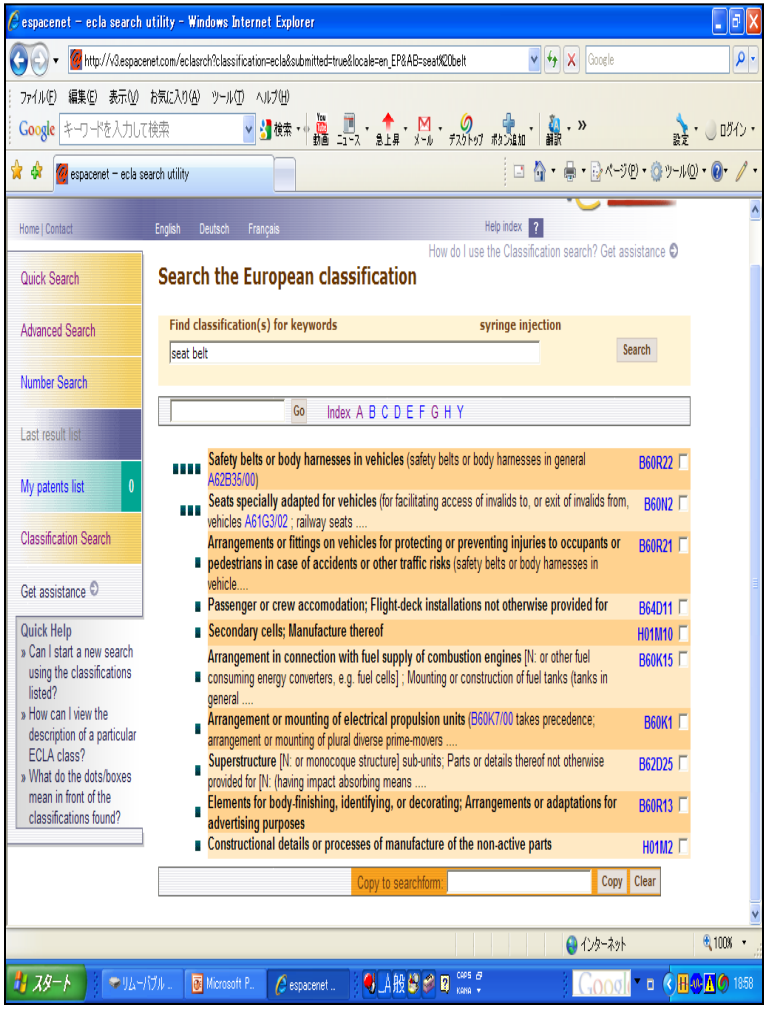
http://ep.espacenet.com/advancedSearch?locale=en_EP

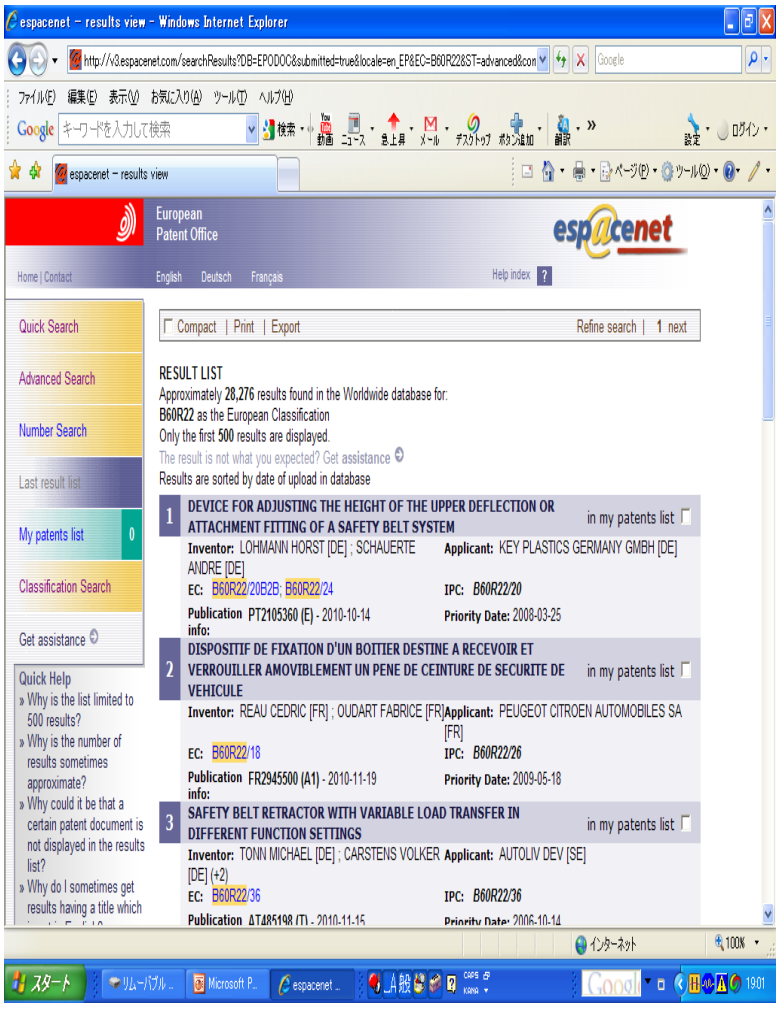




Classification Search (ECLA)

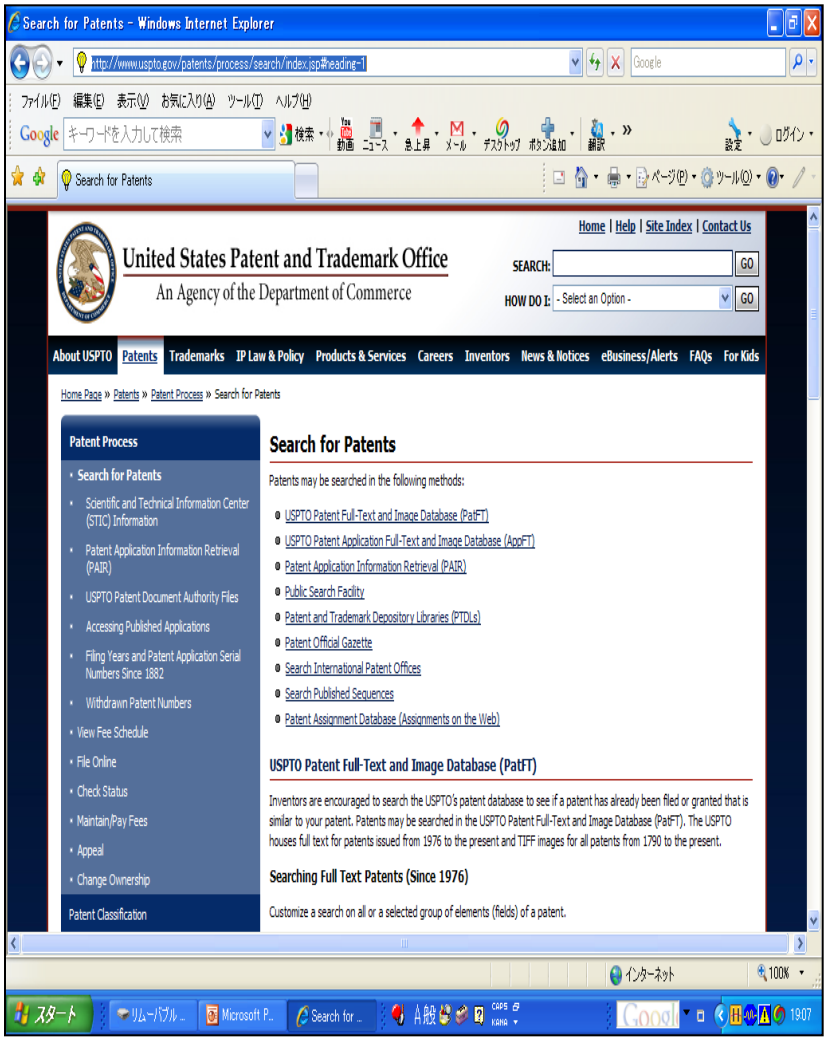
http://v3.espacenet.com/eclasrch?classification=ecla&locale=en_EP





PatFT, AppFT, PAIR (USPTO)

http://www.uspto.gov/patents/process/search/index.jsp#heading-1



*PatFT (Patent Full-Text and Image DB)

Full text for patents from 1976 to now and TIFF images for all patents from1790 to now.

*AppFT (Patent Application Full-Text and Image DB)

Full-Text and Image versions of patent applications from 2001 to now.

*Public/Private PAIR (Patent Application Information Retrieval)

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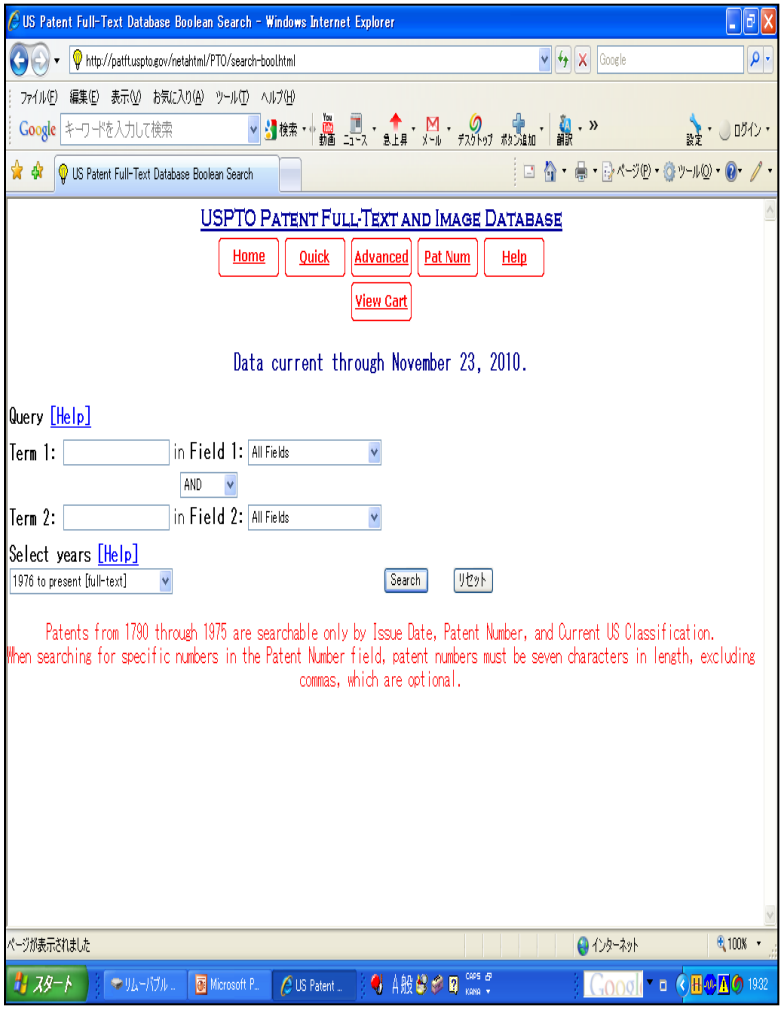
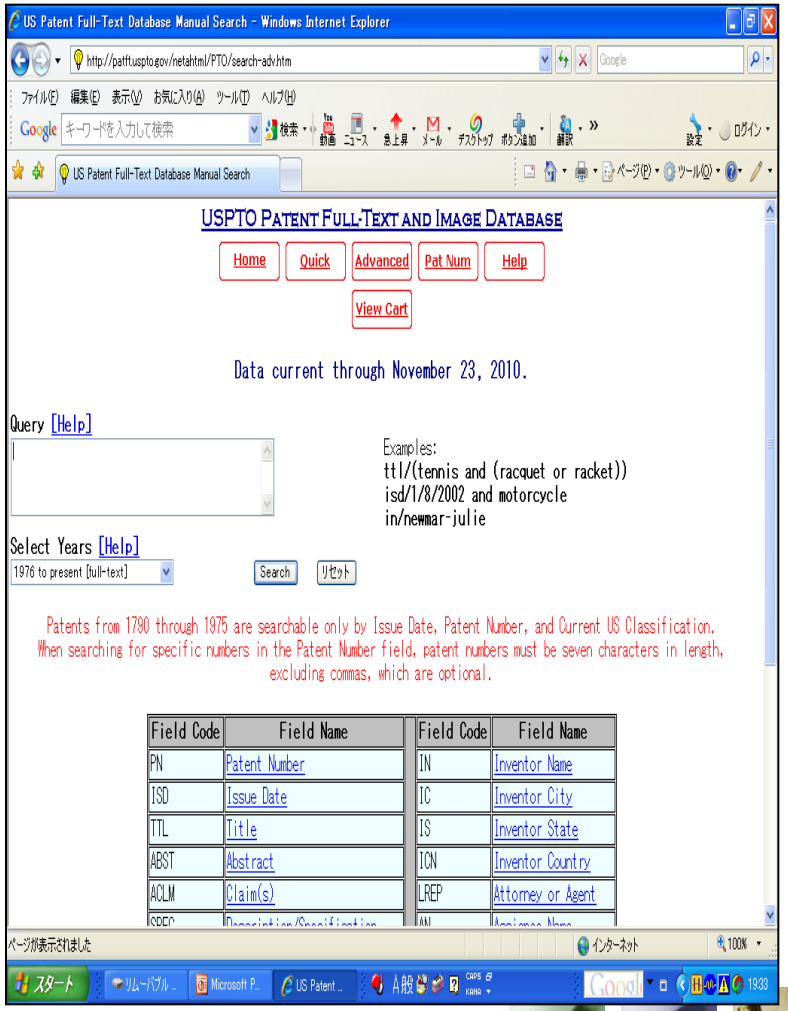
Quick Search/Advanced Search/Patent Number Search

http://patft.uspto.gov/netahtml/PTO/search-bool.html

http://patft.uspto.gov/netahtml/PTO/search-adv.htm





Patent Search at SIPO

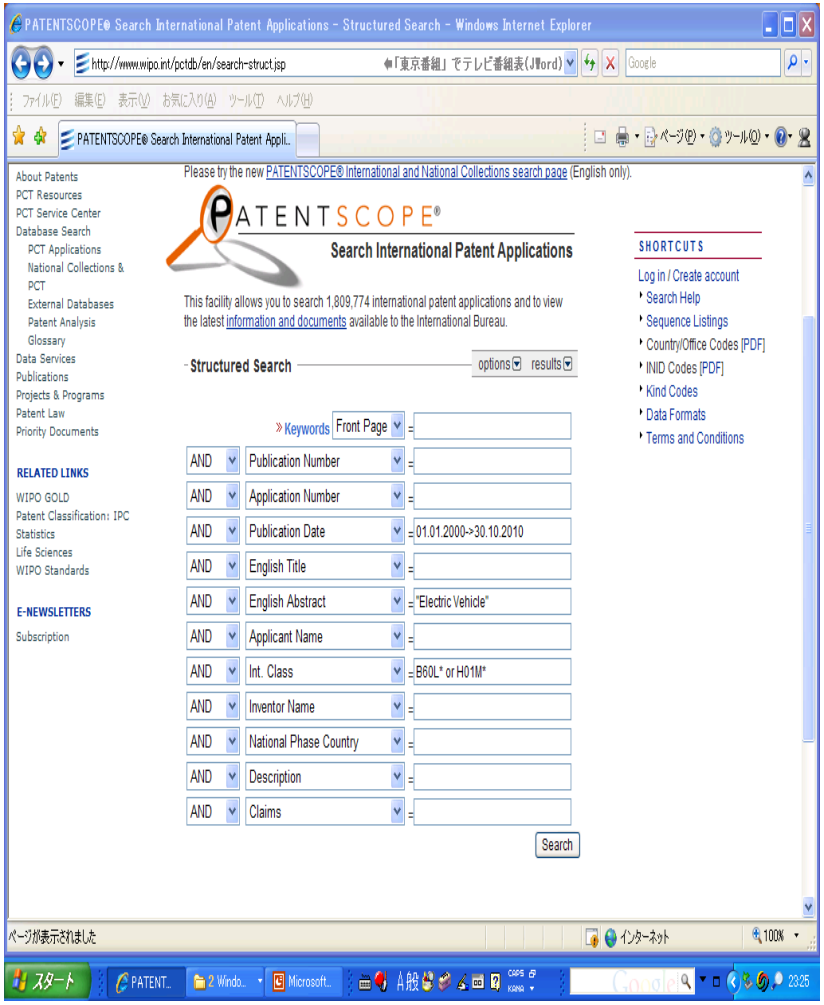
http://59.151.99.140/sipo_EN/search/tabSearch.do?method=init

C-Pat Search (CNIPR)

http://english.cnipr.com/enpatv/search/tableSearch.do?method=showTable

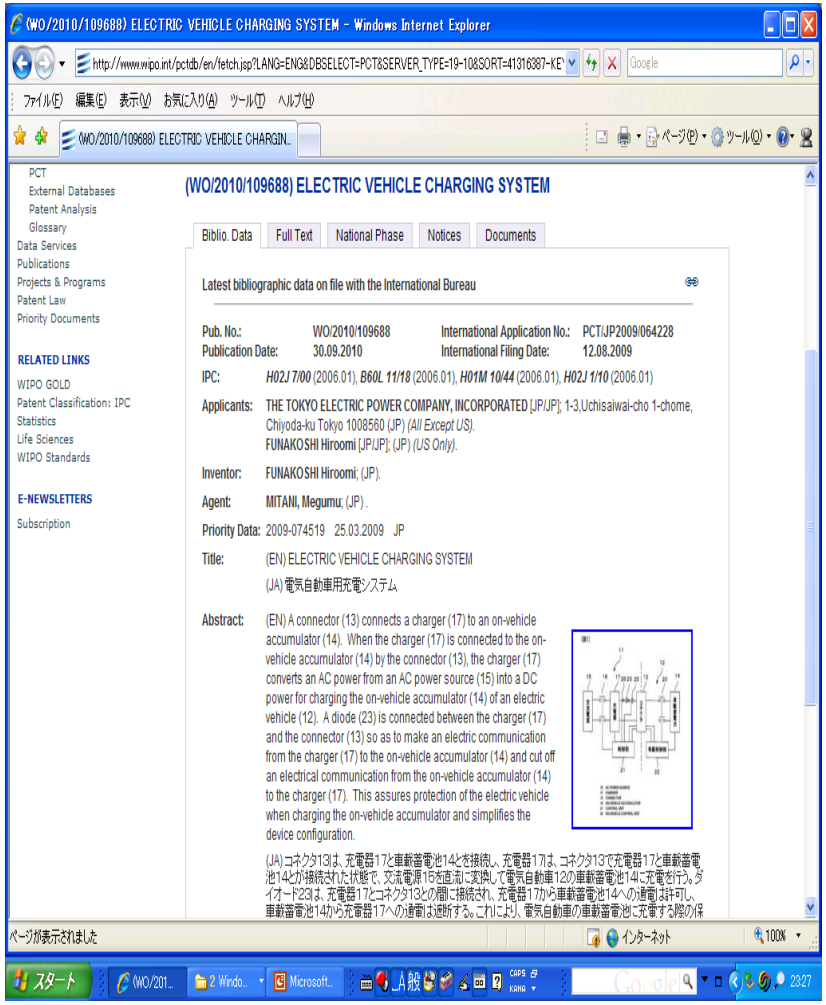
PATENTSCOPE (WIPO)

http://www.wipo.int/pctdb/en/search-struct.jsp



- ***National and PCT(1.8 M) Collection more than 5.3 M patent documents issued in ARIPO, CU, AR, KR, MX, SG, VN, IL, MA, ES, BR, PCT searchable***
- ***Search and Results page available in French, English, Spanish, and Japanese interface***
- ***Kinds of Search Structured Search, Simple Search, Advanced Search, Brows by Week***

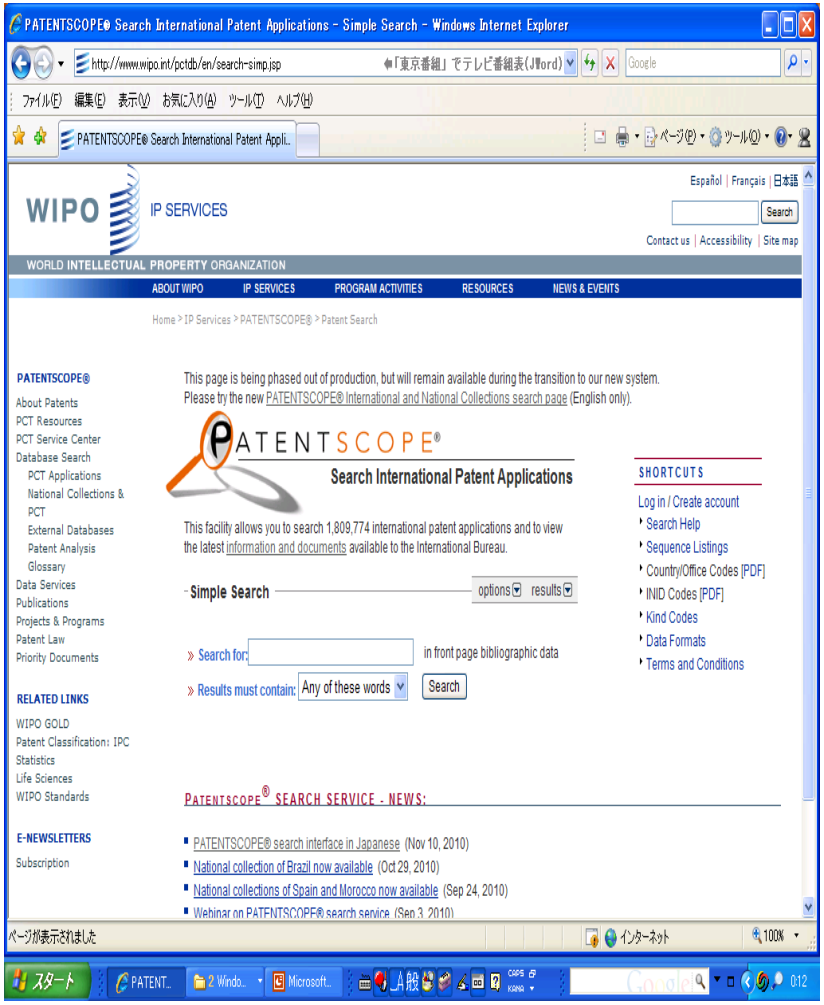
Search Results and its Documents

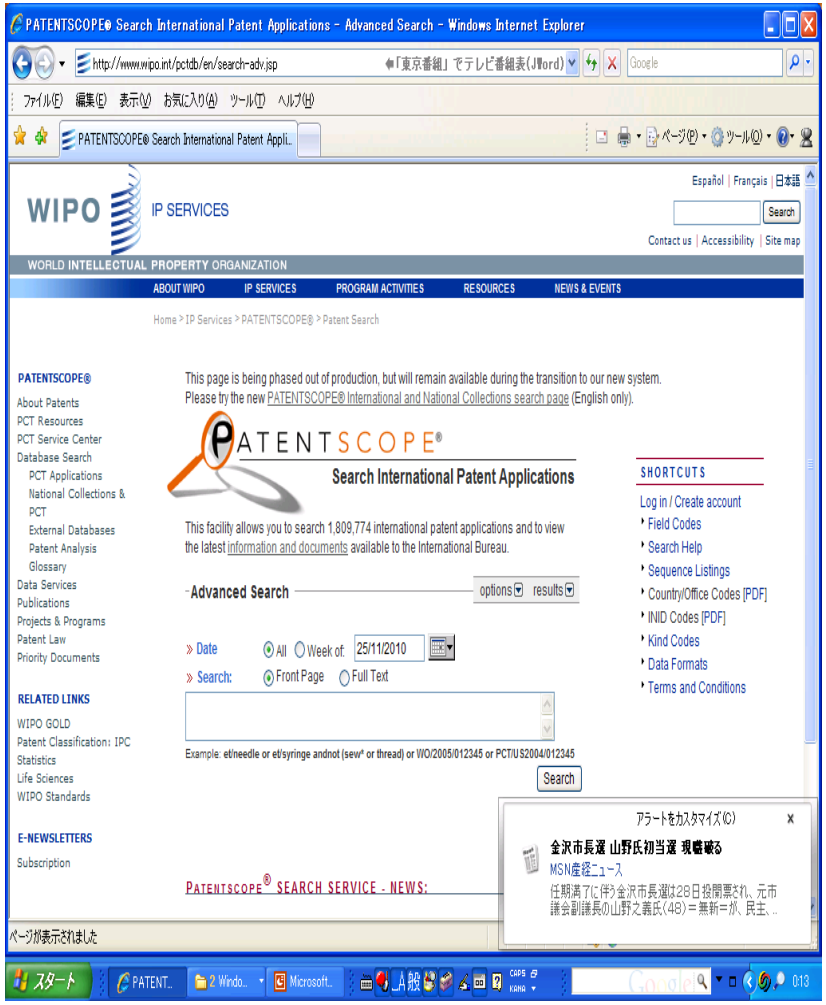


Simple/Advance Search

http://www.wipo.int/pctdb/en/search-simp.jsp

http://www.wipo.int/pctdb/en/search-adv.jsp

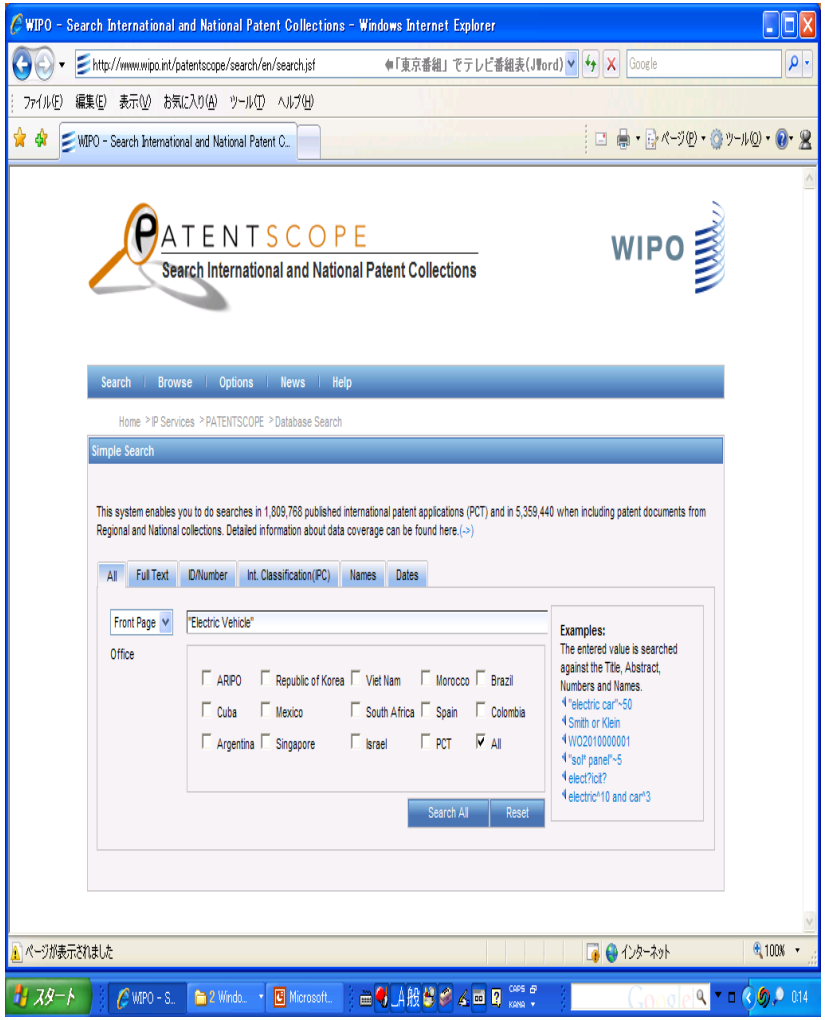


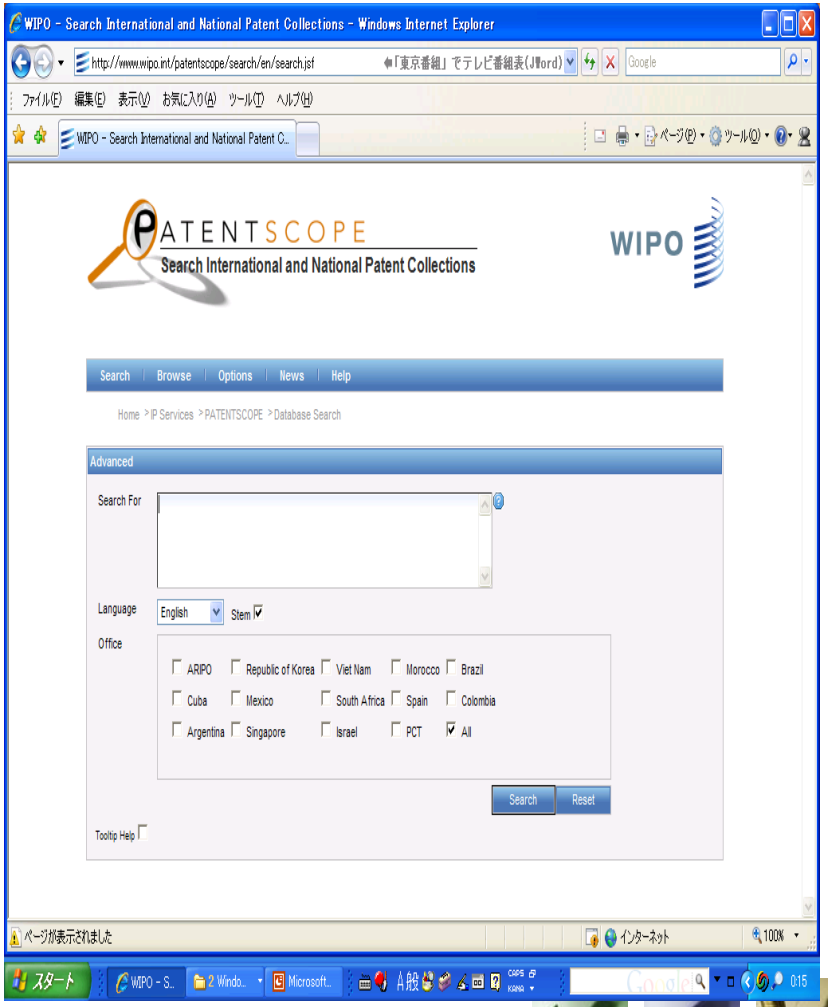


PATENTSCOPE CLIR

http://www.wipo.int/patentscope/search/en/search.jsf

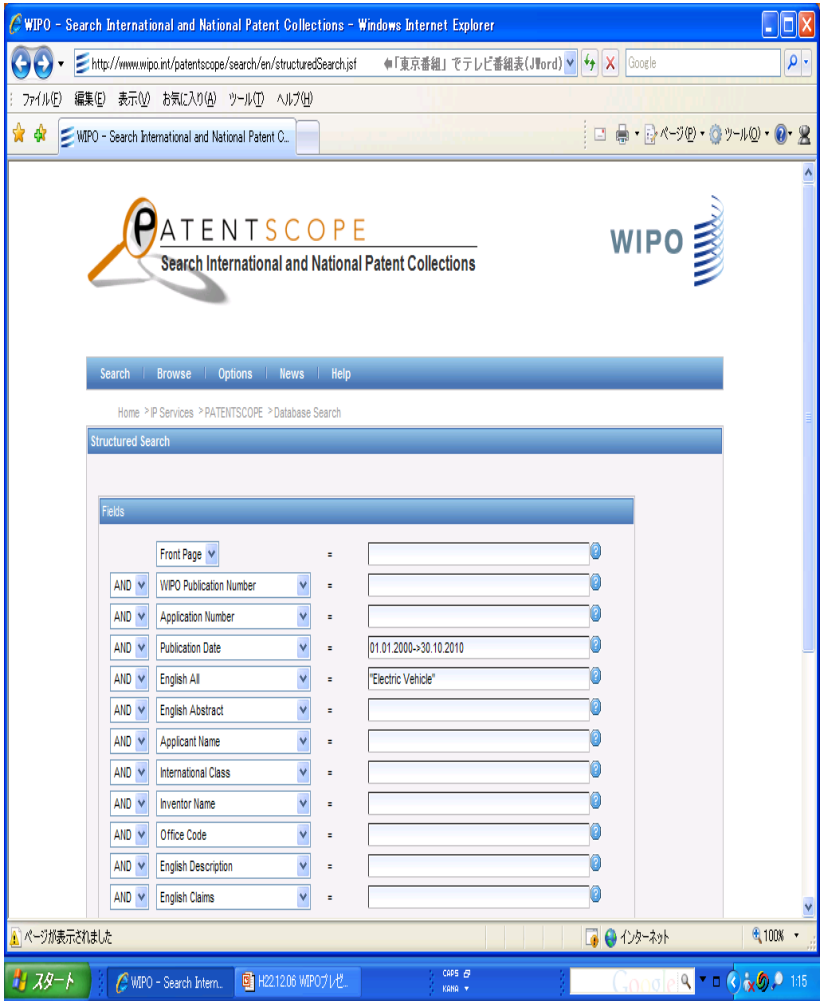
http://www.wipo.int/patentscope/search/en/search.jsf



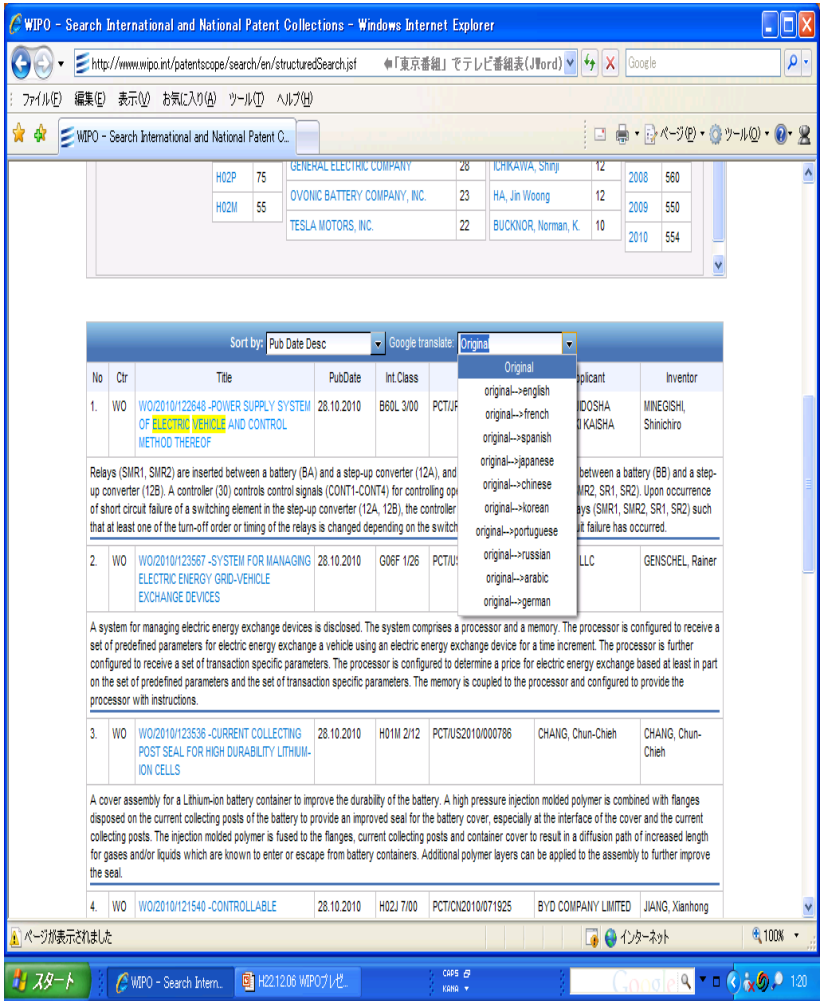


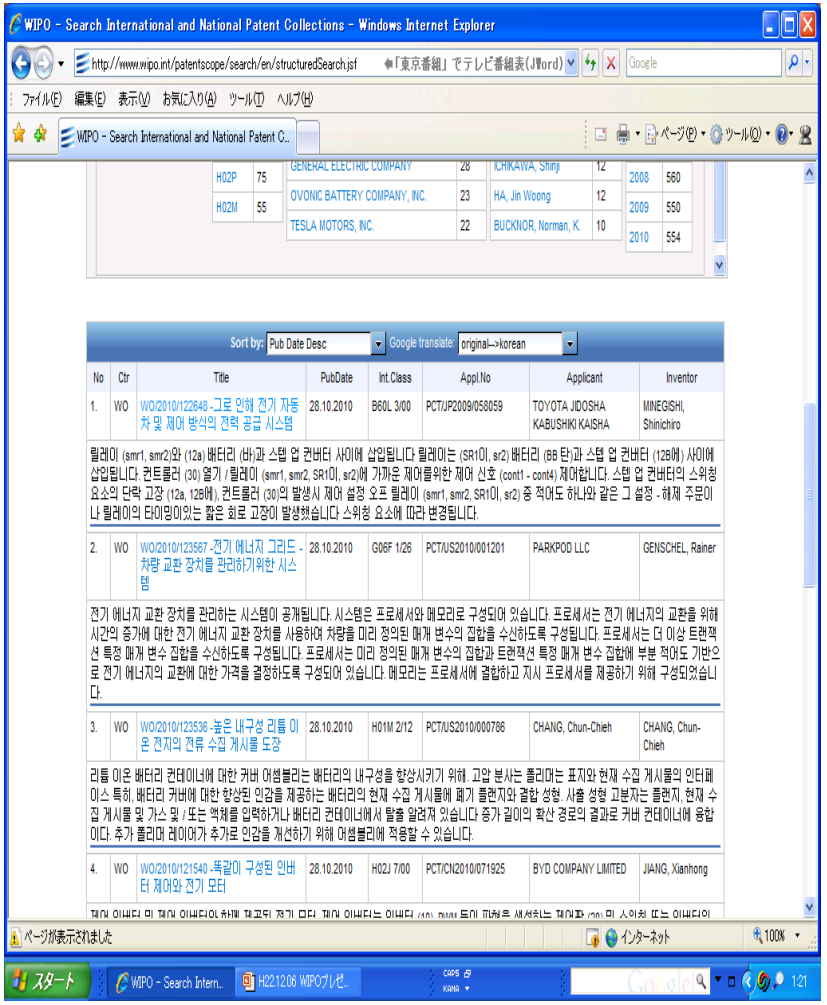
Structured Search (field Combination)

(http://www.wipo.int/patentscope/search/en/advancedSearch.jsf



Multi-Lingual Translation (Google)





Cross Lingual Expansion

http://www.wipo.int/patentscope/search/en/clir/clir.jsp

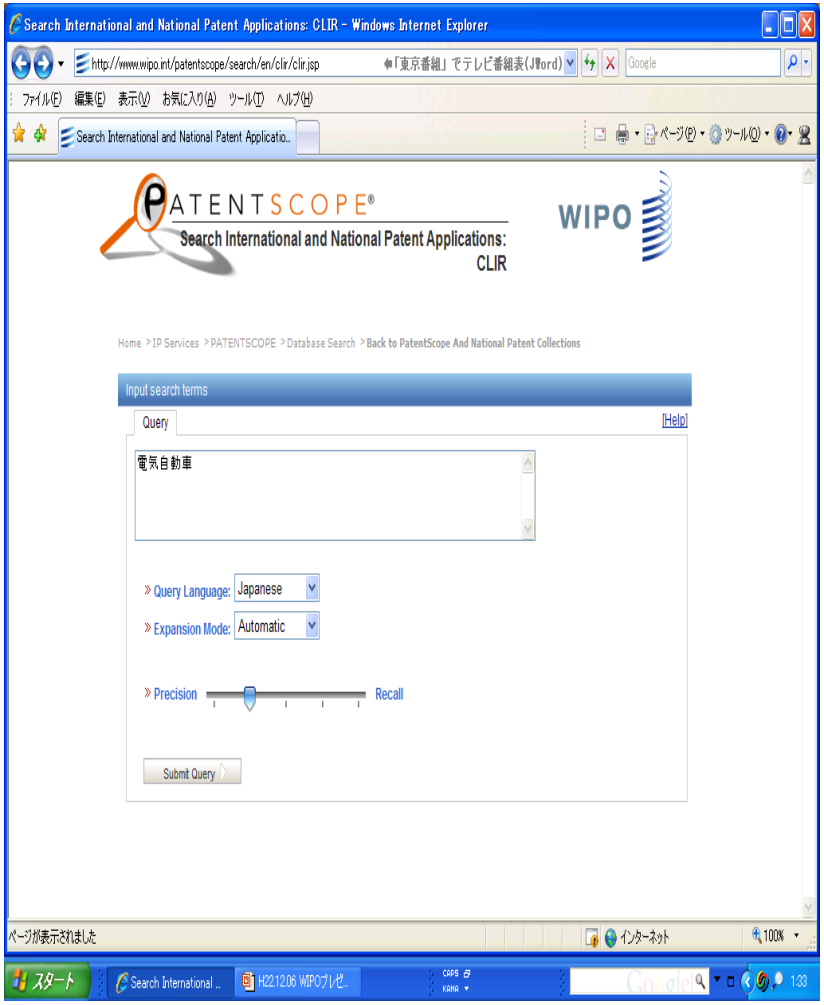
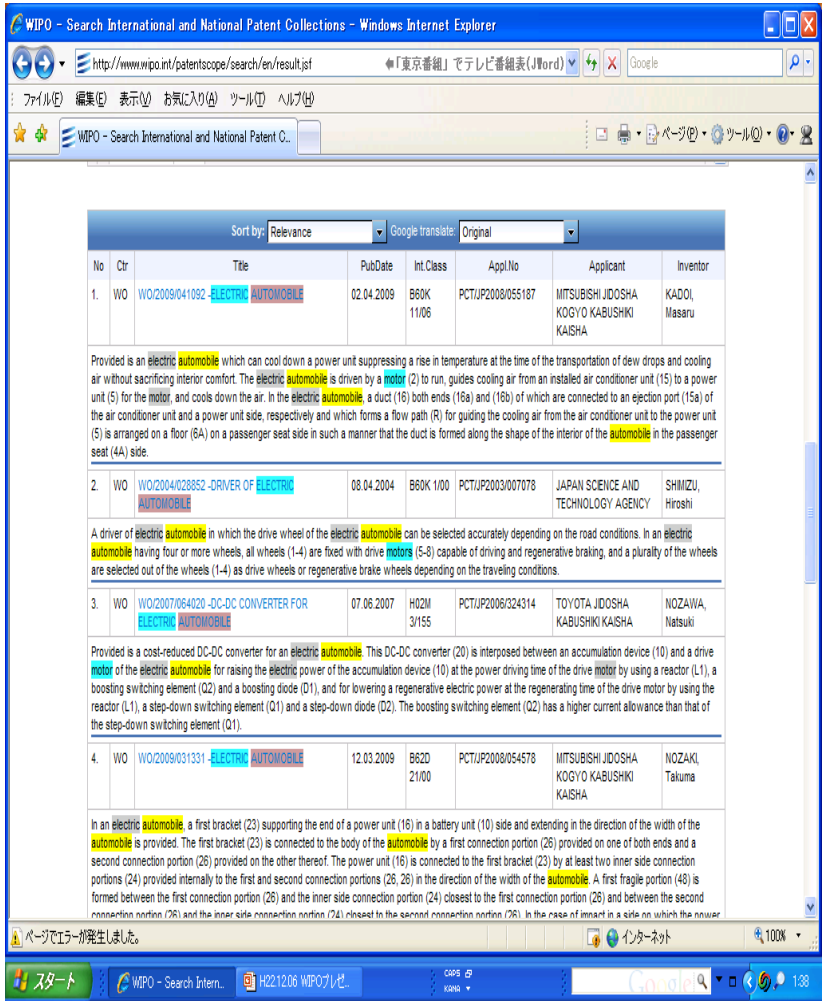
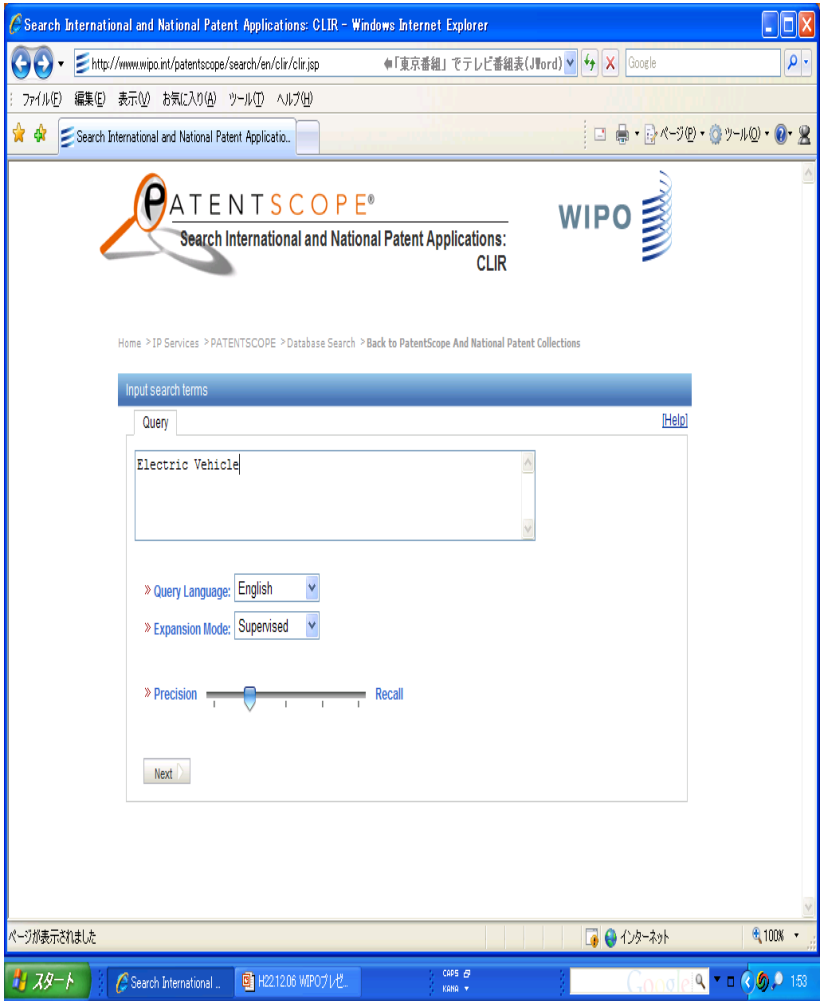
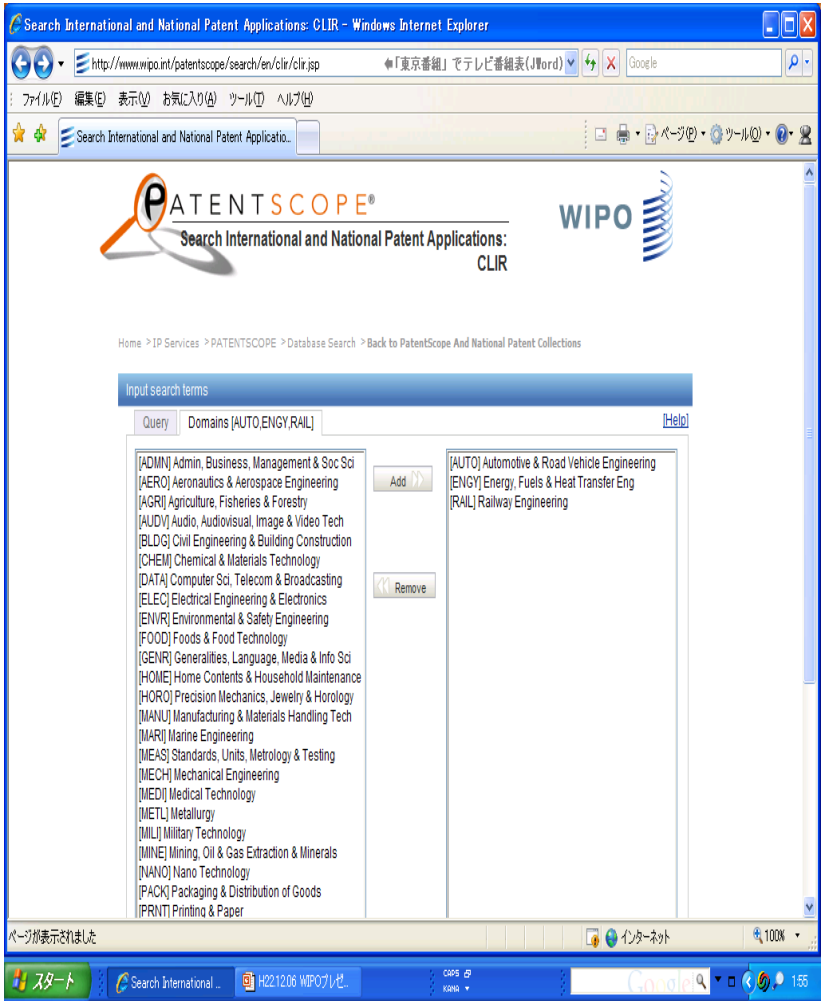


Table in countries, Main IPC, Main Applicant, Main Inventor, Bar and Pie Chart, and Search Results

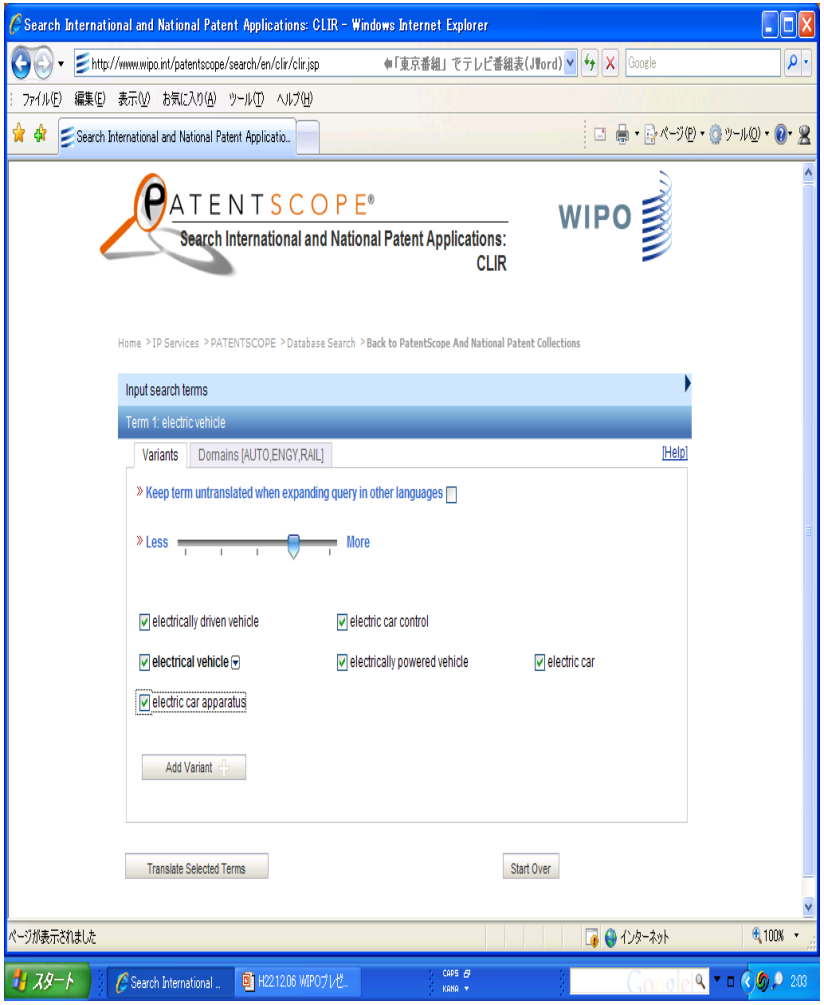


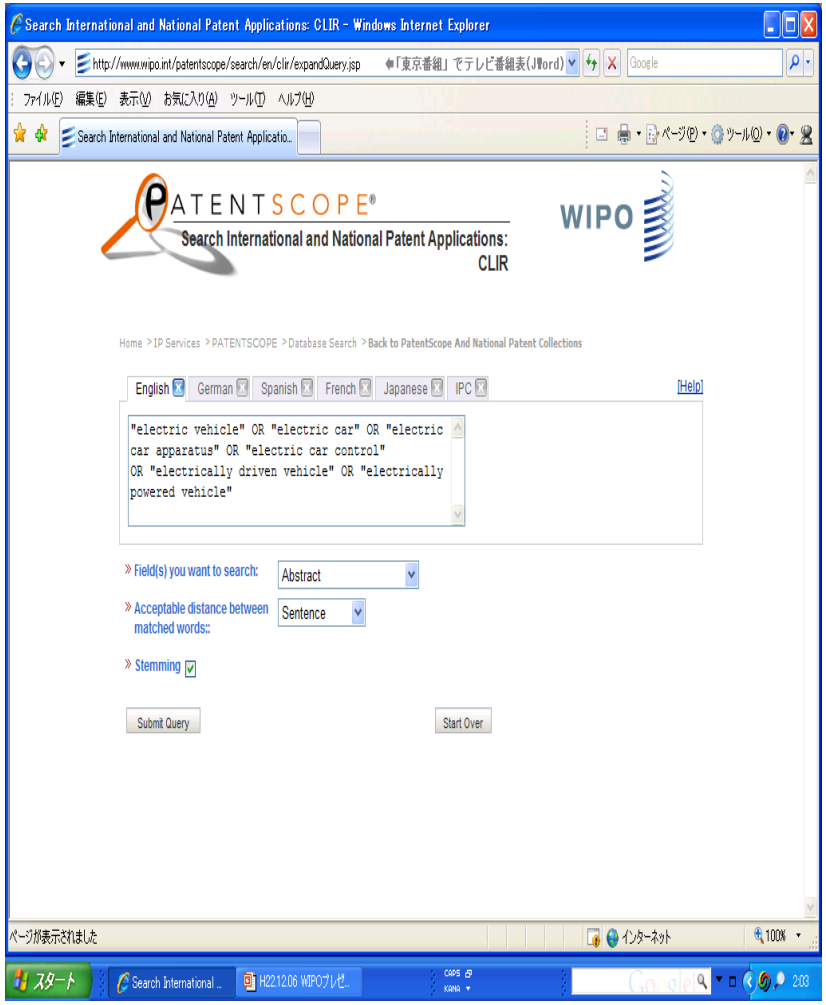
Technical Term Search and its relevant Technical Domains





Expand Synonyms and translate selected Terms





The Scientific and Technical Information Network

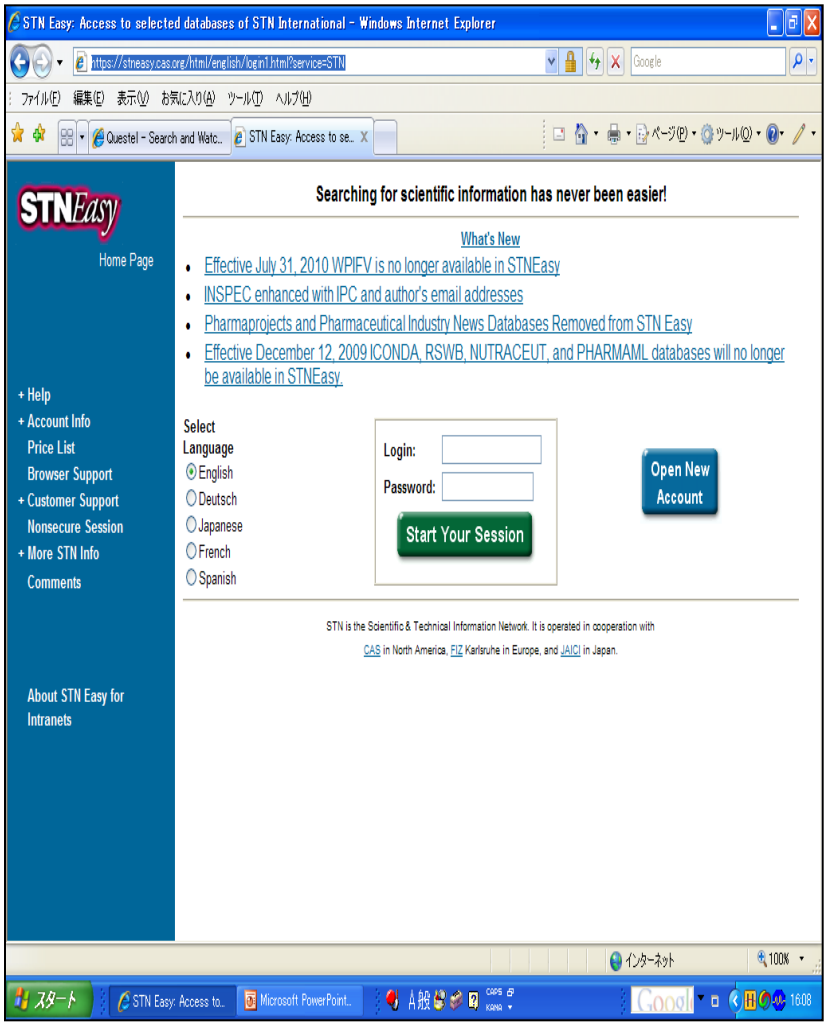
http://www.cas.org/support/stngen/index.html
https://stneasy.cas.org/html/english/login1.html?service=STN

*STN International

Online Information Search System for world scientific information (structure, substances, reagency, etc. for more than 10,000 major scientific journals, worldwide patent and patent family

Non-profit Organization, CAS (ACS), FIZ, and JAICI in Japan are supporting this activities.

Scientific and Patent Database

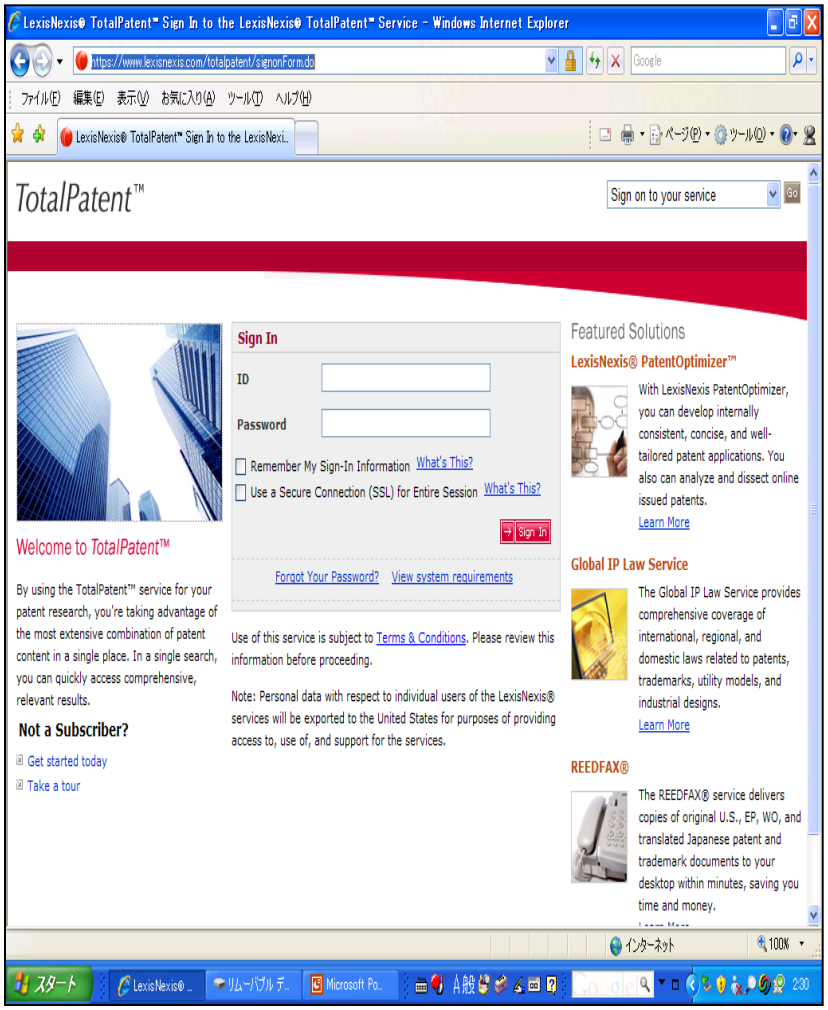


*REGISTRY File (1907-)
CAS REGISTRY Number updated daily for all types of organic and inorganic substances, alloys, coordination compounds, minerals, mixtures, polymers, salts, nucleic acid, protein sequences from patents, journals, chemical catalogs

*BEILSTEIN File(1771-)
*CA file(1808-)
*CAplus File (1808-)
*WPI File (1963-)
and others

TotalPatent (LexisNexis)

https://www.lexisnexis.com/totalpatent/signonForm.do



Largest Patent Collection

Patent data of 100 countries with full text data of 30countries

Stored full text in English

Patents issued in non-English speaking countries, such as DE, FR, RU, PT, CN, BR, EP, WO, etc. available in English

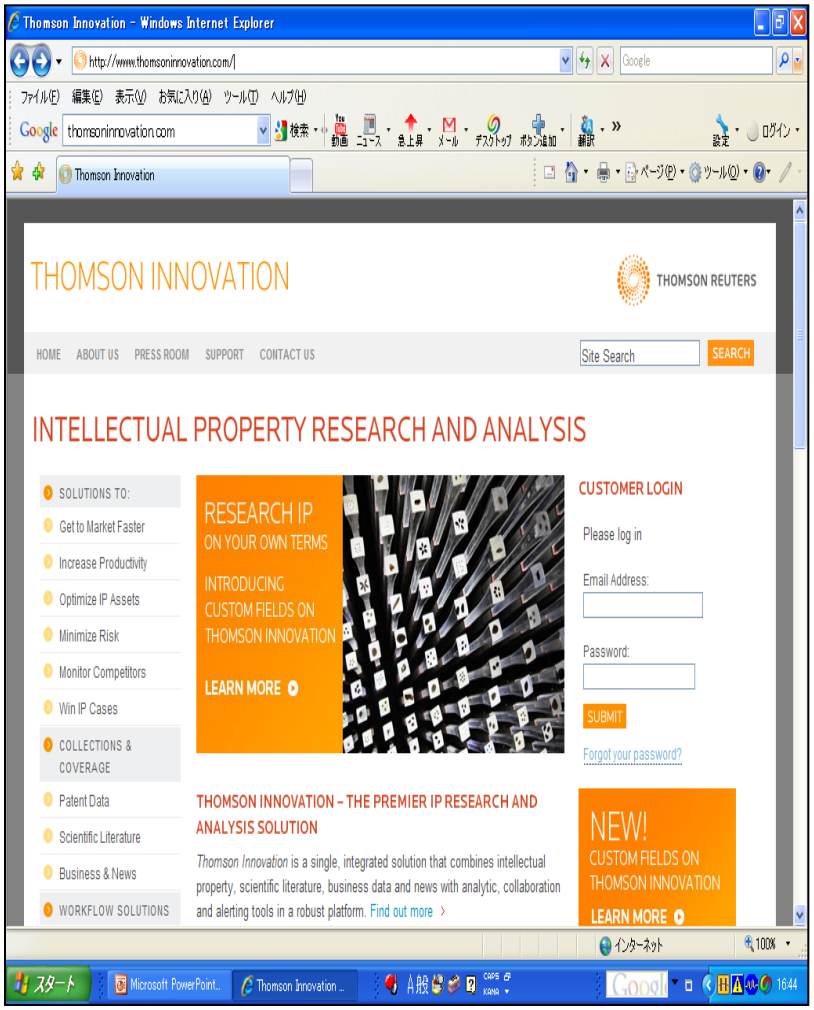
Scopus DB (Non-patent)

English abstracts of Scopus available through citations of TotalPatent

Note: Scopus is the largest academic documents DB over 18,000 magazines of Elsevier.

Thomson Innovation (THOMSON REUTERS)

http://www.thomsoninnovation.com/



Platform for searching Patent

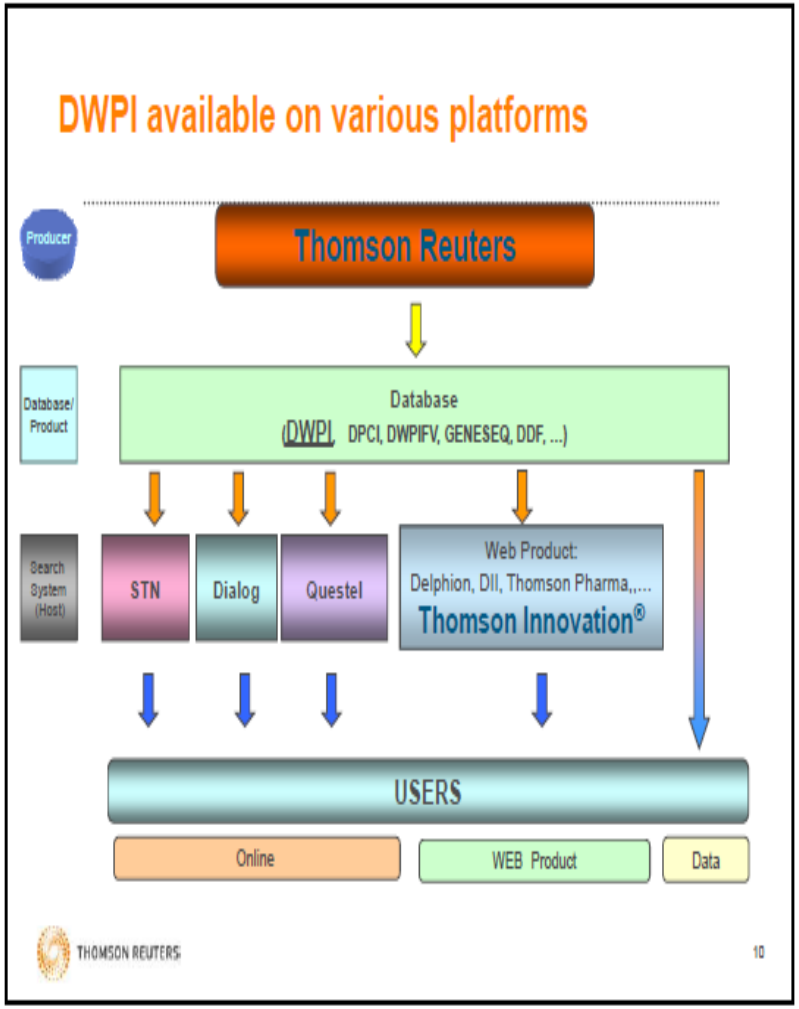
1. ***DWPI (Derwent World Patents Index) 1963-present (English)***
2. ***WIPO 1978-present (English, German, French, Spanish)***
3. ***US Granted 1836-present***

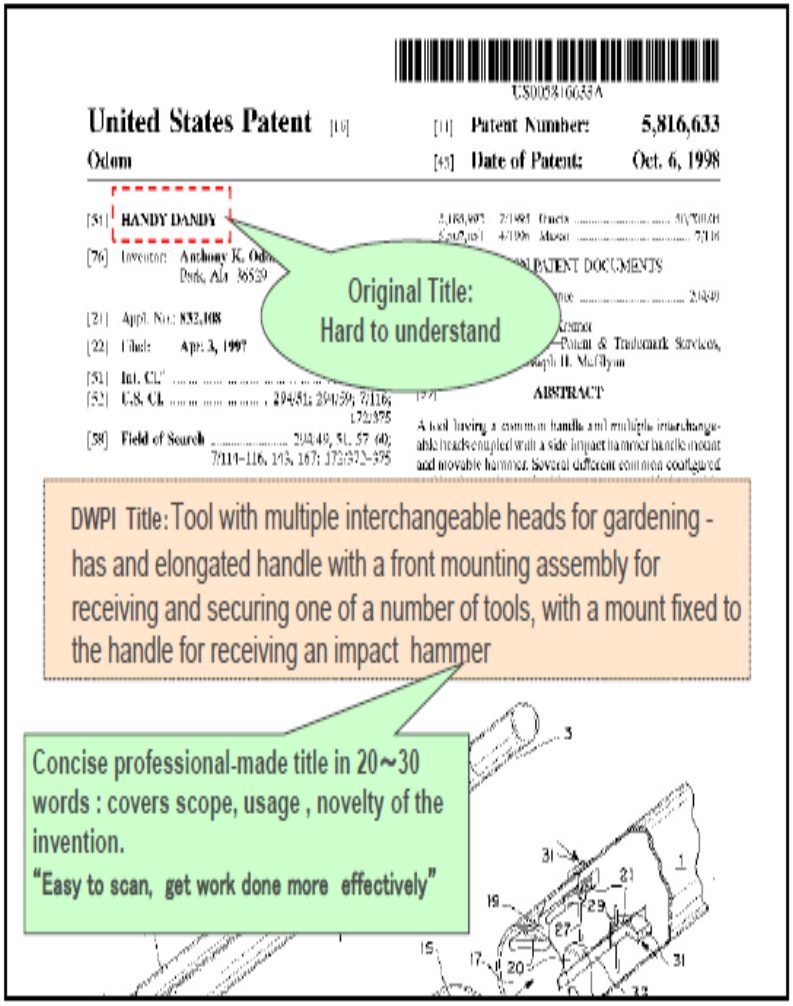
   US Applications 2001-present
4. ***EPO Granted1980-present (English, German, French)***

   EPO Applications 1978-present (English, German, French)
5. ***PCT(WO) 1978-present***
6. ***Other Nations***

   GB, FR. DE.,CN, JP, KR,
7. ***DOCDB (EPO) covering 60+ countries***

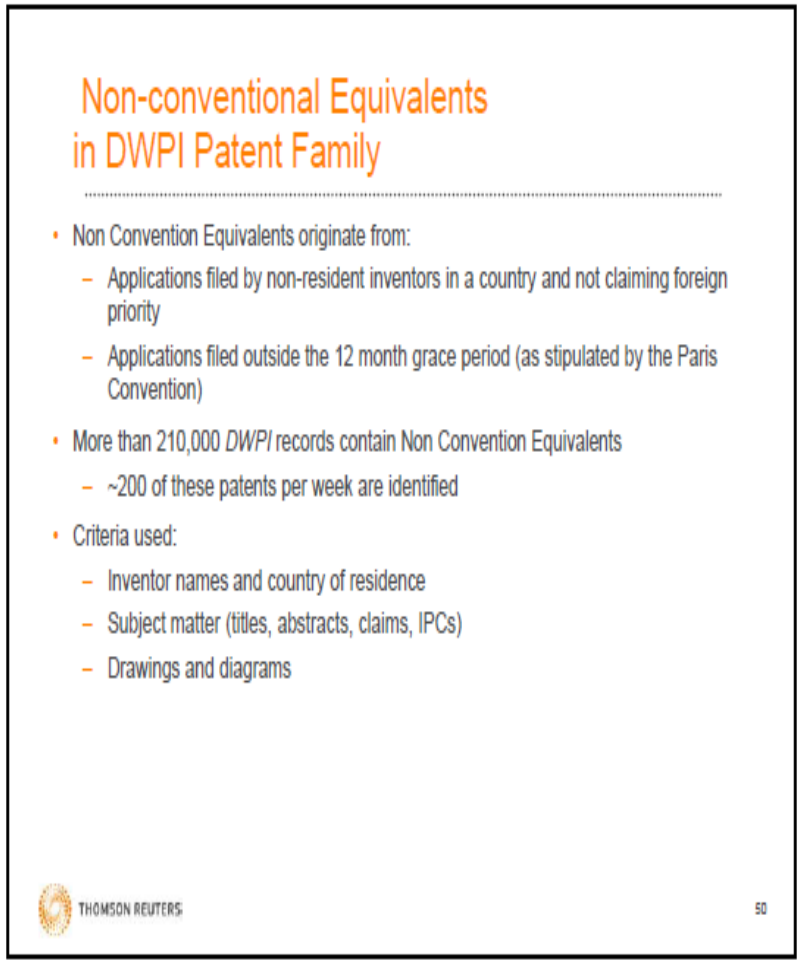
Derwent World Patent Index (DWPI)



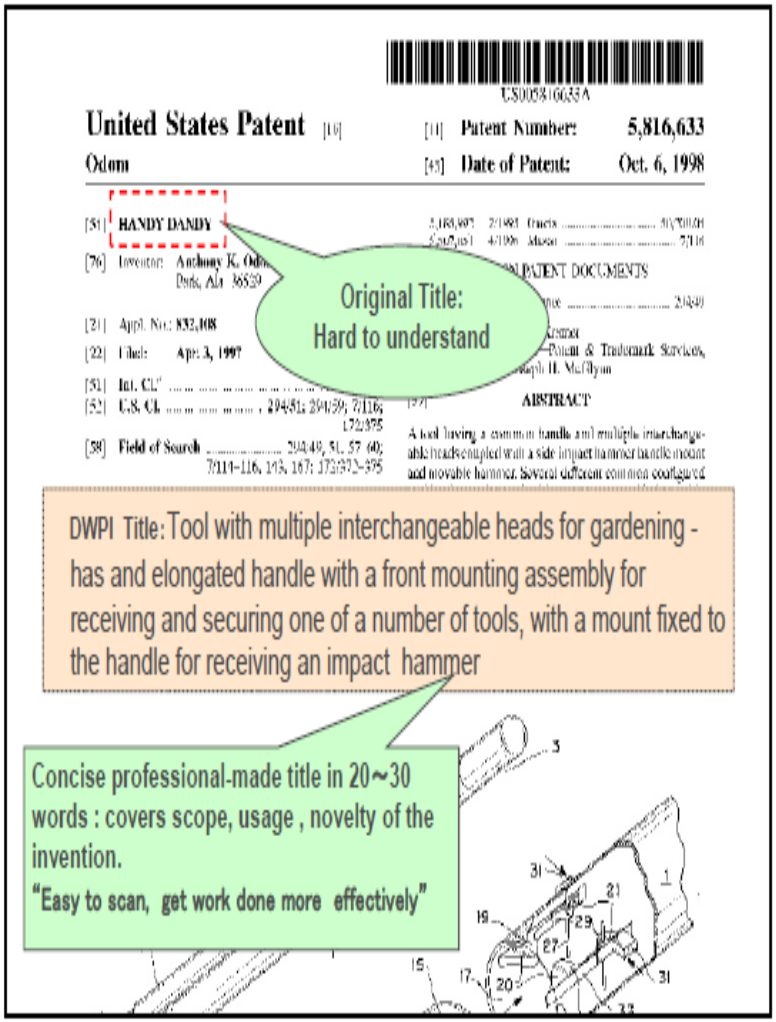


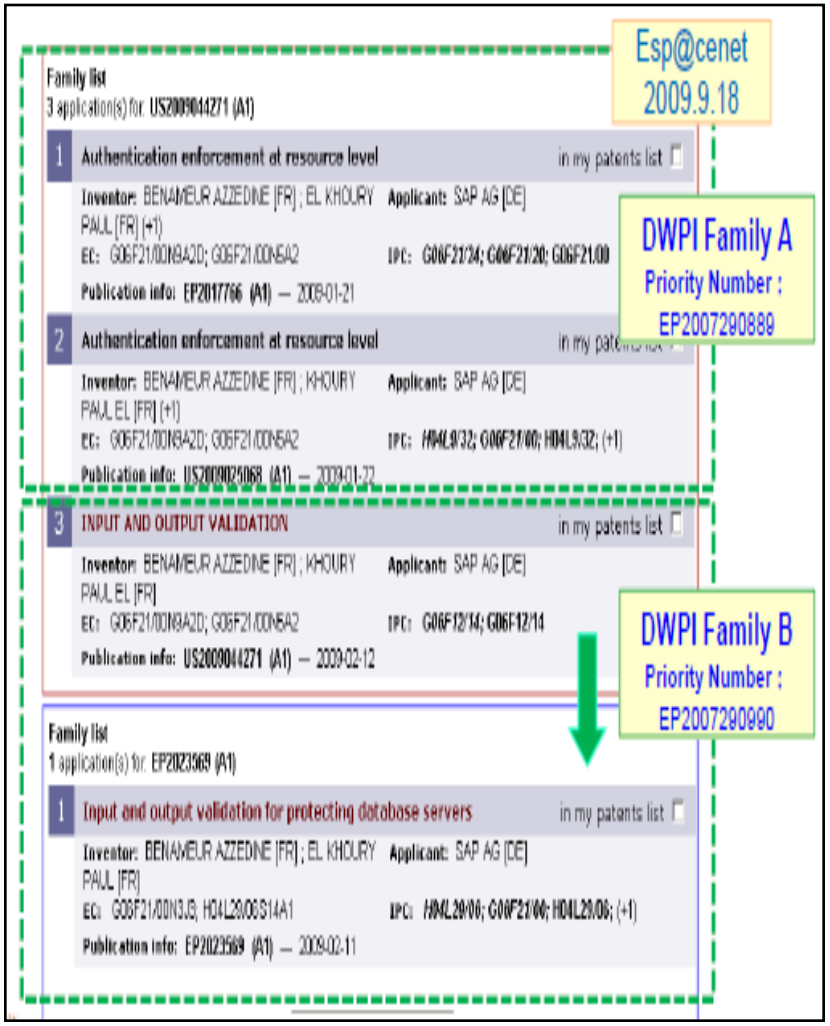
Source: Thomson Reuters

Derwent World Patent Index (DWPI)
Patent Family and Non-conventions Equivalents



Data Correction (Assignee, Priority No., etc.)

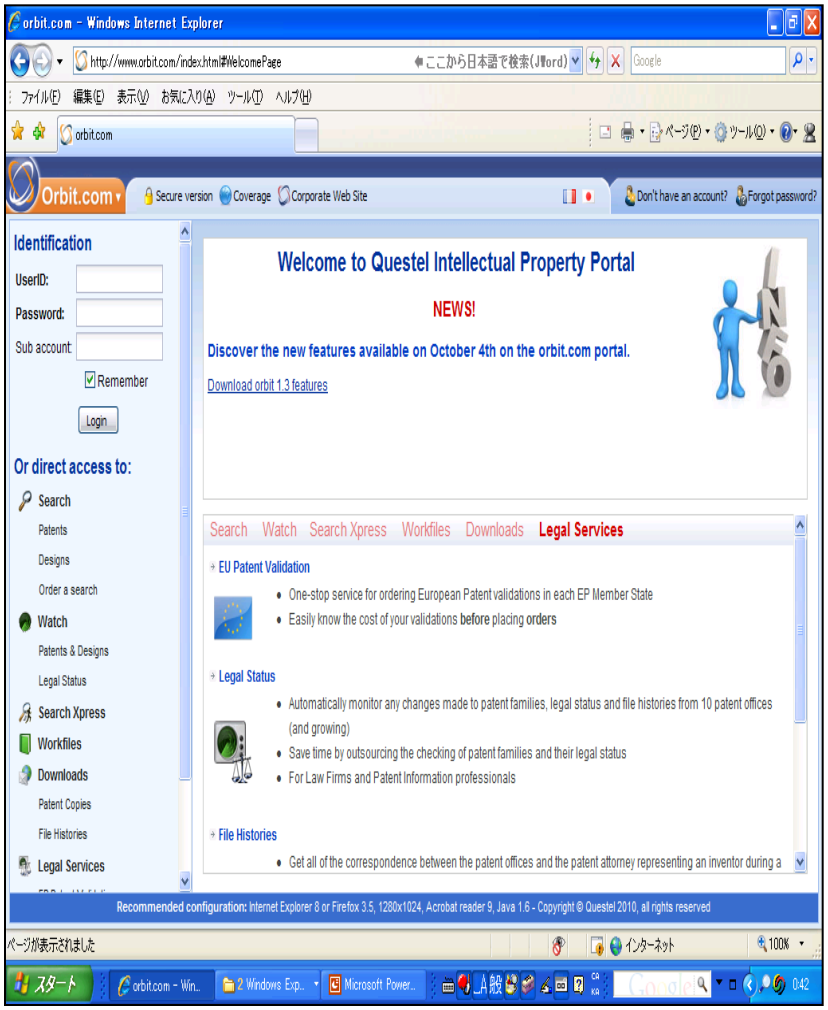




Source: Thomson Reuters

Orbit.com (Questel)

http://www.orbit.com/index.html#WelcomePage



*Web Platform of Patent

92 patent authorities back to the late 1800's over 60 M patents

*23 countries

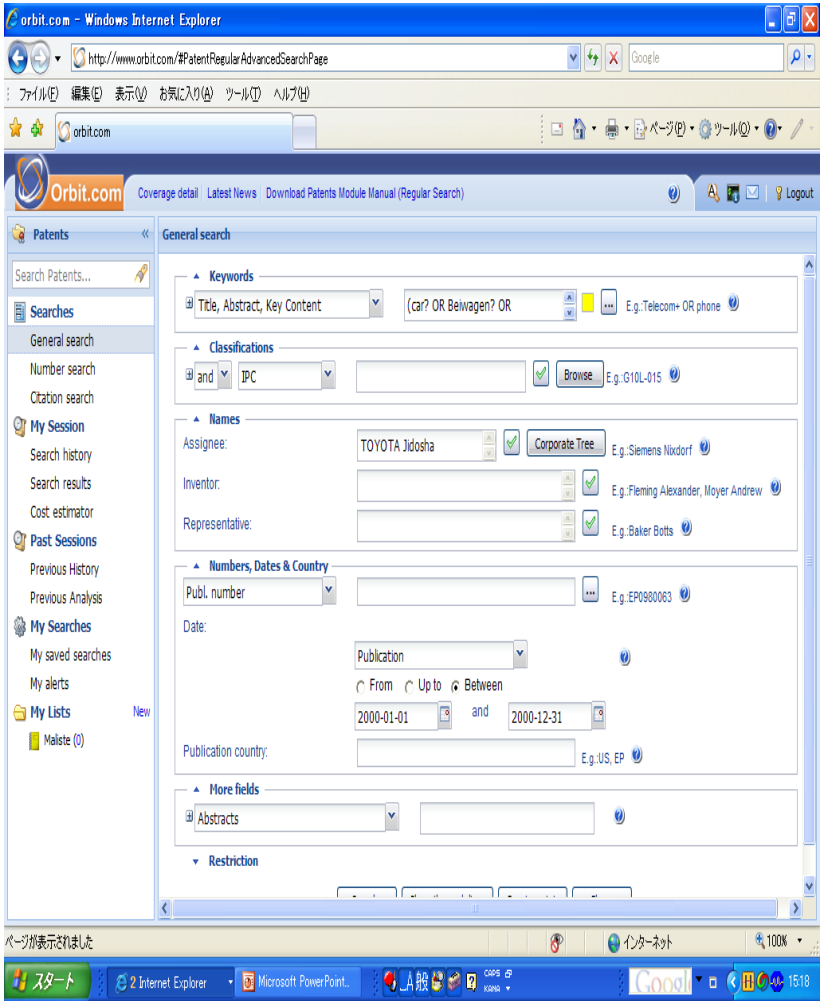
Patent data of Brazil, China, India, Japan, Korea, Russia, Taiwan, etc. by MT translated English

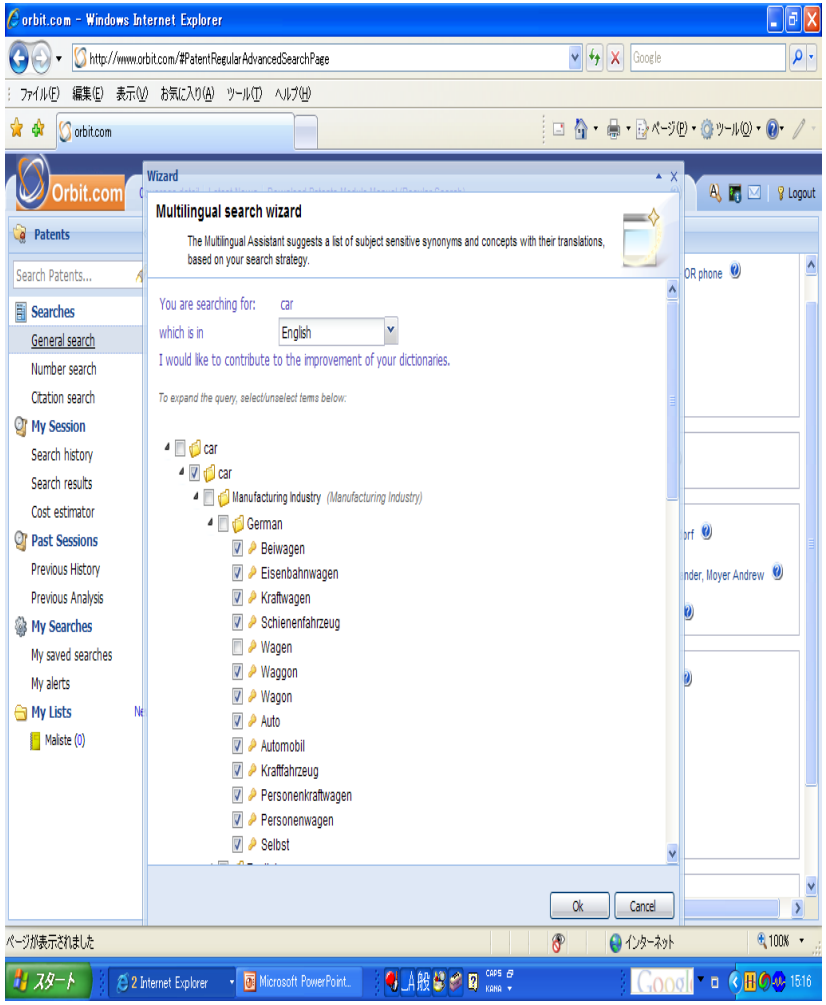
*Legal Status

INPADOC legal status data with DEAD or LIVE

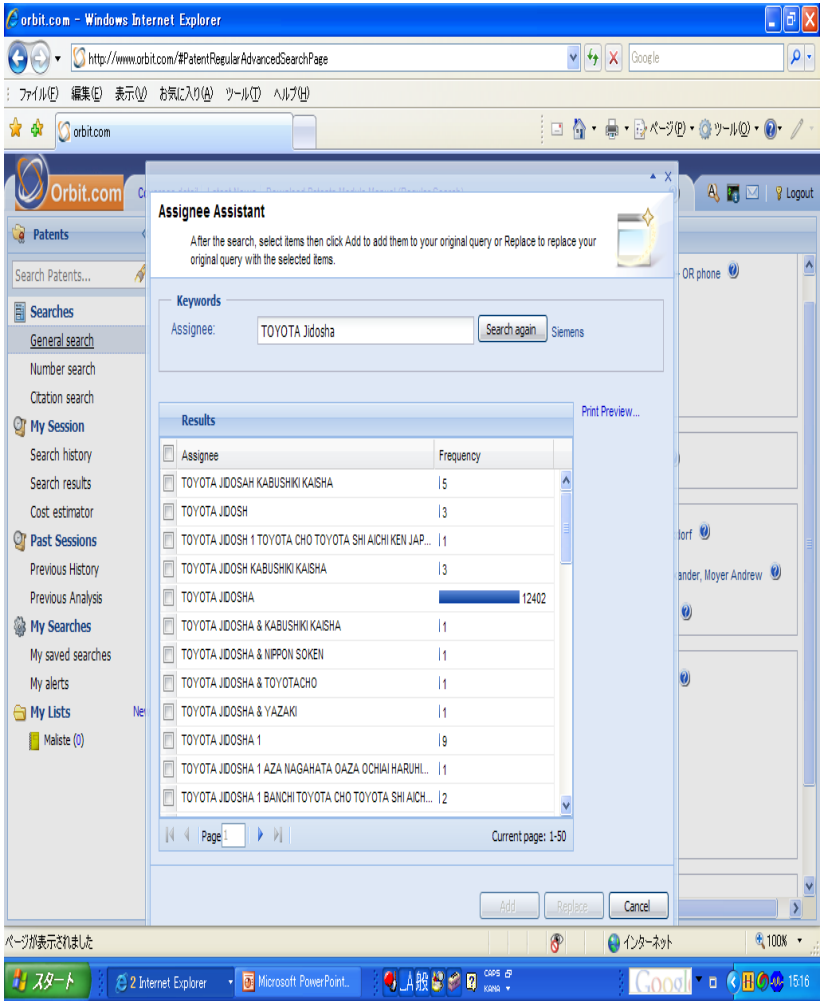
General/Number/Citation Search

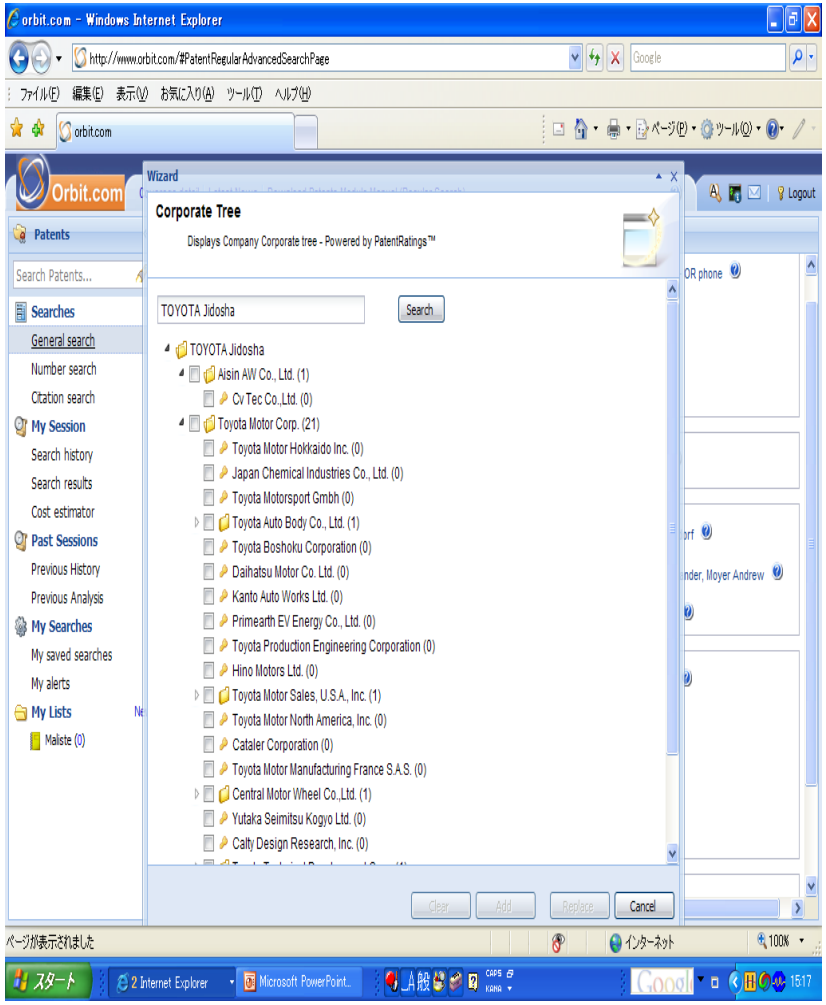
Synonyms in French, English and German



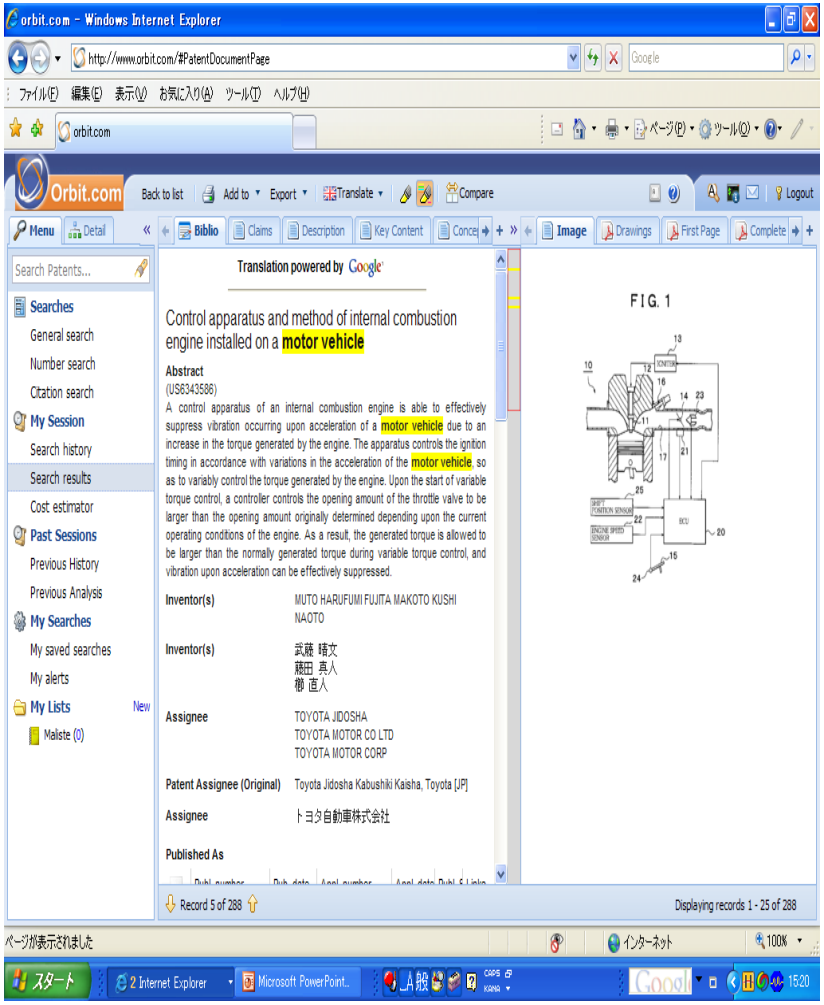


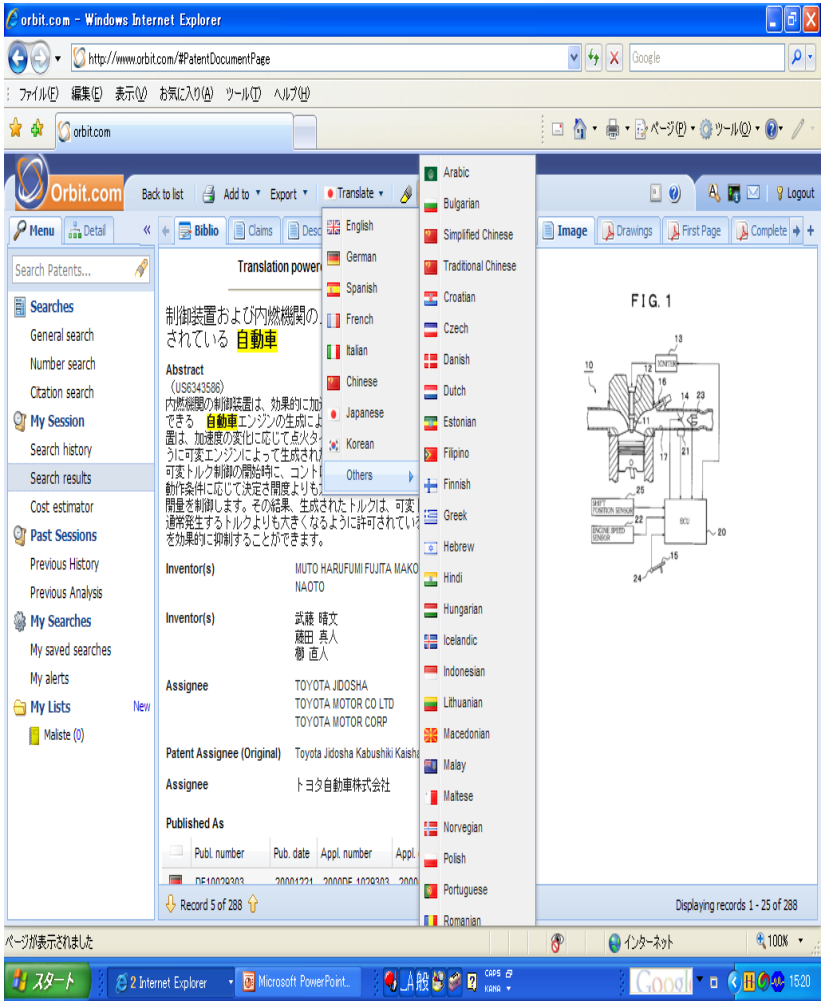
Assignee Assistant and Corporate Tree



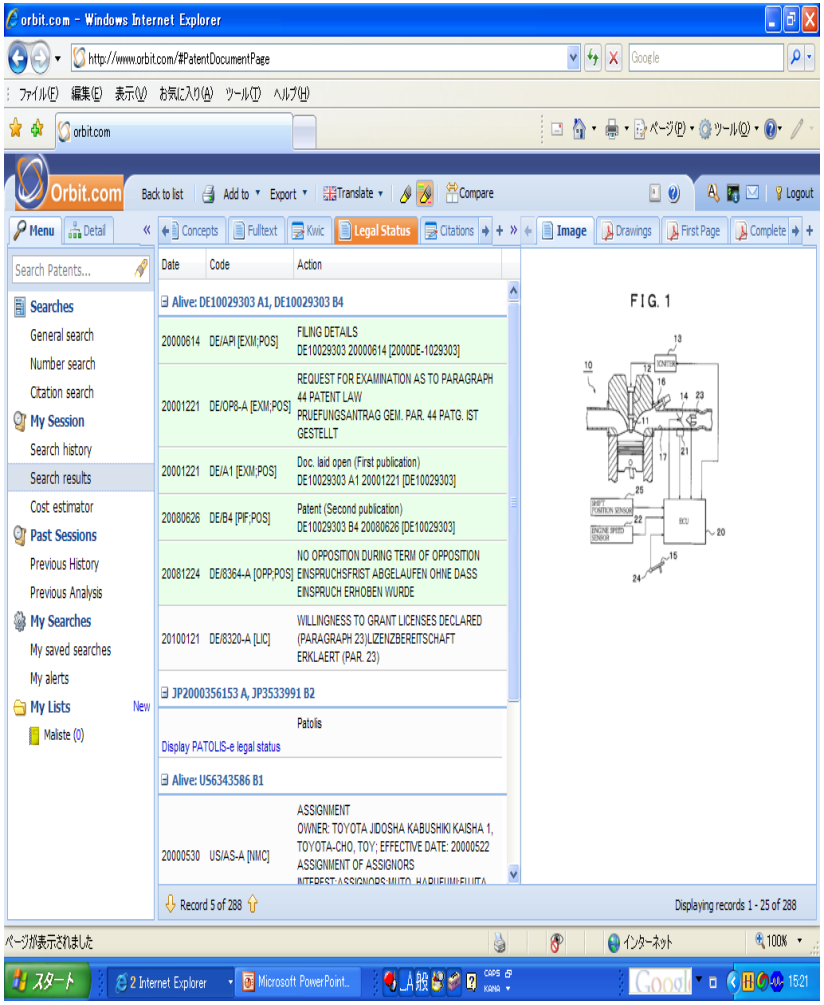


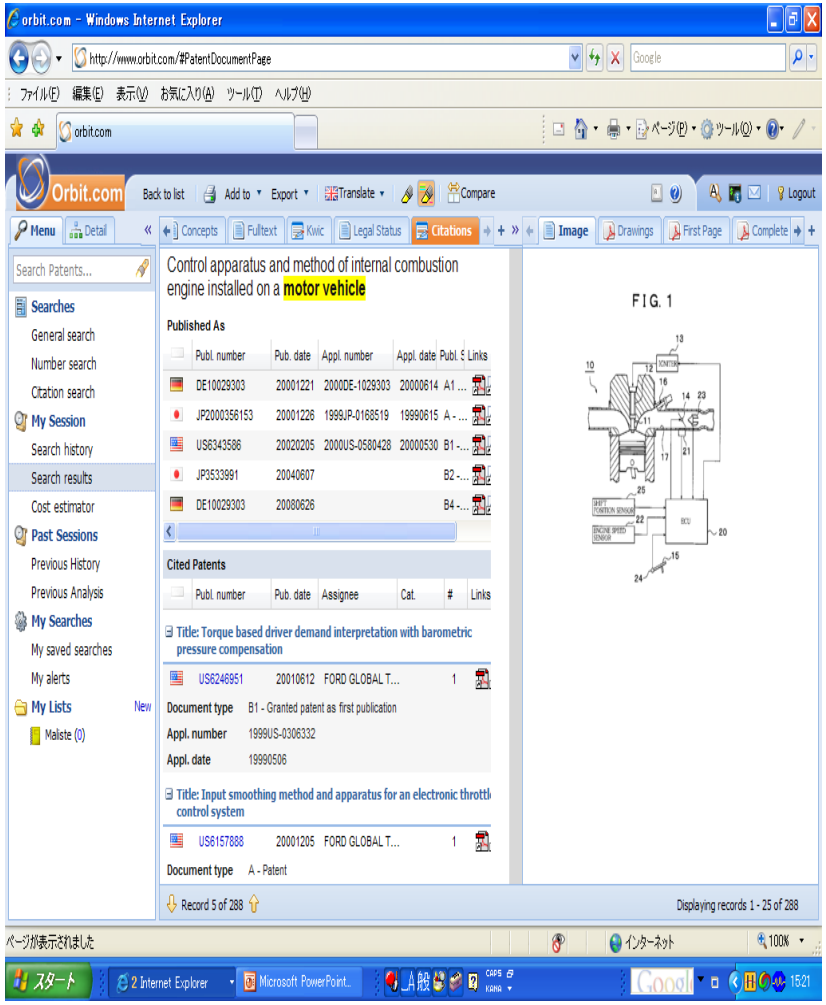
Search Results and Machine Translation 40+



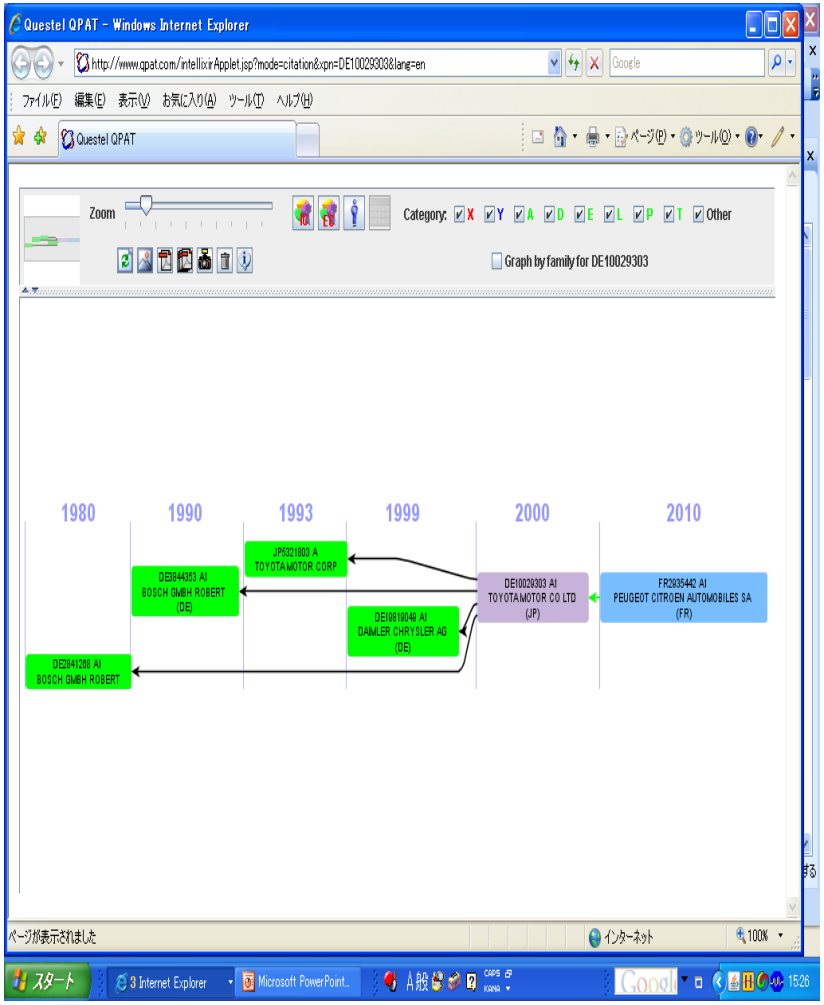


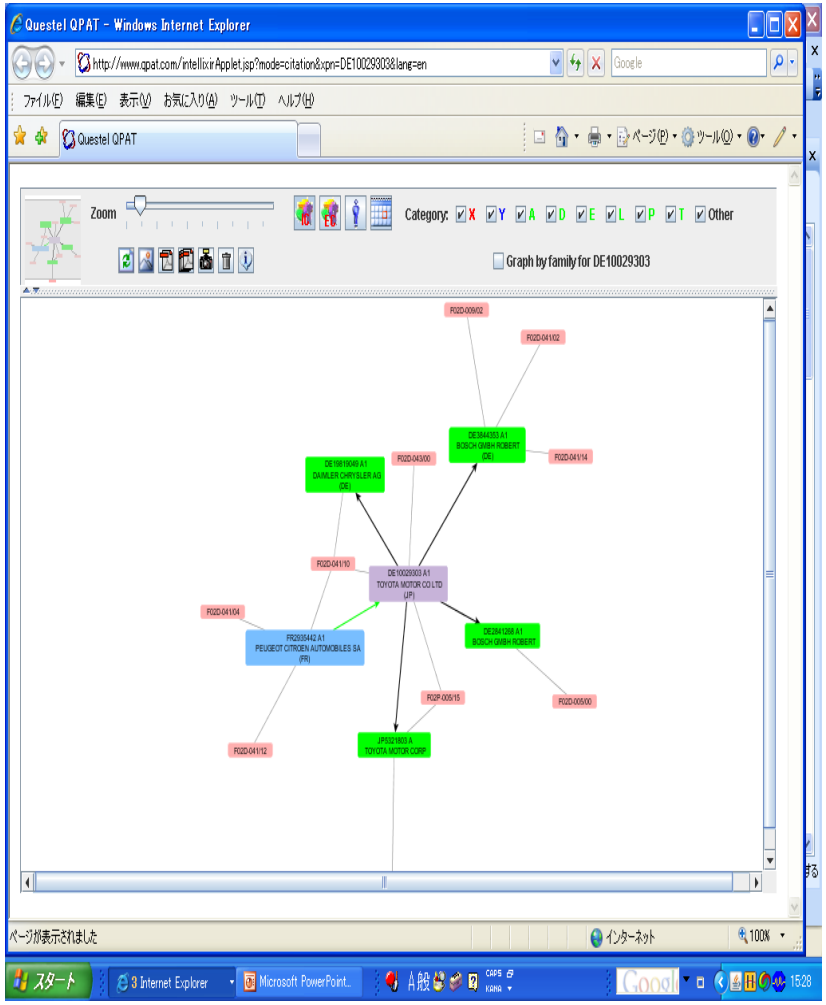
Legal Status and Citations



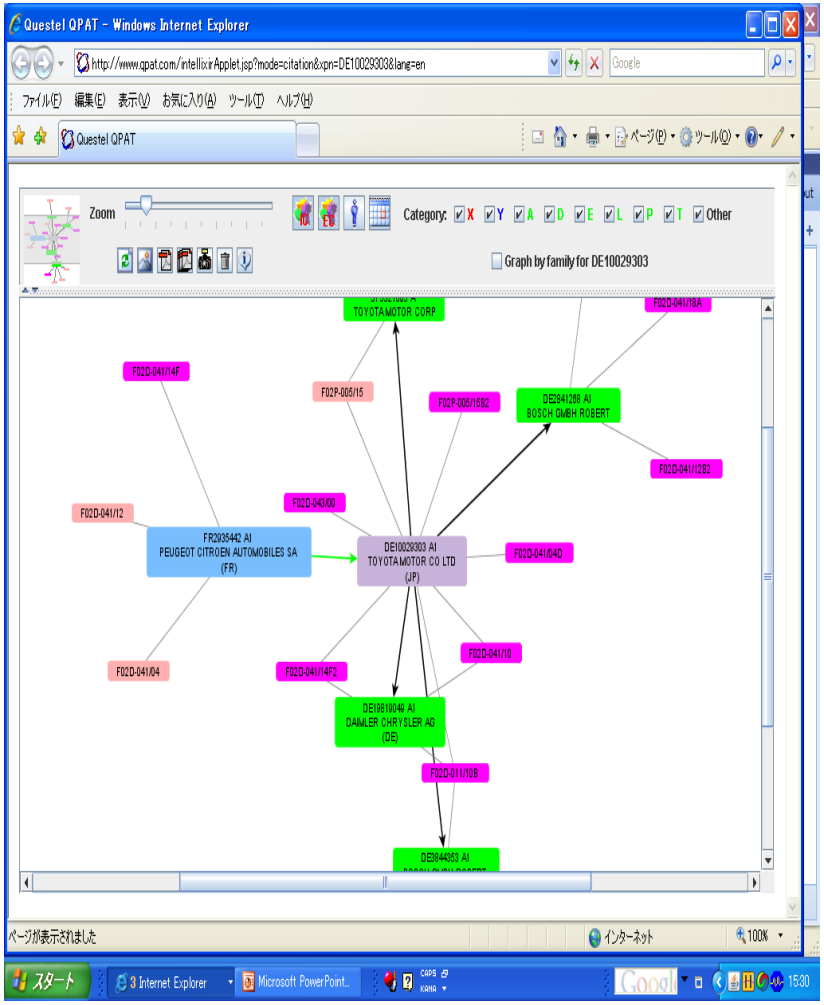


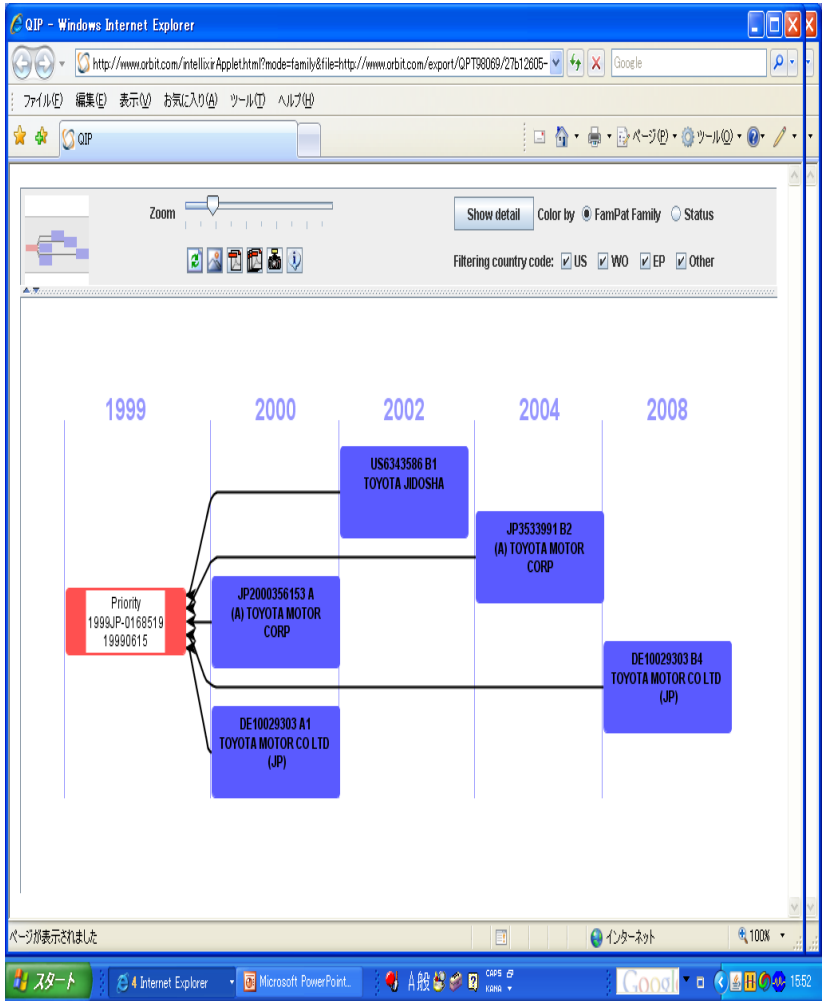
Citations Chart, and with IPC



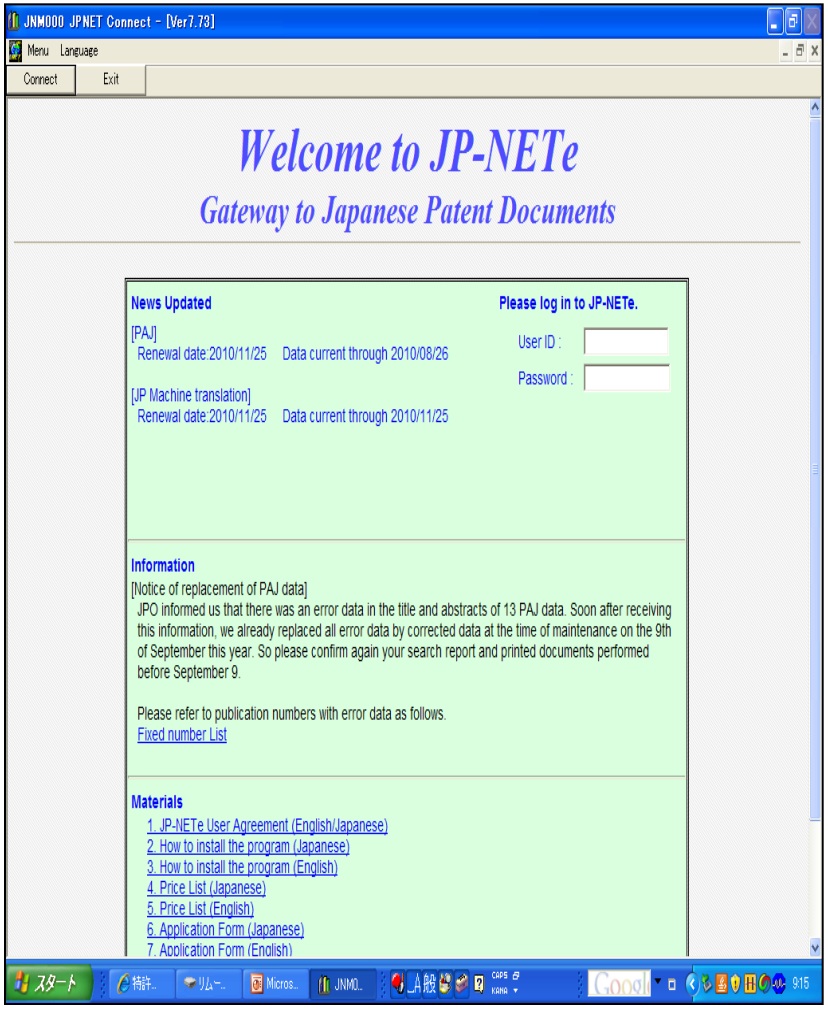


Citation Chart with IPC and ECLA and INPADOC Family





JP-NETe (JPDS)



***JP-NETe, English patent search system, allows you to make a patent search in English for Japanese unexamined patent publications dating back to 1989.**

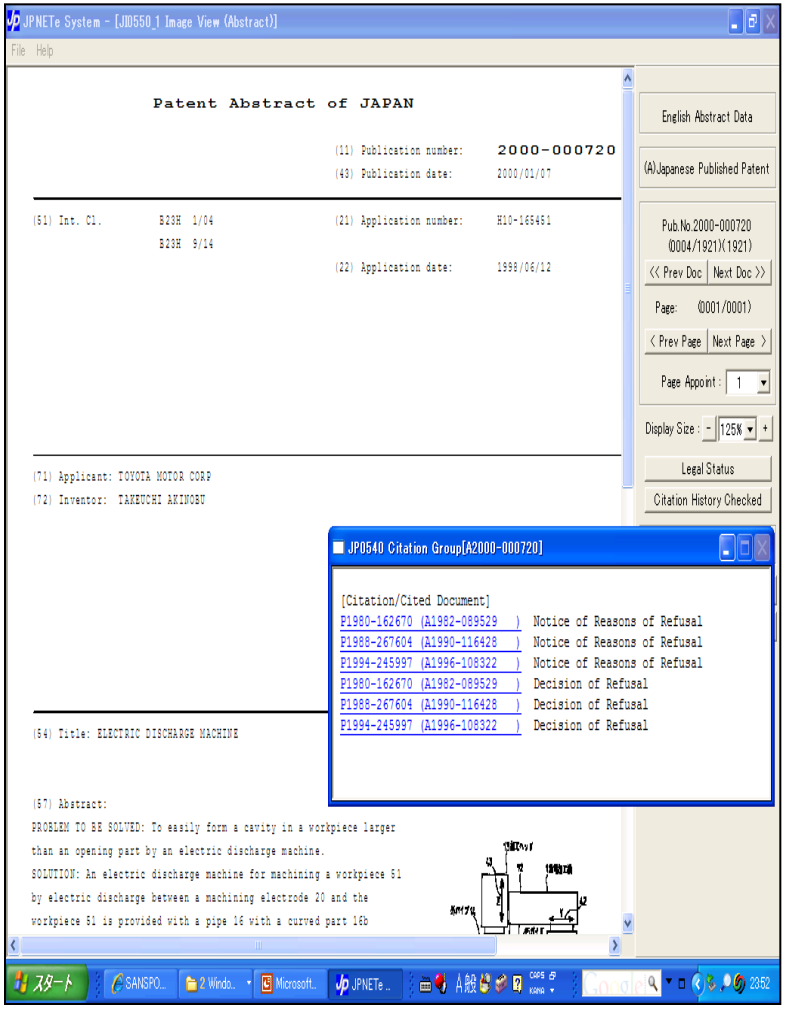
***No time lag in publication date by using machine translation**

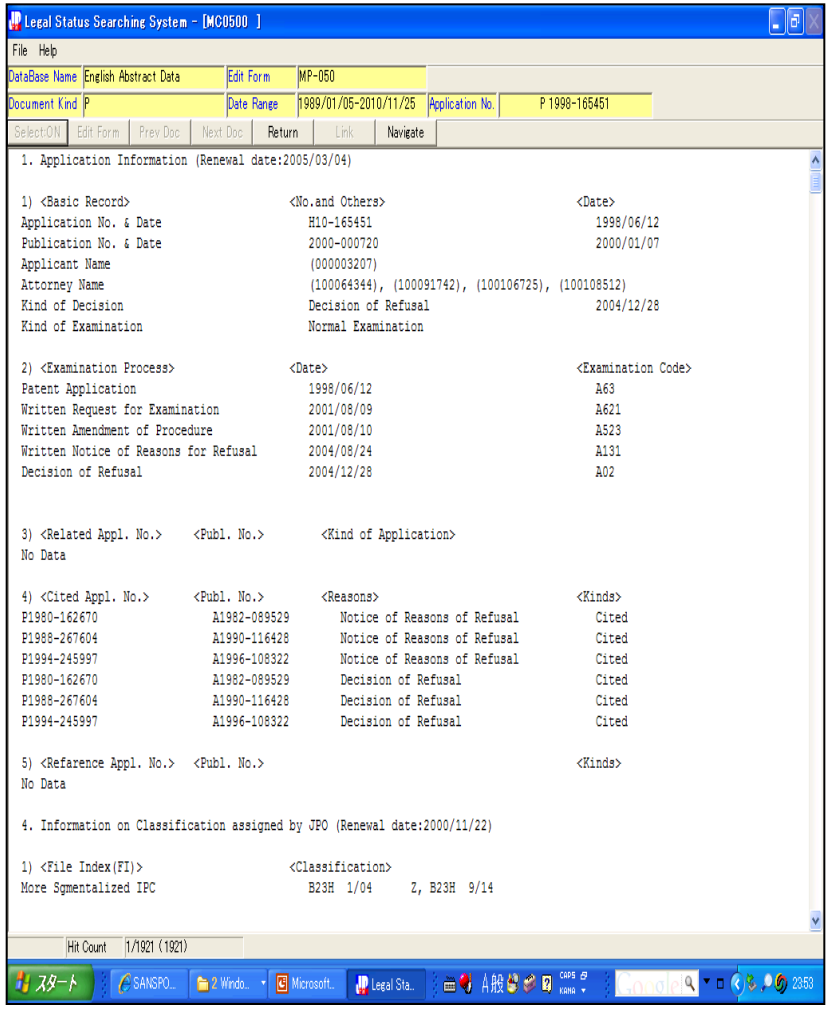
***All bibliographic and abstracts data with first claim available**

***Cited/Citation and all legal status data (examination, trial/appeal and registration procedures) available**

JP-NETe (JPDS)

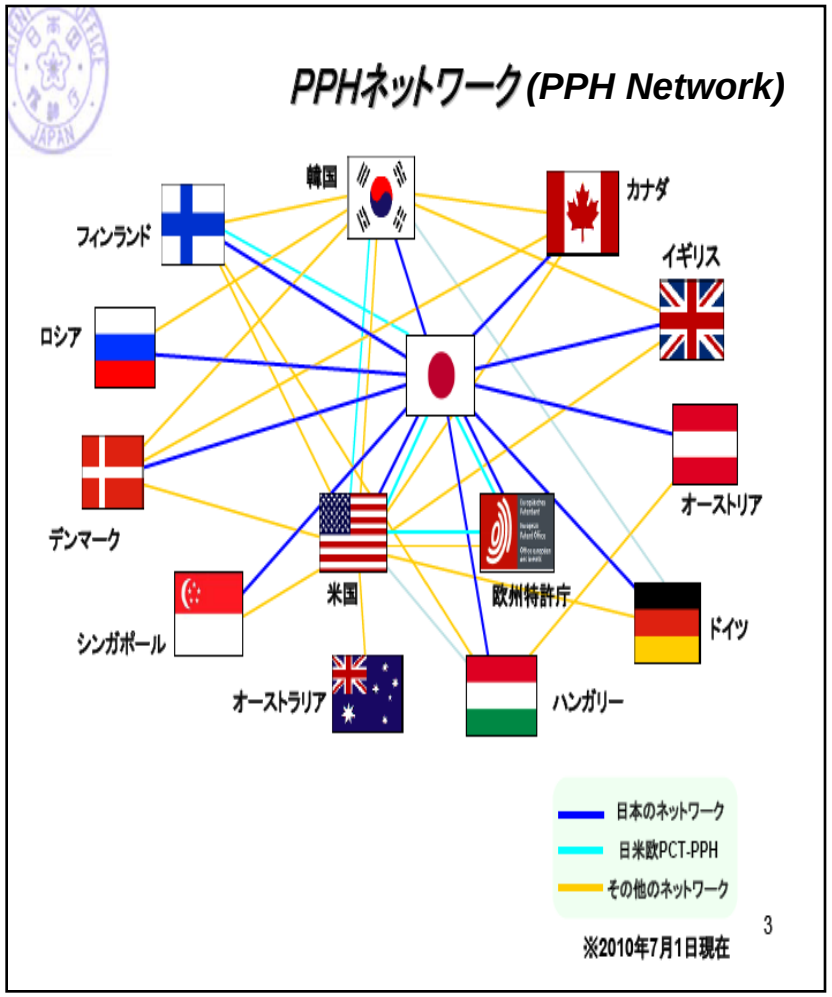
Cited/Citation data, Full Legal Status Data







Effective Use of Examination Reports



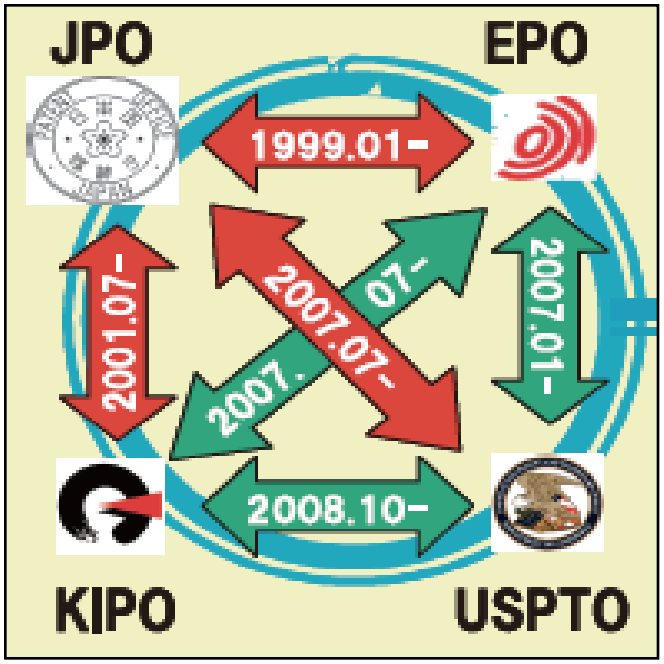
(Source: JPO)

*PPH (Patent Prosecution Highway) in bilateral cooperation

Examination documents and search results of granting a patent at one Patent Office are available mutually to improve the quality of examination at another Patent Offices .

Dossier Access System and Asian Industrial Property Network

*Dossier Access System among EPO, USPTO, JPO started as form 2006, and KIPO joined as from2007



(Source: JPO HP)

*AIPN (Asian Industrial Property Network)

Documents (legal status and file wrapper) relating to the examination and search results of JPO are available in English at 37 Patent Offices and EPO, including Asian Patent offices of Australia, China, Korea, Indonesia, India, Malaysia, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Viet Nam.

(Aug. 2010).

Thank you for your attention !

For more details and questions, please let us know.

Shigeaki Oda
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E-mail: international-dept@jpds.co.jp
URL: http://www.jpds.co.jp