

LOOKING FOR PATENTS IN COMMERCIAL COMPUTER DATA BASES
(L'UTILISATION D'UNE BANQUE DE DONNEES COMMERCIALE
DANS LA RECHERCHE DE BREVETS D'INVENTION AUTOMATISEE)

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ABSTRACT

Searching for patents is a special aspect of information retrieval which covers many disciplines. In addition to the time-honoured manual searching of patent gazettes, many now want to use the modern, faster techniques of computer searching of commercial data bases, by both on-line and batch methods. For this, it is important to know what data bases contain patents, the extent of their coverage, and how to search specifically for them. These are discussed and summarized. (La recherche de brevets d'invention représente un aspect special d'une recherche documentaire embrassant plusieurs domaines. Les chercheurs maintenant demandent, comme un supplément de la méthode classique de recherche manuelle ou on se serve des registres de brevets, aussi des techniques modernes et plus rapides de la recherche automatisée aidée par des bases de données commerciales avec le choix de système direct ou traitement par lots. En conséquence on a besoin de renseignement sur quelles bases registrent des brevets d'invention, aussi que les domaines particulières y comprises, et sur les méthodes de recherche appropriées en chaque circonstance. Ces aspects sont discutés et évalués.)

PATENTS IN DATA BASES

Patents are a special area in the information field and cover many disciplines, limited only by the definitions of what is patentable. Their contents are searched from a legal point of view such as for prior art preparatory to applying for a patent on a new invention, or sometimes to look for infringement. Perhaps more often they are searched for their technical input to the broad field of knowledge.

The compilation of this list of data bases containing patents began from two needs. The first was that some years ago my company asked me to investigate and collect data on all data bases available commercially that would be of concern to the needs of the company. My original file on data bases increased rapidly, and selecting those that seemed most relevant to our needs, I went to visit some of the producers of the data services. This resulted in arranging for Alcan to access many of the data bases. At the same time, part of my work dealt with patent searching for research results we wished to protect or for other legal reasons. It seemed natural to become interested in using the data bases as a source for patent searching. At the Seminar on Intellectual Property as Sources for Scientific, Technical and Business Information, held at the Canadian Patent Office, November 22-24, 1976, I spoke on "Patent Searching from a User Point of View" and included a section on data base searching for patents. This paper is an expansion of what I presented then. As I began to prepare it I received a copy of Martha Williams' and Sandra Rouse's "Computer-Readable Bibliographic Data Bases - a Directory and Data Source-book" published by American Society for Information Science, Washington, DC, U.S.A., October 1976. This contained all the data bases I held in my files plus several more. Also in their questionnaire, they had asked the producers to indicate the approximate percent distribution of source items. In most cases these numbers are estimates, but they serve as a guide. What I have done is to go through the 301 data bases listed and select those that list patents as a source. Then I arranged the resulting 45 bases into descending order of percentage of patent coverage, and found I had a very useful list. Of these 45 data bases, eight deal only with patents or trademarks. The other bases have a patent content ranging from 50 percent down to about 0.4 percent. Data bases for which I did not have a percentage figure, I have put at the end of the list under : ? % Patents.

DATA BASES CONTAINING 100% PATENTS

1. APIPAT - Index to API Abstracts of Refining Patents: This base contains patents from the following 6 sections of the Derwent Central Patents Index: PLASDOC; AGDOC; FOOD, DISINFECTANTS, DETERGENTS; CHEMDOC; PETROLEUM; and CHEMICAL ENGINEERING; and a supplementary group of petroleum-related patents outside the scope of the Derwent Service.
 - American Petroleum Institute
 - Time span covered by data base: 01/64 to present.
 - Worldwide coverage of patents related to petroleum refining and the petro-chemical industry.

PATENTS IN DATA BASES

2. CLAIMS/CHEM - Class code, Assignee, Index, Method Search - Chemistry.
 - IFI/Plenum Data Company.
 - Time span: 01/50 to present.
 - All U.S. chemical and chemically related patents plus foreign equivalents from Great Britain, France, Germany, Belgium, and the Netherlands.
3. CLAIMS/GEM - Class code, Assignee, Index, Method Search - General, Electrical, Mechanical
 - IFI/Plenum Data Company
 - Time span: 01/75 to present.
 - All U.S. patents in the general, electrical and mechanical engineering related areas.
4. CPI - Central Patents Index (Consists of sections: A - Polymers, Plastics; B - Pharmaceuticals; C - Agricultural Chemicals; D - Food, Detergents; E - General Chemicals; F - Textiles, Paper; G - Printing, Photographics; H - Petroleum; J - Chemical Engineering; K - Nucleonics, Explosives; L - Refractives, Ceramics; M - Metallurgy)
 - Derwent Publications Ltd.
 - Time span: 01/70 to present.

- Patent literature from 12 major patent publishing countries covering polymers and plastics, pharmaceuticals, food stuffs, textiles, graphic arts, petroleum, glass and ceramics, and metallurgy.
5. OTAF Data Base - Office of Technology Assessment and Forecasts Data Base
 - U.S. Patent and Trademark Office
 - Time span - 1963 to present
 - All U.S. Patents from 1963

(Data base not commercially available)
6. Patent Concordance - Patent Concordance in Computer-Readable Form
 - Chemical Abstracts Service
 - Time span - 01/62 to present.
 - Correlates patents issued by different countries for the same basic invention. Newly published patents which correspond to a patent for which an abstract has been published previously in Chemical Abstracts are not abstracted a second time. They are linked by number and issuing country to the first CA abstract number.
 - Related to patents covered in Chemical Abstracts.

PATENTS IN DATA BASES

7. WPI - World Patents Index
- Derwent Publications Ltd.
 - Time span: 01/74 to present.
 - Patent literature from 24 leading countries using IPC codes for: human necessities; performing operations, transporting; chemistry; textiles; building, construction; mechanics, lighting, heating; instruments, nuclear science; electricity.

A further data base should be included with this group. This is the Trademark Data Base.

8. Trademark Data Base
- TCR Service Inc.
 - Time span: late 1800's to present
 - All U.S. trademark applications submitted for Federal registration, and contains data pertinent to the history of trademarks.
 - The base contains: description of goods; filing date; registration date, if available; serial number for all trademarks; and ancillary information such as, opposition actions, interference actions, etc.

DATA BASES CONTAINING: 50% PATENTS

9. POST - Polymer Science & Technology
- Chemical Abstracts Service
 - Time span: 11/67 to present
 - Worldwide coverage of the current scientific and technical literature related to macromolecular chemistry - Sections 35-46 of Chemical Abstracts.

: 40% PATENTS

10. ABIPC - Abstract Bulletins of the Institute of Paper Chemistry
- also known as Paperchem
 - The Institute of Paper Chemistry
 - Time span: 07/66 to present
 - Theoretical principles, technologies, raw materials, paper and broad manufacturing and utilizing industries.
11. STI - Specialized Textile Information Service
- Shirley Institute
 - Time span: 01/70 to present
 - Literature of permanent technical value on the science and technology of textiles plus all relevant U.K. and U.S. patents.

PATENTS IN DATA BASES

: 35% PATENTS

12. MATERIALS

- Chemical Abstracts Service
- Time span: 01/75 to present
- Chemical and chemical engineering aspects of the production, properties, and applications of industrially important materials - Sections 35-39, 41-43, 53-58 of Chemical Abstracts.

: 30% PATENTS

13. Petroleum Abstracts

- University of Tulsa
- Time span: 01/65 to present
- Technical literature and patents relevant to the exploration and production of gas and oil, geology, geophysics, geochemistry, drilling and reservoir engineering.

14. Textile Technol

- Textile Technology Digest Keyterm Index
- Institute of Textile Technology
- Time span: 01/66 to present
- Literature of textile technology and textile marketing.

: 18% PATENTS

15. WAA

- World Aluminum Abstracts
- American Society for Metals
- Time span: 03/68 to present
- All information relating to aluminum, from ore processing through end uses.

: 16% PATENTS

16. CACon - CA Condensates

- Chemical Abstracts Services
- Time span: 07/68 to present
- Worldwide coverage of chemistry and chemical engineering.

17. CAISF - CA Integrated Subject File

- Chemical Abstracts Services
- Time span: 01/67 to present
- Volume Index entries for Chemical Abstracts, divided into two parts: Part A contains all Chemical Substance Index entries; Part B contains all General Subject Index entries.

18. CASIA - CA Subject Index Alert

- Chemical Abstracts Services
- Time span: 01/67 to present
- Current awareness data file containing Volume Index entries for Chemical Abstracts.

PATENTS IN DATA BASES

: 15% PATENTS

19. FOOD AND AGRICULTURAL CHEMISTRY
- Chemical Abstracts Services
 - Time span: 01/75 to present

: 13% PATENTS

20. ENERGY
- Chemical Abstracts Service
 - Time span: 01/75 to present
 - Worldwide coverage of chemical and chemical engineering aspects of energy sources, production, and technology.

: 10% PATENTS

21. FSTA - Food Science and Technology Abstracts
- International Food Information Service
 - Time span: 01/69 to present
 - Covers food science and technology.

22. TITUS - Textile Information Treatment Users' Service
- Institut Textile de France
 - Time span: 01/69 to present
 - Covers the literature related to goods and materials for the textile and related industries, structure, properties; processes and machines for the production of fibrous materials, ... non-wovens, etc.; treatment and machines for finishing, bleaching, printing, dyeing; and treatments and machines for the manufacture of finished products.

: 7% PATENTS

23. APTIC - Air Pollutational Technical Information Center
- Environmental Protection Agency
 - Time span: 01/66 to present
 - Worldwide coverage of the literature on air quality and air pollution prevention and control.

: 6.25% PATENTS

24. INSPEC
- International Information Services in Physics, Electro-Technology, Computers and Control
 - Institution of Electrical Engineers
 - Time span: 01/69 to present
 - Worldwide coverage of literature related physics, electrical and electronics engineering, computers and control engineering, and mechanical engineering.

PATENTS IN DATA BASES

: 5% PATENTS

25. BEIC - Battelle Energy Information Center
 - Battelle
 - Time span: 1973 to present with some retrospectives back to 1940.
 - Covers publications not normally covered by other on-line data bases related to the principal current and potential energy sources.
26. Gas Chromatography
 - Computerized Information Retrieval System of Gas Chromatography Literature
 - Preston Technical Abstracts Company
 - Time span: 01/52 to present
 - Worldwide coverage of the literature dealing with the instrumentation, techniques, applications and theory of gas chromatography.
27. NMR - Computer Based Nuclear Magnetic Resonance Literature Retrieval System
 - National Institute of Arthritis, Metabolism and Digestive Diseases
 - Time span: 07/64 to present
 - Worldwide coverage of the literature dealing with all aspects of nuclear magnetic resonance.

: 4% PATENTS

28. CBAC - Chemical-Biological Activities
 - Chemical Abstracts Services
 - Time span: 01/65 to present
 - Worldwide coverage of literature reporting interactions of chemical substances with biological systems in viro and in vitro as well as pharmacological and pharmaceutical techniques for observing such interactions. Chemical Abstracts Sections 1-5, 62-64.

: 2% PATENTS

29. NSA - Nuclear Science Abstracts
 - Energy Research and Development Administration
 - Time span: 01/66 to present
 - International literature on nuclear science and technology.

PATENTS IN DATA BASES

30. Rock Mechanics
- Rock Mechanics Information Science.
 - Time span: 01/68 to present
 - Covers the fields of geology, geophysics, mining, civil engineering, soil mechanics and fracture.
31. Toxic Materials
- Toxic Materials Information Center General File
 - Toxic Materials Information Center
 - Time span: 1968-1974
 - The subject matter covers movement of chemicals through environmental media such as air, soils, analytical chemistry of organometallics, environmental modelling and energy sources.
- : 1% PATENTS
32. CPA - Chemical Propulsion Abstracts
- Johns Hopkins University
 - Time span: 01/69 to present
 - Chemical propulsion, propellants, explosives, pyrotechnics, materials and construction, safety and hazards.
33. MRIS - Maritime Research Information Service
- Maritime Transportation Research Board
 - Time span: 01/70 to present with 1968-70 selected items.
 - Worldwide coverage of publications dealing with maritime research and the maritime industry.
34. STAR - Scientific and Technical Aerospace Reports
- U.S. National Aeronautics and Space Administration
 - Time span: 01/62 to present
 - Worldwide coverage of technical report literature related to aerospace information.
35. SWRA - Selected Water Resources Abstracts
- Water Resources Scientific Information Center
 - Time span: 01/68 to present
 - Covers the water-related aspects of the life, physical, and social sciences as well as related engineering and legal aspects of the characteristics, conservation, control, use or management of water.
- : 0.5% PATENTS
36. NTIAC - Nondestructive Testing Information Analysis Center
- Southwest Research Institute
 - Time span: 01/60 to present

PATENTS IN DATA BASES

- Covers the international literature related to nondestructive testing and/or evaluation techniques and processes, involving material-energy interaction phenomena such as radiographic, holographic, acoustic, magnetic, etc.

: 0.4% PATENTS

37. MASS Spectrometry Bulletin

- Mass Spectrometry Data Centre
- Time span: 11/66 to present
- Literature of mass spectrometry and related topics.

: ? % PATENTS

38. CAB System - Commonwealth Agricultural Bureaux Systems

- Commonwealth Agricultural Bureaux Systems United Kingdom
- Time span: 01/73 to present
- File of agricultural information containing all records in the 22 journals published by CAB and covers every branch of agricultural science.

39. ISMEC - Information Services in Mechanical Engineering

- Institution of Electrical Engineers and ISMEC Division of Data Courier, Inc.
- Time span: 01/73 to present
- Literature of engineering management and production, measurement and control, mechanics, tools and equipment, energy and power, transport and handling, mechanical engineering and natural resources, and other applications of mechanical engineering.

40. NTIS Bibliographic Data File

- National Technical Information Service
- Time span: 07/64 to present
- Multidisciplinary coverage of technical reports generated by U.S. Government-sponsored research.

41. Olje-Indeks

- Norsk Senter for Informatikk
- Time span: ?
- Covers journal articles, newspaper articles, books, government papers and patents in the field of oil prospecting and refining.

42. PASCAL

- Programme Appliqué à la Compilation Automatiques de la Litterature
- Centre Nationale de la Recherche Scientifique
- Time span: 01/72 to present

PATENTS IN DATA BASES

- Available as 32 separate subject oriented data bases covering basic and applied science, engineering and technology, medicine, psychology and psychiatry.

43. POLLUTION ABSTRACTS

- Pollution Abstracts, Division of Data Courier, Inc.
- Time span: 01/70 to present
- Worldwide coverage of significant literature on all major pollution-related topics: air pollution, water pollution; solid wastes, noise pollution, pesticides, radiation, and general environmental quality.

44. SCI - Science Citation Index

- Institute for Scientific Information
- Time span: 01/61 to present
- International coverage of the prime journals of science, basic and applied, engineering, technology, life sciences, and medicine.

45. SHIP Abstracts

- Norsk Senter for Informatikk
- Time span: ?
- Covers selected ship technical and management articles from international journals, reports, proceedings, patents.*

DATA BASE SEARCHING FOR PATENTS

There are four commercial vendors of data bases in Canada that are available to most Canadian companies and universities. They do not cover all of the data bases listed above, and some of the data bases are covered by more than one of the vendors. The data bases containing patents available from each of the vendors are listed along with a simplified description of how to manipulate the base to receive specific patent information. The usual searchable items such as title, authors, etc. are not cited, and where nothing is shown in the tables then the patent information must be obtained through these searchable areas.

1. SDC-INFOMART (ORBIT) - Besides the general commands for the specific data bases, the special commands relating to searching for patents are outlined in TABLE 1.
2. LOCKHEED (DIALOG) - See TABLE 2.

* For a complete listing of addresses and descriptions for these data bases see "Computer-Readable Bibliographic Data Bases - A Directory and Data Sourcebook".

TABLE 1

ORBIT SEARCHING FOR PATENTS ON DATA BASES

	Data Base	Category Names	Directly Searchable Categories	Tailored Print Commands	Serial (Text) Searching	Standard Print Command Displays
1	APIPAT Unit Record	Patent Number	PN			x - - x -
16	CHEMCON CHEM 7071	Patent Number Patent Assignee Patent Classification Patent Date Patent Priority No. Patent Location	(PN) ICS(IT) (PC) - - (PL)	PN PA PC PD PP PL	(PN) (PA) (PC) (PD) (PP) (PL)	- x - x - x - x - x
40	NTIS	Source	-	SO	(SO)	
10	PAPERCHEM	Source	-	SO	(SO)	
43	POLLUTION Abstracts	Source	-	SO	(SO)	x - - x -
22	TITUS	Source	-	SO	(S))	
13	TULSA data base	Source	-	SO	(SO)	x - - x -
4/7	WPI/CPI	Derwent Class International Patent Classification Priority Countries and Members Patent Number	IPC PN			

TABLE 2

DIALOG SEARCHING FOR PATENTS ON DATA BASES

Searchable Fields - Used with EXPAND, SELECT Commands

	Data base	File	Search Code	Field Name	Search Entry Example	Limit Suffix
23	APTIC	45	DT=	Document Type	DT=PAT	/PAT
16	CA	3	AC=	Country of Patent	AC=Australian	
18	CA Con 70-71	2	CL=	Application or Priority Code	CL=AOLG	
6	CASIA	30	CL=	Patent Classification Number	CL=10J172	
	Patent	43	JN=	Country of Granted Patents	JN=Brit	
	Concordance		PA=	Patent Assignee	PA=Syntex?	
			PN=	Patent Number	PN=100264	
38	CAB	50	DT=	Document Type	DT=PAT	
2/3	CLAIMS TM	23/24	CL= Number	Classification Code	CL=252363500	/C Composition
			CL= 3 digits	Classification Group	CL=242	/D Defensive
			CL= Number/OR	Original Class Code	CL=252363500/OR	Publication
			CL= Number/XR	Cross-Reference Class Code	CL=1062080000/XR	
			AN= Name	Assignee Name	AN=CYANAMID	/M Machine or
			AC= Code	Assignee Code	AC=002888	Device
			PN= Number	Patent Number	PN=3503895	
			FN= Number	Foreign Patent Number	FN=GB1120263	/P Process or
			FN= Code	Foreign Patent Country	FN=GB(a)	Preparation
24	INSPEC	12/13	PA=	Patent Assignee	PA=A.B. Dick, Co.	
			PN=	Patent Number	PN=3489850	
			PO=	Country of original patent application	PO=Australia	
			PI=	Country of patent	PI=USA	

(continued)

TABLE 2 (continued)

	Data Base	File	Search Code	Field Name	Search Entry Example	Limit Suffix
39	ISMEC	14				
40	NTIS	6	RP=	Report No. Prefix	Patent RP=PAT	
44	SCISEARCH	34	CR=	Patents	CR=999523GB,1965	
15	WAA	33	CO= PD= PN=	Corporate source (patents only) Patent Date Patent Number	CO=International Nickel? PD=1975 PN=US 3,901,688	
(a) Country Abbreviation: BE= Belgium FR= France G= Germany GB= Great Britain NL= The Netherlands						

PATENTS IN DATA BASES

3. CAN-OLE

- (a) APIPAT
- (b) Chemical Abstracts Condensates) CAC and INSPEC have a
- (c) INSPEC) FORM index; using PATS
as a search term, all
patents can be retrieved
by
S PATS, FORM
or S PATS, F
- (d) NTIS

4. QL Systems Ltd.

- (a) Pollution Abstracts) combine search term(s) and
- (b) World Aluminum Abstracts) (&) patents

SUMMARY

There are now many data bases that contain patent references. Some of these are not commercially available and access to them is not readily possible. Many of the bases are available on one or more of the larger services such as System Development Corporation (Infomart in Canada)-Orbit, and Lockheed-Dialog in the United States and CAN-OLE (C.I.S.T.I., Ottawa, Ontario) and QL Systems Ltd. (797 Princess St., Kingston, Ontario, K7L 1G1) in Canada.

ADDENDUM

At the time this paper was presented, the author learned that Mr. R. Donati of Lockheed Information Systems, New York had compiled a table entitled "A Comparison of Patent Information Data Elements in DIALOG^(R) Online Data Bases" which expands Table 2. Mr. Donati has given permission for his table to be included in this paper, which should add to its usefulness to the user seeking to locate patent literature on Online Data bases.

Part A

	CLAIMS/CHEM & GEM FILES 23, 24	CA CONDENSATES FILES 2, 3	INSPEC FILES 12, 13
TO SELECT ALL PATENTS	All are patents	LIMIT S/PAT where S=Set No.	S PI=UK; S PI=US; S PI=USA; C 1+2+3 The last set is all patents.
FIELDS PROVIDING SEARCHABLE KEYWORDS	TI S MULTILAYER(W)FILM	TI,DE S 1(W)2(W)DICHLORETHANE	DE, ID(TI), CS S NUMERICAL(W)CONTROL
ASSIGNEE	AN=CYANAMID AC=002888	PA=SOLVAY ET CIE PA=SYNTEX?	E PA=PLESSEY S PA=BITNEY-BOWES?
INVENTOR	Not included unless assignee	E AU=COSTES, JEAN R. then select	E AU=BROWN, P.R. then select
PATENT NO.	PN=3503895	S PN=2529727(C)JN=GER	S PN=3906889(C) PI=USA or S PN=39945/67 for orig. application no.
FOREIGN EQUIVALENTS	FN=GB1120263 also BE,DT,FR,NL	Use CA Patent Concordance (File 43)	Orig. Pat. Appli. No. S PN=47-7612 S PN=39945/67 Display record
USPO CLASS CODES	CL=252 CL=252363 CL=252363500 also CL=252363500/OR or /XR	CL=C07C CL=C07CA61K	Not used
OTHER CLASSIF. CODES	—	CA Section & Subsections SC=CA023 SC=CA023003	INSPEC Section Class Codes. SC=C9980
COUNTRY OF PATENT APPLICATION	U.S. only	AC=SWISS AC=UC	PO=Italy
COUNTRY OF GRANTED PATENT	FN=GB etc. for all GB equivalents	JN=GER JN=GER.OFFEN. also CO=CAXXAX	PI=UK) PI=US)only PI=USA)
ANNOUNCEMENT DATES IN INDEX	LIMIT on accession numbers e.g. L2/7600001-7699999 or UD=7608 etc.	LIMIT on accession numbers L 10/85000001-869999999 or UD=8610	LIMIT on accession numbers L 7/833376- 8999999 or UD=76? UD=7611

	CLAIMS/CHEM & GEM FILES 23, 24	CA CONDENSATES FILES 2, 3	INSPC FILES 12, 13
PRIORITY AND APPLICATION DATES	PRIORITY DATE DISPLAYABLE ONLY	Application No. and Date and Issue Date Displayable Only	Filing Date and Priority Date displayable only
OTHER ITEMS	CR=78153680 for CA Abstract No. LIMIT 10/C for compositions /D for defensive /M machine or device /P process or prepn.	Use of Coden	Displayable abstract
Part B			
	NTIS FILE 6	WORLD ALUMINUM ABSTRACTS FILE 33	PREDICASTS F&S IDX AND MARKET ABS FILES 18, 16
TO SELECT ALL PATENTS	S CF=90 (for all US Govt. patents) S PATENTS (for all patents)	S PATENTS/DE	S EC=37 for patents, copyrights, trade secrets S EC=38 for licenses
FIELDS WITH SEARCHABLE KEYWORDS	TI,CS,DE,ID S SELF(W)LEARNING(W)MONITOR	TI, CS, DE, AB S ALUMINUM(W)FOIL	DE, AB S CELLOFAS S LIQUI(W)COLOR
ASSIGNEE	S DEPARTMENT(1W)NAVY/CS	S CO=INTERNATIONAL NICKEL?	S COLOR(W)SYSTEMS(W)GROUP S PATOU?
INVENTOR	E AU=ROGERS, PETER H then select	E AU=GOLDENBERG, S S AU=BRADFORD, ?	None
PATENT NO.	S RN=PAT S RN=PAT APPL-651-877	S PN=US 3,901,688 S PN=GERMAN 2446,933	None
FOREIGN EQUIVALENTS	Use File 43	Use File 43	None
US PO CLASS CODES	S PAT-CL-340? S PAT-CL-340-146.3 appears in ID field	Not Shown	None
OTHER CLASSIF. CODES	NTIS Category Codes S CF=92 S CF=92F	WAA Subject Category S SC-84	PRODUCT (SIC) CODES S PC=2865 S PN-PERFUMES?

(cont.)

Part B (cont.)

	NTIS FILE 6	WORLD ALUMINUM ABSTRACTS FILE 33	PREDICASTS F&S IDX AND MARKET ABS FILES 18, 16
COUNTRY OF PATENT APPLICATION	Mainly US		COUNTRY CODES OR NAMES S CC=4UK S CN=NORWAY
COUNTRY OF GRANTED PATENT	Mainly US	S PN=US? S PN=GERMAN? avoid if possible	Same as above?
ANNOUNCEMENT DATES IN INDEX	S UD=7618 S UD=76?	LIMIT on accession no. L 7/450000-549999 or S UD=76?	S UD=76-05 S UD=76?
PRIORITY & APPLICATION DATES	Filing date displayable	S PD=1975 (Issue date) Filing and application dates displayable only	S DT=73/05 S DT=76?
OTHER ITEMS	Displayable abstract. Complete copy available from NTIS. Major/Minor descriptors and identifiers.	Searchable Abstract Major/Minor descriptors	Searchable Abstract Major/Minor descriptors Mainly news items, e.g. patent suits, licenses sold, etc.