

NTIS

The National Technical Information Service

■ Contents:

The NTIS database covers all research carried out by around a hundred US federal government on agencies on behalf of the United States government.

The database contains technical reports, reprints, software and data files, subscriptions and bibliographies. Its multidisciplinary coverage includes the following topics:

- management and administration
- agriculture and food
- commerce economics
- energy
- environment
- health and biomedical science
- materials science
- mathematics
- physics and space technology

A growing part of the database comprises unpublished non-American documents obtained through international agreements.

■ Coverage:

From 1964.

- | | |
|-------------------------------|---|
| ■ Number of records: | Over 2 000 000 records |
| ■ Updating: | Bi-monthly |
| ■ Language of records: | English |
| ■ Cluster searching: | The NTIS database belongs to the predefined ENGINEER and SCITECH database clusters (FILE CL ENGINEER and FILE CL SCITECH). |
| ■ SDI profiles: | Every two weeks |
| ■ Document delivery: | Available using the ..OR command. |
| ■ Producer: | National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
U.S.A
Tel.: +1 703-487-4929
Fax: +1 703-487-4134
Help desk: +1 703-487-4640 |

Sample Record

1/1 - NTIS - (C) NTIS
AN - N88-25304/2/XAB
TI - Low-Loss, High-Isolation, Fiber-Optic Isolator.
OS - National Aeronautics and Space Administration, Pasadena, CA. Pasadena Office.
SPN - 064668001 ND894694
SO - Filed 31 Mar 88; 11pPrepared in cooperation with Jet Propulsion Lab., California Inst. of Tech., Pasadena.This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of application available NTIS.
IS - u1988-21; s1926-18
PR - NTIS Prices: PC A03/MF A01
LA - English; (ENG)
DT - Patent Application
RP - NASA-CASE-NPO-17207-1-CU
CG - NAS7-918
CC - 46C (PHYSICS--Optics and lasers); 49F (ELECTROTECHNOLOGY--Power and signal transmission devices); 90H (GOVERNMENT INVENTIONS FOR LICENSING--Optics and lasers)
IT - Patent applications*; Fiber optics*; Isolators*; Light transmission*; Transmission loss*; Asphericity; Faraday effect; Lenses; Optical coupling; Polarizers
AB - A low-loss, high-isolation, fiber-optic isolator for use in single-mode fiber systems utilizes a Faraday rotator and two polarizers, one at each end angularly oriented from each other at the angle of rotation for isolation, and two aspheric lens connectors to couple optical fibers to the Faraday isolator to reduce forward loss to about 2.5 dB and improve isolation to greater than 70 dB.
PN - USAPPL719 0185
PY - 1988

Searching

Basic Index (default index)

Search by	Index	Search Hints	Examples
Terms from the Basic Index	/BI (default)	All fields comprising the Basic Index Are searchable without using a prefix. Search using single terms, using truncation and search operators. Implied adjacency (phrase searching) and left-hand truncation are available on all Basic Index fields.	COUPLE W OPTICAL W FIBER? FIBER-OPTIC +SPHERIC 2D LENS??
Title	/TI	Search using single terms (operators) or phrases (implied adjacency).	/TI FIBER W OPTIC /TI LOW-LOSS
Abstract	/AB	Search using single terms (operators) or phrases (implied adjacency).	/AB POLARIZER? /AB HIGH-ISOLATION
Category words	/CW	Search using single terms (operators) or phrases (implied adjacency). Use the /CC index with the NBR, MEM and ..MEMS commands.	/CW OPTIC? AND LASER?
Index words	/IW	Search using single terms (operators) or phrases (implied adjacency). Use the /IT index with the NBR, MEM and ..MEMS commands.	/IW ISOLATOR? /IW FIBER W OPTIC?
CAS Registry Number	/RN	CAS registry numbers, assigned by the Chemical Abstracts Service, to chemical compounds featuring in the database since 1979. Search the number in the format: X-NN-N X = 1 - 5 digit number N = 1 digit	/RN 36734-19-7

Patent Related Data

Search by	Index	Search Hints	Examples
Inventor	/IN (or /AU)	<p>Search using single terms, with search operators and truncation or by phrases (implied adjacency) on an inventor name.</p> <p>Search for the surname only or by the surname followed by initial(s) without punctuation.</p> <p>If the initial is the letter D, P, S or W place this between quotation marks.</p> <p>To view the content of this index, type NBR /INN.</p>	<p>/IN LUTES</p> <p>/IN NUGENT "D"</p>
Patent assignee	/PA (or /AF, /OS)	<p>Search using single terms using search operators with truncation or by phrases (implied adjacency).</p> <p>To view the content of this index, type NBR /PAN.</p>	<p>/PA NATIONAL W AERONAUTIC?</p>
Application number	/AP (or /RP)	<p>This field contains the patent application number. Search with 6 or 7 digits.</p>	<p>/AP PAT-APPL</p> <p>/AP 7774490</p>
Patent number	/PN	<p>Search by patent number.</p>	<p>/PN USAPPL719+</p> <p>/PN US5660348</p>

Author and Source

Search by	Index	Search Hints	Examples
Author	/AU	<p>Search using single terms, with search operators and truncation or by phrases (implicit adjacency) on an author name.</p> <p>Search for the surname only or by the surname followed by initial(s) without punctuation. If the initial is the letter D, P, S or W, place this between quotation marks.</p> <p>To view the contents of this index, type NBR /AUN.</p>	<p>/AU LAURITZEN</p> <p>/AU GOLDBERG "S"</p>
Author affiliation	/OS (or /AF, /PA)	<p>Search using single terms with search operators and truncation or by phrases (implied adjacency).</p> <p>To view the contents of this index, type NBR /OSN.</p>	/OS ENVIRON+ PROTECTION AGENCY
Source	/SO	<p>This field contains the name of the source, the ISSN and ISBN numbers, volume and page numbers, the source town and the date.</p> <p>Search using single terms with search operators and truncation or by phrases (implied adjacency).</p>	<p>/SO CALIFORNIA W INST+ 1W TECH+</p> <p>/SO ISSN 0253-5270 /SO 0253-5270 /SO 02535270</p> <p>/SO PASADENA</p>
Issue number	/IS	<p>Search in the format: LYYYY-NN L : letter YYYY : 4-digit year NN : 2-digits</p>	<p>/IS U1988-21</p> <p>/IS S1926-18</p>
NTIS price code	/PR	<p>Search by: - the code - the price in US dollars</p>	<p>/PR A03 /PR PC\$21.00</p>
Language	/LA	<p>Search by: - the English spelling of the language, - 3-letter ISO code (XE for Non-Englsh) (see list of language codes on page 10)</p>	<p>/LA ENGLISH</p> <p>/LA FRE /LA XE</p>
Type of document	/DT	<p>Search using single terms with search operators and truncation or by phrases (implied adjacency).</p>	<p>/DT PATENT</p> <p>/DT TECHNICAL W REPORT</p>
Publication year	/PY	<p>Search by 4-digit year. Use numeric operators: >, <, >=, <=, =.</p>	<p>PY=1988</p> <p>PY>1997</p>

Numbers

Search by	Index	Search Hints	Examples
Accession number	/AN	Search by identification number from the "Government Reports, Announcements and Index" and sequential NTIS number.	/AN N88-25304/2/XAB /AN USIP-0039/XAB /AN DE95015749/XAD
Sponsor number	/SPN	Search by sponsor number: - the complete number or - the first part of the number Do not use search operators.	/SPN 064668001 ND894694 /SPN 064668001
Report number	/RP (or /AP)	This field contains the report number or ISBN/ISSN numbers. Do not use search operators.	/RP ISBN 1-878379-31-3 /RP 1-878379-31-3 /RP 1878379313
Contract number	/CG	Search using the full contract code or on the first part of the code	/CG NAS7-918 /CG NAS7
Project number	/PJN	Search by project number without truncation or search operators.	/PJN CTR-7-987
Task number	/TN	Search by task number. Truncation may be used.	/TN AF+ /TN AF-736704
Number Super-index	/NU	This field groups together the accession number (AN), contract number (CG), project number (PJN), task number (TN), sponsor number (SPN), report number (RP) indexes. Search any of these numbers without spaces or hyphens.	/NU N88253042XAB /NU CTR7987
Update code	/UP	Search by update code in the format: YYYY-WW YYYY+ Do not use numeric operators.	/UP 1999-10 /UP 1999+

Keywords

Search by	Index	Search Hints	Examples
Category codes	/CC	<p>Search by:</p> <ul style="list-style-type: none"> - category keywords <p>When you use a keyword which contains the AND word, enter it between quotes.</p> <ul style="list-style-type: none"> - the full code (NNL) - the truncated code <p>To weight a search term, use an asterisk.</p>	<p>/CC OPTICS "AND" LASERS</p> <p>/CC 46C</p> <p>/CC 46?</p> <p>/CC 46A*</p>
Index terms	/IT	<p>Search index terms exactly as written.</p> <p>When you use an Index Term which contains the AND word, enter it between quotes.</p> <p>The most important terms are highlighted with an asterisk.</p>	<p>/IT PATENT APPLICATIONS</p> <p>/IT LENSES</p> <p>/IT RESEARCH "AND" DEVELOPMENT</p> <p>/IT FIBER OPTICS*</p>

Document Display

Fields	Formats			
	SCAN (or SC)	MAX (or FULL, FU)	STDR	TEST (or TR)
AB		✓		
AN	✓	✓	✓	✓
AU		✓	✓	
CC		✓		✓
CG		✓		
DT		✓		
IS		✓		
IT		✓		✓
LA		✓		
OS		✓	✓	
PJN		✓		
PN		✓	✓	
PR		✓		
PY		✓		
RN			✓	
RP		✓		
SO		✓	✓	
SPN		✓		
TI	✓	✓	✓	✓
TN		✓		

- The UP (update code) field does not form part of any predefined display format. To view this field, specify the field (PRT UP) or add the field to another display format (LI MAX PLUS UP).

List of Fields

All these fields may be used with the PRT, LI, BR and =YES commands.

AB	Abstract
AN	Accession number
AU	Author or Inventor (=IN)
CC	Categories
CG	Contract number
DT	Type of document
IS	Issue number
IT	Index Terms
LA	Language
NU	Numbers
OS	Author affiliation or patent assignee (=PA)
PJN	Project number
PN	Patent number
PR	NTIS price code
PY	Publication year
RN	CAS registry number
RP	Report number or application number (=AP)
SO	Source
SPN	Sponsor number
TI	Title
TN	Task number
UP	Update code

List of Language Codes (/LA)

ARA	ARABIC
BUL	BULGARIAN
CHI	CHINESE
DAN	DANISH
DUT	DUTCH
ENG	ENGLISH
FIN	FINNISH
FRE	FRENCH
GER	GERMAN
GRE	GREEK
HUN	HUNGARIAN
IND	INDONESIAN
ITA	ITALIAN
JPN	JAPANESE
KOR	KOREAN
NOR	NORWEGIAN
PER	PERSIAN
POL	POLISH
POR	PORTUGUESE
RUM	ROMANIAN
RUS	RUSSIAN
SCR	SERBO-CROATIAN
SPA	SPANISH
SWE	SWEDISH
TUR	TURKISH
XE	NON-ENGLISH