

IFIUDB (IFI Uniterm Database)

Subject Coverage	<ul style="list-style-type: none"> • Biomedical Technology • Chemistry • Electromagnetic Technology • Engineering • Medicine • Nuclear Science • Telecommunications 																																										
File Type	Bibliographic																																										
	Note: Usage Restrictions - Access to IFIUDB by non-subscribers is restricted to two hours per year combined usage on all vendors.																																										
Features	<table border="0"> <tr> <td>Thesauri</td> <td colspan="5">Controlled term (/CT) Thesaurus</td> </tr> <tr> <td></td> <td colspan="5">Uniterm (/UN) Thesaurus</td> </tr> <tr> <td></td> <td colspan="5">International Patent Classification (/IPC) Thesaurus</td> </tr> <tr> <td>Alert (SDIs)</td> <td colspan="5">Every update, weekly, or monthly (monthly is the default)</td> </tr> <tr> <td>CAS Registry Numbers®</td> <td><input checked="" type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> <td>STN AnaVist</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> <td>STN Easy</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> <td>STN Viewer</td> <td><input type="checkbox"/></td> </tr> </table>	Thesauri	Controlled term (/CT) Thesaurus						Uniterm (/UN) Thesaurus						International Patent Classification (/IPC) Thesaurus					Alert (SDIs)	Every update, weekly, or monthly (monthly is the default)					CAS Registry Numbers®	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	STN AnaVist	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	STN Easy	<input checked="" type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>
Thesauri	Controlled term (/CT) Thesaurus																																										
	Uniterm (/UN) Thesaurus																																										
	International Patent Classification (/IPC) Thesaurus																																										
Alert (SDIs)	Every update, weekly, or monthly (monthly is the default)																																										
CAS Registry Numbers®	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	STN AnaVist	<input type="checkbox"/>																																						
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	STN Easy	<input checked="" type="checkbox"/>																																						
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>																																						
Record Content	<ul style="list-style-type: none"> • Front page, bibliographic data, abstract and claims from U.S. patents • Standard bibliographic and patent data; USPTO Classifications (original and cross references), and issue dates. Front page patent abstracts, application data, priority data, and International Patent Classification (IPC) codes • A thesaurus-like feature is present for the Controlled Term (/CT) and Uniterm (/UN) search fields 																																										
File Size	More than 8.61 million records (2/12)																																										
Coverage	Chemical and chemically related patents are covered from 1950 to the present. Design patents are covered from 1980 to the present. In addition, US applications published since March 15, 2001, are also included.																																										
Updates	Twice a week																																										
Language	English																																										
Database Producer	IFI CLAIMS® Patent Services, a division of Fairview Research LLC P.O. Box 1148, Madison, CT 06443 Phone: (203) 779-5301 Fax: (203) 583-4521 E-mail: info@ificlaims.com Copyright Holder																																										

Sources	United States patents issued by the U.S. Patent and Trademark Office since 1950 and announced in the U.S. Patent Office Official Gazette.
User Aids	<ul style="list-style-type: none">• Online Helps (HELP DIRECTORY lists all help messages available)• STNGUIDE• Assignee List (available from the producer)• Compound Term List (available from the producer)• Fragment Terms List (available from the producer)• Thesaurus of General Terms (available from the producer)
Clusters	None
Pricing	See the STN Price List or enter HELP COST at an arrow prompt (=>).

Search and Display Field Codes

Fields that allow left truncation are indicated with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), abstract (AB), patent claims (ECLM, ACLM), government interest statement (GOVI), botanical information (BOTI), graphics information (GI), and note (NTE) fields, as well as CAS Registry Numbers (RN))	None (or /BI)	S ACETAL? S GOLF(A)CLUB AND DESIGN S SOFTWARE/BI S ELEVATION VIEW# S ROSA HYBRIDA S GRANT NUMBER S INDEXED FROM APPLICATION S 50-02-2 S ?POLAR?	AB, ACLM, BOTI, ECLM, GI, NTE, RN, TI
Abstract *	/AB	S MODEL?/AB S ?ACTION?/AB	AB
Accession Number (1)	/AN	S 2758301/AN	AN
Agent (Legal Representative)	/AG (or /LREP)	S SPENCER & FRANK/AG	AG
Application Country (2)	/AC	S US/AC AND 2000/AY S WO/AC	AI
Application Date (1,2)	/AD	S 19770603/AD S JUN 3 1997/AD	AI
Application Number (2,3)	/AP	S US1996-609476/AP S 1996US-609476/AP S WO1991-AU272/AP	AI
Application Year (1,2)	/AY	S 1999/AY	AI
Art Unit (1)	/ARTU	S 123/ARTU	ARTU
Claims*	/CLM	S ?DRUG?/CLM	ECLM, ACLM
Controlled Term (4)	/CT	S ACETIC ACID/CT	CT
Controlled Term, Business Methods	/CT.BM	S PACKAGE TRACKING/CT.BM	CT
Disclaimer Date (1)	/DCD	S DCD>=20020100	DCD
Document Type (code and text)	/DT (or /TC)	S REISSUE/DT S RR/DT S PATENT APPLICATION?/DT	DT
Entry Date (1)	/ED	S L1 AND ED>=20020700	ED
Examiner Name	/EXNAM	S ROBERTS?/EXNAM	EXNAM
Examiner's Field of Search	/EXF	S 430123000/EXF	EXF
Expiration Date (1)	/XPD	S L1 AND XPD>=19980100	XPD
Expiration Year (1)	/XPY	S L1 AND XPY>=1999	XPD
Family Member Country	/FC	S DE/FC	FI
Family Member Date (1)	/FD	S 20000104/FD	FI
Family Member Number (3)	/FN	S US30870/FN S US--30870/FN	FI
Family Member Year (1)	/FY	S FY>1998	FI
Field Availability	/FA	S L1 AND CLM/FA S AB/FA AND L7	Not displayed
File Segment (code and text)	/FS	S CHEMICAL/FS S C/FS S (C AND OS)/FS S L1 AND APPLICATION/FS S (CE AND GRANTED)/FS	FS
Fragment Code (4)	/FG	S 37730/FG (L) 30/RL	FG
International Patent Classification (IPC)(includes Main and Secondary IPCs)	/IC	S A24B/IC	IC, ICM, ICS
Inventor (includes location)	/IN (or /AU)	S FLINT?/IN S FLINT ALAN G/IN S (GREEN, A? (S) GB)/IN	IN
Inventor in Nonstandard Format (includes location)	/INF	S CREETH/INF S (GLASSER (S) VA)/INF	INF

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
IPC Action Date (1)	/IPC.ACD	S 20061228/IPC.ACD	IPC, IPC.TAB
IPC Keyword	/IPC.KW	S ADVANCED/IPC.KW	IPC, IPC.TAB
IPC Old (IC, ICM, ICS)	/IPC.OLD	S A24B/IPC.OLD	IPC, IPC.TAB
IPC Version	/IPC.VER	S 20060101/IPC.VER	IPC, IPC.TAB
IPC, Initial	/IPCI	S A61K0009-14/IPCI	IPCI
IPC, Main	/ICM	S A01N001/ICM	IC, ICM
		S A01N-001/02/ICM	
IPC, Main Group, Range-Searchable (1)	/MGR	S 10-20/MGR (S) C07C/IC	IC, ICM, ICS
IPC, Reclassified	/IPCR	S A61K0009-14/IPCR	IPCR
IPC, Secondary	/ICS	S A01G027/ICS	IC, ICS
IPC, Subgroup, Range-Searchable (1)	/SGR	S SGR=>30000(S)C01B031/IC	IC, ICM, ICS
Issue National Patent Classification Code	/INCL	S 424093100/INCL	INCL
Issue Main National Patent Classification Code	/INCLM	S 424234100/INCLM	INCLM, INCL
Issue Secondary National Patent Classification Code	/INCLS	S 424200100/INCLS	INCLS, INCL
Language (code and text)	/LA	S EN/LA AND ABBOTT?/EXNAM	Not displayed
Main National Patent Classification Code	/NCLM	S 003001000/NCLM	NCL, NCLM
National Patent Classification Code (includes main and secondary NCLs)	/NCL	S 002002500/NCL	NCL, NCLM, NCLS
National Patent Classification, Range-Searchable (1)	/NCLR	S 2002000-20640000/NCLR	NCL, NCLM, NCLS
Note	/NTE	S APPLICATION/NTE	NTE
Number of Claims (1)	/CLMN	S 10-13/CLMN	CLMN
Number of Patents Citing This Patent	/PNC.G	S PNC.G>5	PI
Other Source	/OS	S CA/OS	OS
Patent Assignee (Probable)	/PPA	S ABBOTT/PPA	PPA
Patent Assignee (5) (includes patent assignee code)	/PA (or /CS)	S ABBOTT?/PA	PA
		S MERRELL DOW/PA	S 152/PA
Patent Assignee in Nonstandard Format (includes location)	/PAF	S LEINER/PAF	PAF
		S NUTRITIONAL PRODUCTS/PAF	
		S (HEWLETT-PACKARD(S)CA)/PAF	
Patent Country (2)	/PC	S US/PC AND PY>1999	PI
		S WO/PC	
Patent Kind Code	/PK	S A1/PK	PI
Patent Number (2,3)	/PN	S US30843/PN	PI
		S US--30843/PN	
		S WO9200563/PN	
		S US2002026659/PN	
Patent Number/Kind Code	/PNK	S US30843/PNK	PNK
Priority Country	/PRC	S DE/PRC	PRAI
Priority Date (1)	/PRD	S 19950109/PRD	PRAI
Priority Number (3,6) (includes provisionals)	/PRN	S DE1998-29801192/PRN	PRAI
		S US2000-142974P/PRN	
Priority Year (1)	/PRY	S 1995-2000/PRY	PRAI
Publication Date (1)	/PD	S 20020702/PD	PI
Publication Year (1)	/PY	S 2001-2002/PY	PI
Reference Non-Patent Information	/REN	S XEROGRAPHY/REN	REN
Reference Patent Classification	/RPCL	S D01101000/RPCL	REP
Reference Patent Country	/RPC	S AU/RPC	REP
Reference Patent Inventor	/RPIN	S PETROPOULOS?/RPIN	REP
Reference Patent Number (7)	/RPN	S AT24742/RPN	REP
Reference Patent Publication Date (1)	/RPD	S JUL 1990/RPD	REP
Reference Patent Publication Year (1)	/RPY	S 1995-1998/RPY	REP
Related Application Country	/RLC	S US/RLC	RLI
Related Application Date (1)	/RLD	S 19790407/RLD	RLI

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Related Application Number (3)	/RLN	S US1956-626211/RLN S 1956US-0626211/RLN	RLI
Related Application Type (code and text)	/RLT	S CIP/RLT S CONTINUATION-IN-PART/RLT	RLI
Related Application Year (1)	/RLY	S 1988-1990/RLY	RLI
Related Patent Number (3)	/RLPN	S US3753535/RLPN	RLI
Related Publication Indicator (code and text)	/RLP	S ABD/RLP S ABANDONED/RLP	RLI
Secondary National Patent Classification Code	/NCLS	S 021054000R/NCLS	NCL, NCLS
Term of Patent (1)	/PTERM	S 13-15/PTERM	PTERM
Title*	/TI	S EPOXY TAPE/TI	TI
Uniterm (4)	/UN	S 00032/UN	CT, UN
Uniterm Registry Number	/URN	S 50-00-0/URN	URN
Update Date (1)	/UP	S L1 AND UP>20020000	ED

- (1) Numeric search field that may be searched with numeric operators or ranges.
(2) Data for PCT applications have been available in this field since late 1993; prior to 1993, PCT information is included in the abstracts.
(3) Either STN format or Derwent format may be used.
(4) There is a thesaurus-like feature available in this field. When you search a term in this field, the code and text are displayed automatically.
(5) Search with implied (S) proximity is available in this field.
(6) U.S. Provisional Priority Applications are searched only with the P appended.
(7) Only non-US patent numbers are searchable in this field.

Super Search Fields

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Patent Application Group (1)	/APPS	/AP, /PRN, /RLN	S US56-626454/APPS S 56US-0626454/APPS	AI, PRAI, RLI
Patent Assignee Group	/PASS	/PA, /PAF, /PPA	S ABBOTT/PASS	PASS
Patent Countries	/PCS	/FC, /PC, /RPC	S DE/PCS	FI, PI, REP
Patent Numbers Group (1)	/PATS	/FN, /PN, /RPN	S US102601/PATS S US0102601/PATS	FI, PI, REP

- (1) Either STN format or Derwent format may be used.

Controlled Term (/CT) Thesaurus

A thesaurus-like feature is available in the Controlled Term (/CT) field. When you search a term in this field, the code and the text are automatically displayed. To view the code and text, use the ALL Relationship Code in the EXPAND command.

Code	Content	Example
ALL	Code and Text (SELF, UN)	E ACID CATALYSTS+ALL/CT

Uniterm (/UN) Thesaurus

A thesaurus-like feature is available in the Uniterm (/UN) field. When you search a term in this field, the code and the text are automatically displayed. To view the code and text, use the ALL Relationship Code in the EXPAND command.

Code	Content	Example
ALL	Code and Text (SELF, CT)	E 00032+ALL/UN

IPC Thesaurus

IPC Thesaurus: The classifications and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-7, use the field code followed by the edition number, e.g., /IPC2, for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th editions.

All relationship codes can be used with both the SEARCH and EXPAND commands.

Relationship Code	Content	Example
ADVANCED (ADV)	Advanced Codes for the Core Level IPC code	E A61K0006-02+ADV/IPC
ALL BRO (MAN) BT CORE (COR) ED HIE INDEX KT NEXT NT PREV RT (SIB) TI	All Associated Terms (BT, SELF, NT, RT) Complete Class Broader Terms (SELF, BT) Core Codes for the Advanced Level IPC code Complete title of the SELF term and IPC manual edition Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT) Complete title of the SELF term Keyword Terms (catchwords) (SELF, KT) Next Classification Narrower Terms (SELF, NT) Previous Classification Related Terms (SELF, RT) Complete Title of the SELF Term and Broader Terms (BT, SELF)	E H01B0001-06+ALL/IPC E H01B0017-54+BRO/IPC E C01F0001-00+BT/IPC E C03B0001-00+CORE/IPC E C01F0001-00+ED/IPC E C01C0003-00+HIE/IPC E C01F0001-00+INDEX/IPC E INJECTION+KT/IPC E C01C0001-00+NEXT5/IPC E C01C+NT/IPC E C01C0001-12+PREV10/IPC E C01C0003-20+RT/IPC E C01F0001-00+TI/IPC

DISPLAY and PRINT Formats

Any combination of display formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L3 1-10 TI,AB. The fields are displayed in the order requested.

Hit-term highlighting is available in all fields except AI, CDAT, FI, PI, PRAI, REP, RLI, UN, and XPD. Highlighting is set ON by default and must be ON when SEARCH is performed in order to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D 1-3 AB
AG, (LREP)	Agent (Legal Representative)	D 4 9 AG
AI (AP) (1)	Application Information	D L3 5-7 AI
AN (2)	Accession Number	D L3 AN 1-5
ARTU (2)	Art Unit	D ARTU L8
BOTI	Botanical Information	D BOTI
CDAT	Correction Date	D CDAT
CLMI	Independent Claim Numbers	D CLMI
CLMN	Number of Claims	D 4 CLMN EXF
CT (2)	Controlled Term	D 1-3 CT L4
DCD	Disclaimer Date	D L3 6,8 DCD
DT (TC)	Document Type	D 1-4 DT
ECLM	Exemplary Claim	D L9 ECLM 3-6
ED	Entry Date	D ED
EXF (2)	Examiner's Field of Search	D EXF 2,6-10

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
EXNAM	Examiner Name	D 7 L3 EXNAM
FI (FN) (1) FS	Family Information File Segment	D 1-5, 10 FI D 1,5,8 FS
GI	Graphics Information	D GI 4-8,11
GOVI	Government Interest	D L14 GOVI
ICM (2)	IPC, Main	D 1-4 L2 ICM
ICS (2)	IPC, Secondary	D 5-6 L1 ICS
IN (AU)	Inventor (INF, IN)	D L4 1-6 IN
INCLM	Issue Main National Patent Classification Code	D INCLM
INCLS	Issue Secondary National Patent Classification Code	D INCLS
IPC.HIT	HIT IPC codes	D IPC.HIT
IPC.UNIQ	Unique IPC codes in record	D IPC.UNIQ
IPCI	IPC Initial	D IPCI
IPCR	IPC Reclassified	D IPCR
MFN (3)	Microfilm Frame Number (includes MRN)	D MFN
MRN (3)	Microfilm Reel Number (includes MFN)	D MRN
NCLM (2)	Main National Patent Classification Code	D L5 1-4 NCLM
NCLS (2)	Secondary National Patent Classification Code	D 1,5 L4 NCLS
NTE	Note	D NTE
OS	Other Source	D 2,5 OS
PA (CS)	Patent Assignee (PAF, PA)	D L2 1-3 PA
PARN	Parent Case Data	D 1-3 PARN
PI (PN) (1)	Patent Information	D 1,5,10 PI
PNK	Patent Number/Kind Code	D PNK
PPA	Patent Assignee (Probable)	D PPA
PRAI	Priority Information	D PRAI
(PRN) (1)		
PTERM	Term of Patent	D PTERM 5
REN	Reference Non-Patent Information	D 2 7 REN
REP (RPN) (1)	Reference Patent Information	D 6,12 L1 REP
RLI (RLN) (1)	Related Application Information	D 1-2 RLI
RN (2)	CAS Registry Number	D 1-5 RN
TI (2)	Title	D TI
UN (2)	Uniterm	D UN
URN (2)	Uniterm CAS Registry Number	D 1-4 URN
XPD	Expiration Date	D XPD
ABS ALL (1,3)	AB, NTE, CLMN AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, GOVI, MRN, MFN, AB, NTE, BOTI, CLMN, GI, ECLM, ACLM, REP, REN, NCL (NCLM, NCLS), IC (ICM, ICS), EXF, ARTU, RN	D ABS D 3 ALL
ALLTX (1,3)	ALL, including text for UN	D ALLTX 3- 5
APPS (1)	AI, RLI, PRAI	D APPS
BIB (1,3)	AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, GOVI, MRN, MFN, NTE, BOTI, CLMN	D 1,4-6 BIB
CBIB (1,3)	AN, Compressed Bibliographic Data	D CBIB
CLM	Claims (ECLM, ACLM)	D CLM
DALL (1,3)	ALL, delimited for post processing	D DALL
IABS (1,3)	AB with a text label and CLMN, indented with text labels	D 5 IABS
IALL (1,3)	ALL, indented with text labels	D IALL 5

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
IBIB (1,3) IC (2) ICLM IIND (2) INCL IND (2) INDTX (2) IPC (2) IRE (1) ISBIB (1,3) ISTD (1,3) ISTDN (1,3) ITRIAL (2) NCL (2) PASS PATS (1) RE (1) SBIB (1,3) STD (1,3) STDN (1,3) TRIAL (2) (TRI, SAM, FREE)	BIB, indented with text labels International Patent Classification (ICM, ICS) CLM with text labels IND, indented with text labels Issue National Patent Classification Code (INCLM, INCLS) NCL (NCLM, NCLS), IC (ICM, ICS), EXF, ARTU, RN, UN, URN IND, including text for UN and FG International Patent Classification (ICM, ICS, IPCI, IPCR) RE, indented with text labels SBIB, indented with text labels STD, indented with text labels STDN, indented with text labels TRIAL, indented with text labels National Patent Classification Code (NCLM, NCLS) PA, PAF, PPA PI, RLI, FI, REP REP, REN AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, BOTI, MRN, MFN, CLMN, (SBIB is the default) AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, MRN, MFN, NCL (NCLM, NCLS), IPC (ICM, ICS, IPCI, IPCR) AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, FS, CDAT, OS, ED, MRN, MFN, AB, NTE, BOTI, CLMN, ECLM, NCL (NCLM, NCLS), IPC (ICM, ICS, IPCI, IPCR) AN, TI, CLMN, NCL (NCLM, NCLS), IPC (ICM, ICS, IPCI, IPCR), RN, UN, URN	D CLM IBIB D 3,5,7 IC D ICLM TI 4 D 1,6 IIND IRE D INCL D L2 1-20 IND D L3 4 INDTX D 2-5 IRE D L3 ISBIB D ISTD D ISTDN D TRIAL D NCL D PASS D PATS D RE 8,11 D SBIB 3 L2 D STD D L2 STDN 1-4 D TRIAL TOTAL
FP (1) FPALL (1) FPBIB (1) FPSTDN (1)	Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN, EXNAM, AG, GOVI, AB, CLMN, GI Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, IPC (ICM, ICS, IPCI, IPCR), NCL (NCLM, NCLS), EXF, REP, REN, EXNAM, AG, GOVI, AB, CLMN, GI, ECLM, ACLM Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, EXNAM, AG, GOVI, CLMN Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN, EXNAM, AG, GOVI, AB, CLMN, ECLM, NCL (NCLM, NCLS), IPC (ICM, ICS, IPCI, IPCR)	D L3 FP 12 D 1 4 FPALL D FPBIB 6 D FPSTDN L8
HIT KWIC OCC (2)	Fields containing hit terms Hit terms with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC NOH D OCC

(1) By default, patent, application, and priority numbers are displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter SET PATENT STN.

(2) No online display fee for this format.

(3) MRN and MFN data available from 1979 to the present.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT(1)	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Agent (Legal Representative)	AG	Y (3)	Y
Application Information	AI	Y (4,5,6)	Y
Application Country	AC	Y (4)	Y
Application Date	AD	Y (4)	Y
Application Number	AP	Y (4,6)	Y
Application Number Group	APPS	Y (4,6,7)	N
Application Year	AY	Y (4)	N
Art Unit	ARTU	N	Y
Author (Inventor)	AU	Y	Y
Botanical Information	BOTI	Y (2)	N
CAS Registry Number	RN	Y	N
Controlled Term	CT	Y	N
Corporate Source (Patent Assignee)	CS	Y	Y
Disclaimer Date	DCD	Y	Y
Document Type	DT	Y	Y
Examiner Name	EXNAM	Y	N
Examiner's Field of Search	EXF	Y	Y
Expiration Date	XPD	Y (4)	Y
Expiration Year	XPY	Y (4)	Y
Family Member Country	FC	Y (4)	N
Family Member Date	FD	Y (4)	N
Family Member Information	FI	Y (4,6,8)	N
Family Member Number	FN	Y (4,6)	N
Family Member Year	FY	Y (4)	N
File Segment	FS	Y	Y
Inventor	IN	Y	Y
Inventor in Nonstandard Format	INF	Y	N
IPC	IPC	Y (9)	N
	IC	Y (10)	Y
IPC Hit IPC codes	IPC.HIT	Y (9)	Y
IPC Unique IPC codes in record	IPC.UNIQ	Y (9)	Y
IPC, Initial	IPCI	Y (9)	N
IPC, Main	ICM	Y	Y
IPC, Reclassified	IPCR	Y (9)	N
IPC, Secondary	ICS	Y	Y
Issue National Patent Classification Code	INCL	Y	Y
Issue Main National Patent Classification Code	INCLM	Y	Y
Issue Secondary National Patent Classification Code	INCLS	Y	N
Legal Representative (Agent)	LREP	Y	Y
Main National Patent Classification Code	NCLM	Y	Y
Microfilm Frame Number	MFN	N	Y
Microfilm Reel Number	MRN	N	Y
National Patent Classification Code	NCL	Y (11)	Y
Note	NTE	Y (2)	N
Number of Claims	CLMN	N	Y
Occurrence of Hit Terms	OCC	N	Y
Other Source	OS	Y	Y
Parent Case Data	PARN	Y (2)	N
Patent Assignee	PA	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT(1)	SORT
Patent Assignee Code	PACO	Y	N
Patent Assignee Group	PASS	Y	N
Patent Assignee in Nonstandard Format	PAF	Y	N
Patent Assignee (Probable)	PPA	Y	Y
Patent Country	PC	Y (4)	Y
Patent Countries Group	PCS	Y (4,13)	N
Patent Information	PI	Y (4,6,12)	Y
Patent Number	PN	Y (4,6)	Y
Patent Number Group	PATS	Y (4,6,14)	N
Patent Number/Kind Code	PNK	Y	N
Priority Country	PRC	Y (4)	Y
Priority Date	PRD	Y (4)	Y
Priority Information	PRAI	Y (4,6,15)	Y
Priority Number	PRN	Y (4,6)	Y
Priority Year	PRY	Y (4)	N
Publication Date	PD	Y (4)	Y
Publication Year	PY	Y (4)	Y
Reference Patent Classification	RPCL	Y (4)	N
Reference Patent Country	RPC	Y (4)	N
Reference Patent Information	REP	Y (4,6,16)	N
Reference Patent Inventor	RPIN	Y (4)	N
Reference Patent Number	RPN	Y (4,6)	N
Reference Patent Publication Date	RPD	Y (4)	N
Related Application Country	RLC	Y (4)	N
Related Application Date	RLD	Y (4)	N
Related Application Information	RLI	Y (4,6,17)	N
Related Application Number	RLN	Y (4,6)	N
Related Application Type	RLT	Y (4)	N
Related Application Year	RLY	Y (4)	N
Related Patent Number	RLPN	Y (4)	N
Secondary National Patent Classification Code	NCLS	Y	N
Term of Patent	PTERM	N	Y
Title	TI	Y (default)	Y
Treatment Code	TC	Y (18)	Y
Uniterm	UN	Y (4)	N
Uniterm Registry Number	URN	Y	N

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT RN.
- (2) Appends /BI to the terms created by SELECT.
- (3) Appends /LREP to the terms created by SELECT.
- (4) SELECT HIT and ANALYZE HIT are not valid with this field.
- (5) Selects or analyzes the application number with /AP appended to the terms created by SELECT.
- (6) Enter SET PATENT DERWENT at an arrow prompt (=>) to extract patent, application, priority, family, reference patent, and related application numbers in Derwent format.
- (7) Selects or analyzes application, priority, and related application numbers with /APPS appended to the terms created by SELECT.
- (8) Selects or analyzes family numbers with /FN appended to the terms created by SELECT.
- (9) Selects or analyzes all IPC codes with /IPC appended to the terms created by SELECT.
- (10) Selects or analyzes ICM and ICS with /IC appended to the terms created by SELECT.
- (11) Selects or analyzes NCLM and NCLS with /NCL appended to the terms created by SELECT.
- (12) Selects or analyzes the patent numbers with /PN appended to the terms created by SELECT.
- (13) Selects or analyzes the patent countries from PI, FI, and REP fields with /PCS appended to the terms created by SELECT.
- (14) Selects or analyzes the patent numbers from PI, FI, and REP fields with /PATS appended to the terms created by SELECT.
- (15) Selects or analyzes the priority numbers with /PRN appended to the terms created by SELECT.
- (16) Selects or analyzes the reference patent numbers with /RPN appended to the terms created by SELECT.
- (17) Selects or analyzes the related application numbers with /RLN appended to the terms created by SELECT.
- (18) Appends /DT to the terms created by SELECT.

Full-Text Browsing

User Request	Example	System Response
DISPLAY BROWSE	=> DISPLAY BROWSE ENTER (L1) OR L#:. ENTER (DIS), ANSWER NUMBERS, OR END:	NOVICE version
D BRO Answer number(s) Answer number(s) and format Format only *Format Forward n fields Backward n fields Search forward for a character string Search backward for a character string End DISPLAY BROWSE	=> D BRO L1 :1-3 :. :4 HIT :TI TX :*KWIC :F3 :B1 :S GROWTH REGUL :S :S- ALKANOIC ACID :S- :END =>	EXPERT version display answers 1, 2, and 3 in default format display next answer in default format display answer 4 in HIT format display title and text of last answer displayed change default to KWIC; no answer displayed move forward 3 fields move backward 1 field search forward within record for 'growth regul' repeat search forward for the current string search backward within record for 'alkanoic acid.' repeat search backward for the current string exit DISPLAY BROWSE and return to => prompt

12

IFIUDB

Sample Records

EXPAND in /CT Thesaurus

```
=> E POLYISOBUTYLENE+ALL/CT
E1      6140    -->  POLYISOBUTYLENE/CT
                UN    04220
*****  END  *****
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EXPAND in /UN Thesaurus

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=> E 04220+ALL/UN
E1      6140    -->  04220/UN
                CT    POLYISOBUTYLENE
*****  END  *****
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DISPLAY SBIB

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AN      10139865  IFIPAT;IFIUDB;IFICDB
TI      BASIDIOMYCETE PEROXIDASE GENE-TRANSFERRED PLANT AND A METHOD FOR
        DECOMPOSING AND REMOVING HAZARDOUS CHEMICALS USING THE SAME;
        TRANSGENIC PLANTS FOR USE IN REMOVING HAZARDOUS CHEMICALS FROM
        THE ENVIRONMENT
IN      Iimura Yosuke (JP); Katayama Yoshihiro (JP)
PA      Agency of Industrial Science & Technology JP
PI      US 2002083492  A1  20020627
AI      US 2000-748264      20001227
PRAI   JP 2000-2000223653  20000726
FI      US 2002083492      20020627
        US 6642439         20031104
DT      Utility; Patent Application - First Publication
FS      CHEMICAL
FS      APPLICATION
ED      Entered STN: 28 Jun 2002
        Last Updated on STN: 23 Mar 2003
CLMN   5
```

DISPLAY FPALL

United States Patent

Patent Number: 6413640

Kind Code: B1

Date of Patent: 20020702

CARBON FIBER COMPOSITE MATERIALS; FIBERS IN A SILICON/SILICON CARBIDE MATRIX:
FOR USE AS AEROSPACE MATERIALS WITH LOW OXYGEN-INDUCED MASS LOSS AND HIGH
DURABILITY

Inventor(s): Hanzawa; Shigeru, Kagamigahara, JP

Nakano; Kenji, Tokai, JP

Assignee: NGK Insulators, Ltd., Nagoya, JP

Appl. No.: US 2000-499004

Filed: 20000204

Priority Data

JP 1999-31979 19990209

JP 1999-313788 19991104

JP 2000-20003499 20000112

Int. Cl. B32B009-00

U.S. Cl. 428408000; 428293100; 428293400; 428409000; 428688000;
428689000

Field of Search ... 428293100; 428293400; 428293700; 428408000; 428409000;
428688000; 428689000; 428898000

FOREIGN PATENT DOCUMENTS

Patent Number	Date	Class
EP 1028099	Aug 2000	
GB 1457757	Dec 1976	
WO 9919273	Apr 1999	

Primary Examiner - Jones, Deborah

Assistant Examiner - Bahta, Abraham

Attorney, Agent or Firm - Burr & Brown

ABSTRACT

Provided are carbon fiber composite materials which have a structure including a skeletal part and a matrix formed integrally around the skeletal part. The skeletal part is mainly composed of carbon fiber bundles and silicon carbide and metallic silicon formed in the carbon fiber bundles and/or on the outer surface of the carbon fiber bundles. The matrix is mainly composed of silicon carbide and metallic silicon. Alternatively, the carbon fiber composite materials have a structure including a skeletal part and a matrix formed integrally around the skeletal part and have a porosity of 0.5-5% and a two-peak type distribution of average pore diameter. The skeletal part is formed of carbon fibers and a carbon component other than the carbon fibers and/or silicon carbide, and the matrix being formed of silicon carbide at least 50% of which is of beta type. These carbon fiber composite materials are suitable for the uses as aerospace materials.

8 Claim(s), 5 Drawing Sheet(s), 7 Figure(s).

EXEMPLARY CLAIM

D R A W I N G

1. A carbon fiber composite material which has a structure comprising a skeletal part and a matrix formed integrally around the skeletal part, said skeletal part being mainly composed of carbon fiber bundles and silicon carbide and metallic silicon formed in the carbon fiber bundles and/or on the outer surface of the carbon fiber bundles and said matrix being mainly composed of silicon carbide and metallic silicon, wherein the content of metallic silicon increases in an inclined manner from inside of the skeletal part toward the outer surface of the skeletal part, and/or from the outer surface of the skeletal part toward the outer surface of the matrix, and/or from the outer surface of the matrix toward the inside of the matrix.

NON-EXEMPLARY CLAIMS

2. A carbon fiber composite material which has a structure comprising a skeletal part and a matrix formed integrally around the skeletal part, said skeletal part being mainly composed of carbon fiber bundles and silicon carbide and metallic silicon formed in the carbon fiber bundles and/or on the outer surface of the carbon fiber bundles and said matrix being mainly composed of silicon carbide and metallic silicon, said material being formed by laminating a plurality of sheets each of which comprises a plurality of preformed yarns arranged in nearly parallel with one another, said preformed yarns comprising bundles mainly composed of carbon fibers and a resin covering the outer surface of the bundles, heat-treating the laminate in a non-oxidizing atmosphere, and impregnating the laminate with metallic silicon to form integrally the skeletal part and the matrix.

3. A carbon fiber composite material which has a structure comprising a skeletal part and a matrix formed integrally around the skeletal part and has a porosity of 0.5-5% and a two-peak type distribution of average pore diameter, said skeletal part being formed of carbon fibers and a carbon component other than the carbon fibers and/or silicon carbide, and said matrix being formed of silicon carbide at least 50% of which is of beta type.

4. A carbon fiber composite material according to claim 3, wherein the matrix is formed along the surface of the skeletal part.

5. A carbon fiber composite material according to claim 3, wherein the matrix has such an inclined composition as the silicon content increasing in proportion to the distance from the surface of the skeletal part.

6. A carbon fiber composite material according to claim 3, wherein the matrix has a continuous three-dimensional network structure.

7. A carbon fiber composite material according to claim 3, wherein the skeletal part comprises a laminate formed by laminating sheets each of which comprises a plurality of preformed yarns arranged in nearly parallel with each other and comprising carbon fibers and a carbon component other than carbon fibers in such a manner that the longer directions of the preformed yarns alternately cross at right angles.

8. A carbon fiber composite material according to claim 3, which is an aerospace material.

DISPLAY IALL

AN 2648961 IFIPAT;IFIUDB;IFICDB
 TITLE: RECOVERY OF NICKEL IN SOLUBLE FORM FROM A LIQUOR;
 PRECIPITATION AS SULFIDE OR HYDROXIDE, FLOCCULATION,
 GRAVITATIONAL OR MAGNETIC SEPARATION, AND FILTRATION
 INVENTOR(S): Browne, Geoffrey R, Boya, AU
 PATENT ASSIGNEE(S): Modern Environmental Service Trust, Gidgegannup, AU
 PRIMARY EXAMINER: Rosenberg, Peter D
 AGENT: Michael, Best & Friedrich

	NUMBER	PK	DATE
PATENT INFORMATION:	US 5454856	A	19951003
	(CITED IN 001 LATER PATENTS)		
	WO 9301320		19930121
APPLICATION INFORMATION:	US 1994-175433		19940623
	WO 1992-AU343		19920710
			19940623 PCT 371 date
			19940623 PCT 102(e) date
EXPIRATION DATE:	3 Oct 2012		

	NUMBER	DATE
PRIORITY APPLN. INFO.:	AU 1991-7139	19910710
FAMILY INFORMATION:	US 5454856	19951003
DOCUMENT TYPE:	UTILITY	
	REASSIGNED	
	EXPIRED	
	REINSTATED	
	CERTIFICATE OF CORRECTION	
CORRECTION DATE:	27 Feb 1996	
FILE SEGMENT:	CHEMICAL	
	GRANTED	
ENTRY DATE:	Entered STN: 11 Jan 2001	
	Last Updated on STN: 8 Jul 2002	
MICROFILM REEL NO:	007043	FRAME NO: 0409
	007969	0309
	008067	0461
	008098	0708

ABSTRACT:

A process for recovering nickel that is in soluble form and in relatively low concentrations, typically up to 2% by weight in a liquor, comprises: (a) precipitating nickel from solution (preferably as a hydroxide or sulphide); (b) adding an inert particulate carrier and a flocculent to the liquor to form flocs comprising nickel precipitate, inert particulate carrier, and flocculent; (c) separating the flocs from the liquor (preferably by gravitational settling or magnetic separation); and (d) separating the nickel precipitate from the flocs (preferably by agitating the flocs). The nickel precipitate and flocs are preferably then passed through a filter to remove the nickel as filter cake. The inert carrier is preferably sand, alumina, magnetite, hematite, ilmenite or calcite. The flocculent is preferably a cationic, non-ionic or anionic flocculent.

NUMBER OF CLAIMS: 9
 GRAPHICS INFORMATION: 2 Drawing Sheet(s), 2 Figure(s).

EXEMPLARY CLAIM(S):

1. A process for recovering nickel in soluble form from a liquor, the liquor being obtained from a leaching or beneficiation circuit for oxidized nickel-containing ore, the process comprising: (a) precipitating nickel from solution; (b) adding an inert particulate carrier and a flocculent to the liquor to form flocs comprising nickel precipitate, inert particulate carrier, and flocculent; (c) separating the flocs from the liquor; and (d) separating the nickel precipitate from the flocs.

IFIUDB

DISPLAY IALL (cont'd)

NON-EXEMPLARY CLAIM(S):

2. The process defined in claim 1, further comprising passing the nickel precipitate and flocculent through a filter or a concentration system to recover the nickel as a filter cake.
3. The process defined in claim 1, wherein the precipitation step (a) comprises adjusting the pH of the liquor to precipitate the nickel as an hydroxide.
4. The process defined in claim 1, wherein the precipitation step (a) comprises adding sulphur containing compounds to precipitate the nickel as a sulphide.
5. The process defined in claim 1, wherein the separation step (c) comprises allowing the flocs to settle by gravity and separating the relatively clarified liquor from the flocs.
6. The process defined in claim 1, wherein the separation step (c) comprises recovering the flocs by a magnetite separator.
7. The process defined in claim 1, wherein the separation step (d) is carried out by agitating the flocs.
8. The process defined in claim 1, wherein the inert particulate carrier is selected from the group consisting of sand, alumina, magnetite, hematite, ilmenite and calcite.
9. The process defined in claim 1, wherein the flocculent is a polyelectrolyte flocculent.

CITED US REFERENCES: US 5238663 Aug 1993 423140000 Vikari
 CURRENT U.S. PATENT CLASSIF.:
 MAIN: 075711000
 SECONDARY: 075738000; 075739000; 423140000
 INT. PATENT CLASSIF.:
 MAIN: C22B003-22
 SECONDARY: C22B023-00
 FIELD OF SEARCH: 075711000; 075738000; 075739000; 210702000; 423140000
 ART UNIT: 131
 CONTROLLED TERMS: General Uniterms:

ADJUSTMENT 00093; AGITATION 00125; BENEFICIATION 00570; CALCITE 00786-10;
 CARRIERS 00874; CIRCUITS 01077; CLARITY 01092; CYCLONE SEPARATORS 01445;
 FILTER CAKES 02163; FILTRATION 02165; FLOCCULANTS 02240; FLOCCULATION 02241;
 GRAVITY 02507; HEMATITE 02617-10; ILMENITE 02819-10; LEACHING 03102;
 LIQUIDS 03174; ORES 03774-10 20; OXIDATION 03816; PARTICLES 03889; PH 03986;
 POLYELECTROLYTES 04192; PRECIPITATION 04360; RECOVERING 04585; REFINING 04606;
 SAND/MATERIALS/ 04799-10; SEPARATION 04919; SEPARATORS 04920; SETTLING 04936;
 SOLUBILITY 05130; PROCESS 06232; MINERALS AND ORES/CT/ 10010; PURIFICATION
 OR SEPARATION/CT/ 10020; ELEMENTAL METALS/CT/ 10032; POLYMER DESCRIPTORS/CT/
 10204;

SUBSTANCE NAME	Compound Uniterms:	
	UNITERM CODE	CAS REGISTRY NUMBER
ALUMINUM OXIDE, AL ₂ O ₃	50032-10	1344-28-1
SODIUM HYDROXIDE, NaOH	50594-10 20	1310-73-2
SODIUM SULFIDE, Na ₂ S	50598-10 20	1313-82-2
IRON OXIDE, Fe ₃ O ₄	53651-10	
NICKEL SULFIDE, NiS ₂	53907-30	12035-51-7Q, 11113-75-0Q
NICKEL	72730-10 20	7440-02-0
NICKEL HYDROXIDE, Ni(OH) ₂	98018-30	12054-48-7

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