IFIPAT (IFI Patent Database)

Subject Coverage

- Chemistry
- Electromagnetic Technology
- Engineering
- Medicine
- Nuclear Science
- Telecommunications

File Type

Bibliographic

Features

Thesaurus	International Patent Classification (/IPC) Thesaurus				
Alerts (SDIs)	Twice a week, weekly, or monthly. Default is weekly.				
CAS Registry Numbers®	☑	Page Images	☐	STN AnaVist	☐
Keep & Share	☑	SLART	☑	STN Easy	☑
Learning Database	☐	Structures	☐	STN Viewer	☐

Record Content

- Front page and bibliographic data, abstracts 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.

File Size

More than 8.61 million records (2/12)

Coverage

Chemical and chemically related patents are covered from 1950 to the present, and mechanical and electrical patents from 1963 to the present.

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

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

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE
- Assignee List (available from the producer)
- U.S. Patent Office Manual of Classifications (available from the producer)

Clusters

- AGRICULTURE
- ALLBIB
- AUTHORS
- BIOSCIENCE
- CASRNS
- COMPUTER
- CONSTRUCTION
- CORPSOURCE
- ELECTRICAL
- ENGINEERING
- ENVIRONMENT
- FUELS
- GEOSCIENCE
- HEALTH
- HPATENTS
- MATERIALS
- MEDICINE
- METALS
- PATENTS
- PETROLEUM
- PHARMACOLOGY
- PHYSICS
- POLYMERS

STN Database Cluster information (PDF).

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? 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 19970603/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
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	Not displayed
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
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, Initial	/IPCI	S A61K0009-14/IPCI	IPCI
IPC, Main	/ICM	S A01N001/ICM S A01N-001/02/ICM	IC, 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 **(4)** (includes patent assignee code)	/PA (or /CS)	S ABBOTT?/PA S MERRELL DOW/PA S 152/PA	PA
Patent Assignee in Nonstandard Format (includes location)	/PAF	S LEINER/PAF S NUTRITIONAL PRODUCTS/PAF S (HEWLETT-PACKARD(S)CA)/PAF	PAF
Patent Assignee (Probable)	/PPA	S ABBOTT/PPA	PPA
Patent Country **(2)**	/PC	S US/PC AND PY>1999 S WO/PC	PI
Patent Kind Code	/PK	S A1/PK	PI
Patent Number **(2,3)**	/PN	S US30843/PN S US-30843/PN S WO9200563/PN S US2002026659/PN	PI
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 **(3,5)** (includes provisionals)	/PRN	S DE1998-29801192/PRN S US2000-142974P/PRN	PRAI
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 **(6)**	/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
Related Application Number **(3)**	/RLN	S US1956-626211/RLN S 1956US-0626211/RLN	RLI

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
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
Update Date **(1)**	/UP	S L1 AND UP>20020000	Not displayed

(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) Search with implied (S) proximity is available in this field.
(5) U.S. Provisional Priority Applications are searched only with the P appended.
(6) 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.

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 or 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, 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
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
EXNAM	Examiner Name	D 7 L3 EXNAM
FI (FN) **(1)**	Family Information	D 1-5, 10 FI
FS	File Segment	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	IPCI
IPCR	IPC Reclassified	IPCR
MFN **(2,3)**	Microfilm Frame Number (includes MRN)	D MFN
MRN **(2,3)**	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 (PRN) **(1)**	Priority Information	D PRAI
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
XPD	Expiration Date	D XPD
ABS	AB, NTE, CLMN	D ABS
ALL **(1,3)**	AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI, PRAI, FI, DT, CDAT, FS, OS, GOVI, MRN, MFN, AB, NTE, BOTI, CLMN, GI, ECLM, ACLM, REP, REN, NCL (NCLM, NCLS), IC (ICM, ICS), EXF, ARTU, RN	D 3 ALL

DISPLAY and PRINT Formats (cont'd)

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

THESAURUS FIELDS

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
ALL	All Associated Terms (BT, SELF, NT, RT)	E H01B0001-06+ALL/IPC
BRO (MAN)	Complete Class	E H01B0017-54+BRO
BT	Broader Terms (SELF, BT)	E C01F0001-00+BT/IPC
ED	Complete title of the SELF term and IPC manual edition	E C01F0001-00+ED/IPC
HIE	Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT)	E C01C0003-00+HIE/IPC
INDEX	Complete title of the SELF term	E C01F0001-00+INDEX/IPC
KT	Keyword Terms (catchwords) (SELF, KT)	E INJECTION+KT/IPC
NEXT	Next Classification	E C01C0001-00+NEXT5/IPC
NT	Narrower Terms (SELF, NT)	E C01C+NT/IPC
PREV	Previous Classification	E C01C0001-12+PREV10/IPC
RT (SIB)	Related Terms (SELF, RT)	E C01C0003-20+RT/IPC
TI	Complete Title of the SELF Term and Broader Terms (BT, SELF)	E C01F0001-00+TI/IPC

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 **(2)**	N
Accession Number	AN	Y	N
Agent (Legal Representative)	AG	Y **(3)**	Y
Application Country	AC	Y **(4)**	Y
Application Date	AD	Y **(4)**	Y
Application Information	AI	Y **(4,5,6)**	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
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

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

Field Name	Field Code	ANALYZE/ SELECT(1)	SORT
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
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

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

Field Name	Field Code	ANALYZE/ SELECT(1)	SORT
Term of Patent	PTERM	N	Y
Title	TI	Y (default)	Y
Treatment Code	TC	Y **(18)**	Y

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

Sample Records

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 IndustrialScience & Technology JP
PI    US 2002083492   A1  20020627
AI    US 2000-748264      20001227
PRAI  JP 2000-2000223653  20000726
FI    US 2002083492       20020627
      US 66424629         20031104
DT    Utility; Patent Application - First Publication
FS    CHEMICAL
FS    APPLICATION
CLMN  5
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DISPLAY FPALL

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United States Patent                        Patent Number:  6413640
                                            Kind Code:      B1
                                            Date of Patent: 20020702
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CARBON FIBER COMPOSITE MATERIALS; FIBER 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
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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.

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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

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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	3711948 IFIPAT;IFIUDB;IFICDB			
TITLE:	GALANIN TRANSGENIC MICE;MOUSE WITH GENOME HAVING NUCLEIC ACID CONSTRUCT COMPRISING MAMMALIAN PITUITARY GENETIC OVEREXPRESSION: DEVELOPMENT OF PITUITARY ADENOMAS			
INVENTOR(S):	Vrontakis; Maria E., Winnipeg, CA			
PATENT ASSIGNEE(S):	The University of Manitoba, Winnipeg, CA			
PRIMARY EXAMINER:	Clark, Deborah J. R			
ASSISTANT EXAMINER:	Baker, Anne-Marie			
AGENT:	Kohn & Associates			
	NUMBER	PK	DATE	
PATENT INFORMATION:	US 6414220	B1	20020702	
APPLICATION INFORMATION:	US 2000-618877		20000719	
EXPIRATION DATE:	17 Dec 2018			
	APPLN. NUMBER		DATE	GRANTED PATENT NO. OR STATUS
CONTINUATION OF:	US 1998-215051		19981217	ABANDONED
	NUMBER		DATE	
PRIORITY APPLN. INFO.:	US 1997-69929P		19971217 (Provisional)	
FAMILY INFORMATION:	US 6414220		20020702	
DOCUMENT TYPE:	UTILITY			
FILE SEGMENT:	CHEMICAL GRANTED			
OTHER SOURCE:	CA 137:58611			

ABSTRACT:

A transgenic mammal whose somatic and germ cells having a nucleic acid construct wherein the construct includes a mammalian promoter operably linked to a cDNA genomic sequence is provided for the overexpression of galanin. Also provided is a construct having cDNA for the overexpression of galanin. A method of making a transgenic mammal by producing a mammal having a construct for the overexpression of galanin is provided.

NUMBER OF CLAIMS: 5
GRAPHICS INFORMATION: 11 Drawing Sheet(s), 24 Figure(s).
INDEPENDENT CLAIM: 3,5

EXEMPLARY CLAIM(S):

D R A W I N G

1. A transgenic mouse having integrated in its genome a nucleic acid construct comprising a mammalian pituitary specific promoter operably linked to a galanin cDNA sequence wherein said mouse expresses galanin in the pituitary at an elevated level compared to a non-transgenic mouse and further wherein galanin is secreted into the circulation at an elevated level compared to a nontransgenic mouse, such that said mouse develops pituitary adenomas.

NON-EXEMPLARY CLAIM(S):

2. The transgenic mouse according to claim 1, wherein said galanin cDNA is selected from the group consisting of rat and human cDNA according to SEQ ID NO: 1-3.
3. A construct comprising galanin cDNA operably linked to a pituitary specific promoter.
4. The construct according to claim 3, wherein said galanin cDNA is rat or human cDNA.
5. A method of making a transgenic mouse whose genome comprises a nucleic acid construct wherein the construct comprises a mammalian pituitary specific promoter operably linked to a galanin cDNA sequence, said method comprising the steps of: transferring a nucleic acid construct comprising a mammalian pituitary specific promoter operably linked to a zalanin cDNA sequence to a murine zygote; allowing said zygote to develop to term; obtaining a mouse whose genome comprises the nucleic acid construct; breeding said mouse with a non-transgenic mouse to obtain F1 offspring and selecting a mouse whose zenome comprises the nucleic acid construct, wherein said mouse expresses galanin in the pituitary at an elevated level compared to a non-transgenic mouse and further wherein galanin is secreted into the circulation at an elevated level compared to a non-transgenic mouse, such that said mouse develops pituitary adenomas.

OTHER REFERENCES: Hammer et al. Spontaneous inflammatory disease in transgenic rats expressing HLA-B27 and human b2m: An animal model of HLA-B27-associated disorders. Cell 63: 1099-1112, Nov. 1990.*
Hohmann et al. Transgenic mice that overexpress the galanin gene in brainstem neurons. Society for Neuroscience Abstracts. 23(2): 1878, Oct. 1997.*
Kaplan et al. Tissue-specific expression of the rat galanin gene. Proc. Natl. Acad. Sci. USA 85: 1065-1069, Feb. 1988.*
Mullins et al. Expression of the DBA/2J Ren-2 gene in the adrenal gland of transgenic mice. EMBO J. 8(13): 4065-4072, 1989.*

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                        Mullins et al. Fulminant hypertension in transgenic
                        rats harbouring the mouse Ren-2 gene. Nature 344:
                        541-544, Apr. 1990.*
                        Taurog et al. HLA-B27 in inbred and non-inbred
                        transgenic mice. J. of Immunol. 141: 4020-4023,
                        Oct. 1997.
                        Wall, RJ Transgenic livestock: Progress and prospects
                        for the future. Theriogenology 45: 57-68, 1996.*
ISSUE U.S. PATENT CLASSIF.:
  MAIN:                 800018000
  SECONDARY:            435320100; 800013000; 800014000; 800021000; 800025000
CURRENT U.S. PATENT CLASSIF.:
  MAIN:                 800018000
  SECONDARY:            435320100; 800013000; 800014000; 800021000; 800025000
INT. PATENT CLASSIF.:
  MAIN:                 A01K067-00
  SECONDARY:            A01K067-027; A01K067-033; C12N015-00; C12N015-63
FIELD OF SEARCH:        435320100; 800003000; 800013000; 800014000;
                        800018000; 800021000; 800025000
ART UNIT:               162
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