

CLAIMS®/U.S. Patents
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ONTAP® CLAIMS®/U.S. Patents (FILE 279)

FILE DESCRIPTION

The CLAIMS®/U.S. PATENTS database (File 340) produced by the IFI CLAIMS® Patent Services, provides access to over 4.6 million United States patents issued by the U.S. Patent and Trademark Office (USPTO) since 1950. This is the largest collection of U.S. patent references available in an online database. Published pre-grant applications (available from March 2001) and issued patents published for the same application number are combined in a single merged record

From 1971 forward, the CLAIMS records include all information found on the front page of a U.S. patent document plus exemplary and non-exemplary claims. Earlier records contain basic bibliographic data and the exemplary claims only. Provisional application data is also included. Business-method patent indexing is available from 2001 forward. Published pre-grant publications often do not include assignees, so a Probable Assignee field is generated by IFI from various sources such as reassignment data. In 2006, the new International Patent Classification Reform (version 8) was applied to patents from 1950 forward, providing users greater flexibility in IPC searching.

The CLAIMS®/UNITERM (File 341) and CLAIMS®/COMPREHENSIVE (File 942) databases contain the same patent records, but also include in-depth controlled indexing for chemical and chemically-significant patents from 1950 forward. File 341 is publicly available but is limited to 12 hours per year without a subscription. File 942 can be accessed only by subscribers.

Related CLAIMS files: CLAIMS®/CURRENT PATENT LEGAL STATUS (CLS) (File 123) covers patent post-issue actions such as reassignments, extensions, reexaminations, and disclaimers. CLAIMS®/REFERENCE (File 124) contains an online version of the USPTO *Manual of Classification* and the general term indexing thesaurus used with Files 341 and 942. CLAIMS®/CITATION (Files 220, 221, and 222) provides examiner cited and citing patent numbers. CLAIMS®/COMPOUND REGISTRY (File 242) is a dictionary of IFI's chemical compound vocabulary.

SUBJECT COVERAGE

The CLAIMS patent database contains all granted U.S. chemical patents from 1950 forward. Mechanical and electrical patents, reissues, defensive publications, and statutory invention registrations (S.I.R.) are included from 1963 forward. Design and plant patents are available from December 1976 forward. Pre-grant published applications are available from March 2001 forward.

TIPS
USE PC=

to select pre-grant published applications
 SELECT PC=US A1

USE DT=

to locate patents with post-issuance changes such as certificates of correction, reassignment, reexamination, etc.
 SELECT DT=REASSIGNED

USE RANK

for statistical analysis of a data field such as patent assignee.
 SELECT TOPIC; RANK PA

USE MAP

to save terms from a specific field, such as patent or application number, for searching in the same or another file.
 SELECT TOPIC; MAP AN TEMP

DIALOG FILE DATA
Inclusive Dates:

1950+ chemical patents; 1963+ electrical and mechanical patents; December 1976+ design and plant patents; March 2001+ pre-grant published applications (Files 340,341,942)
 Selected records 12/82 to 3/83 (File 279)

Update Frequency: Closed (File 279)

Monthly Chemical Indexing (File 942)
 Monthly UNITERM Indexing (File 341)
 Twice weekly (File 340)

File Size:

4.9 million patents as of October 2005 (Files 340,341,942)
 18,000 Patents (File 279)

CONTACT

The CLAIMS databases are provided by IFI CLAIMS Patent Services. Questions about file content should be directed to:

Dialog, Knowledge Center	Phone: 919-462-8600
Knowledge Center	Toll Free: 800-334-2564
11000 Regency Parkway	Fax: 919-468-9890
Suite 10	E-Mail:
Cary, NC 27511	

dialogcustomer@thomson.com

IFI CLAIMS(R) Patent Services	Phone: 302-633-7200
3202 Kirkwood Highway	Toll Free: 800-331-4955
Suite 203	Fax: 302-998-0733
Wilmington, DE 19808	E-Mail: Info@ificlaims.com

DIALOG(R)File 340:CLAIMS(R)/US Patents
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3576606 0135954

/TI C/(A1) PREPARATION OF TRIS (TRIMETHYLSILYL) SILYLETHYL ESTERS; REACTING 2-(TRIS(TRIMETHYLSILYL)SILYL)ETHYL ACETATE WITH AN ALCOHOL IN THE PRESENCE OF A CATALYST TO FORM 2-(TRIS(TRIMETHYLSILYL)SILYL)ETHANOL, THEN REACTING IT WITH A (METH)ACRYLATE ESTER

(B2) PREPARATION OF TRIS (TRIMETHYLSILYL) SILYLETHYL ESTERS; REACTING 2-(TRIS(TRIMETHYLSILYL)SILYL)ETHYL ACETATE WITH AN ALCOHOL IN PRESENCE CATALYST; REACTING 2-(TRIS(TRIMETHYLSILYL)-SILYL)ETHANOL WITH A (METH)ACRYLATE TO FORM 2-(TRIS(TRIMETHYLSILYL)SILYL)ETHYL (METH)ACRYLATE

DT= Document Type: UTILITY; Patent Application-First Publication
AU= Inventors: Hasegawa Koji (JP); Kinsho Takeshi (JP); Kiyomori Ayumu (JP); Kubota Tohru (JP); Watanabe Takeru (JP)

IV= Inventor Name & Address: Hasegawa, Koji, Nakakubiki-gun, JP; Kinsho, Takeshi, Nakakubiki-gun, JP; Kiyomori, Ayumu, Nakakubiki-gun, JP; Kubota, Tohru, Nakakubiki-gun, JP; Watanabe, Takeru, Nakakubiki-gun, JP

PA= Assignee: (A1) Unassigned Or Assigned To Individual
(B2) Shin-Etsu Chemical Co Ltd JP

PL= Assignee Code: (A1) 68000; (B2) 06692

PA=, PS= Probable Assignee: (A1) Shin-Etsu Chemical Co., Ltd., Tokyo, JP

CS= Assignee Name & Address: (A1) Unassigned
(B2) Shin-Etsu Chemical Co., Ltd., Tokyo, JP

RR=,FF= Preissuance Assignment Actions Reel/Frame Numbers: 011604/0964

EX=,AR= Primary Examiner: Shaver, Paul F (Art Unit 161)

LR= Attorney, Agent or Firm: Millen, White, Zelano & Branigan PC

	Publication Number	Kind	Date	Application Number	Date
PC=,PN=,PD=	US 20010007909	A1	20010712	US 2001754320	20010105
PC=,PN=,PD=	US 6291696	B2	20010918	US 2001754320	20010105
AC=,AN=,AD=	Priority Applic:			JP 2000888	20000106
ED=,EM=,EY=	Calculated Expiration:		20210105		

/AB Abstract: (US 20010007909 A1)
An industrially acceptable process for preparing 2(tris(trimethylsilyl)silyl)ethyl (meth)acrylate in high yields involves reacting 2-(tris(trimethylsilyl)silyl)ethyl acetate with an alcohol in the presence of a catalyst to form 2(tris(trimethylsilyl)silyl)ethanol, then reacting it with a (meth)acrylate ester.

/AB Abstract: (US 6291696 Granted)
An industrially acceptable process for preparing 2(tris(trimethylsilyl)silyl)ethyl (meth)acrylate in high yields involves reacting 2-(tris(trimethylsilyl)silyl)ethyl acetate with an alcohol in the presence of a catalyst to form 2(tris(trimethylsilyl)silyl)ethanol, then reacting it with a (meth)acrylate ester.

Number of Claims: (A1) 3; (B2) 11
Exemplary Claim Numbers: (B2) 1
Independent Claim Numbers: 10

/BC,/CM,/TX Exemplary Claim: (US 20010007909 A1)
1. A process for preparing 2-(tris(trimethylsilyl)silyl)-ethyl (meth)acrylate, comprising the steps of reacting 2(tris(trimethylsilyl)silyl)ethyl acetate with an alcohol in the presence of a catalyst to form 2-(tris(trimethylsilyl)-silyl) ethanol, then reacting it with a (meth)acrylate to form 2(tris(trimethylsilyl)silyl)ethyl (meth)acrylate.

Exemplary Claim: (US 6291696 Granted)
1. A process for preparing 2-(tris(trimethylsilyl)silyl)-ethyl

PATENT RECORD (cont'd)

(meth)acrylate, comprising the steps of reacting 2(tris(trimethylsilyl)silyl)ethyl acetate with an alcohol in the presence of a catalyst to form 2-(tris(trimethylsilyl)-silyl) ethanol, then reacting the 2-(tris(trimethylsilyl)-silyl)ethanol with a (meth)acrylate to form 2-(tris(trimethylsilyl)silyl)ethyl (meth)acrylate.

Non-exemplary Claims: (US 20010007909 A1)
 2. The process of claim 1 wherein the catalyst is a Lewis acid.
 3. The process of claim 1 wherein the catalyst is a Lewis acid containing Al, B, Sn or Ti.

Non-exemplary Claims: (US 6291696 Granted)
 2. The process of claim 1 wherein the catalyst is a Lewis acid.
 3. The process of claim 1 wherein the catalyst is a Lewis acid containing Al, B, Sn or Ti.
 (...)

CL= Main US Class: 556440000
 on document: 564400000
CE= Field of Search (US Class): 556440000

IC=, ICA=, ICC= International Patent Class (on document)
 Main: C07F-007/08; C07F-007/08
 International Patent Class (v8 + Attributes) - Advanced
 IPC + Level Value Position Status Version Action Source Office:
 C07F-0007/08 A I R 20060101 20051008 M EP

U.S. References Cited:

Patent Number	Date YYYYMM	Class	Inventor
US 4946977	199008	556440000	Bernhardt et al.
US 5646325	199707	556440000	Monkiewicz et al.
(...)			

RF= Other References Cited:
 Brook et al., "A New Anlon Rearrangement Involving Silyl Migration to Oxygen," Organometallics, vol. 3, pp. 1317-1318 (1984).
 (...)

(The following fields are available only in Files 341, 942)

CN=,UN= General Codes: (A1) 00139; 00784; 00903; 00906; 01754; 02029; 03128, 10; 03176, 10; 04033, 10; 04274, 30; 06232 30; 07197, 10 20; 07548, 20; 10001, 20; 10102, 20; 10105, 20; 10201, 20
 (B2) 00903; 02029; 03128, 10; 03176; 04033; 04274, 30; 06232; 07197, 20 ; 07548; 10001; 10102; 10105; 10201

CP=,UT= General Terms: (A1) ALCOHOLYSIS; BY-PRODUCTS; CATALYSIS; CATALYSTS/OTHER/; DISTRIBUTION; ESTERIFICATION; LEWIS ACIDS, 10; LITHOGRAPHY, 10; PHOTORESISTS, 10; POLYSILOXANES, 30; PROCESS, 30; ALCOHOLS, 10 20; CATALYSTS/UNDEFINED/, 20; CATALYSTS/CT/, 20; METAL FRAGMENTS - ORGANIC/CT/, 20; SILICON FRAGMENTS - ORGANIC/CT/, 20; CONDENSATION POLYMERS/CT/, 20
 (B2) CATALYSIS; ESTERIFICATION; LEWIS ACIDS, 10; LITHOGRAPHY; PHOTORESISTS; POLYSILOXANES, 30; PROCESS; ALCOHOLS, 20; CATALYSTS/UNDEFINED/; CATALYSTS/CT/; METAL FRAGMENTS - ORGANIC/CT/; SILICON FRAGMENTS - ORGANIC/CT/; CONDENSATION POLYMERS/CT/

FC=, UN= Fragment Codes: (A1) 30003 30004 309671 31081 32745 33775 34138 34198 34201 34202 37754 46731 47001 47008 47008 47009 47010 17013 47015 47016 47017 20 30;30003 30004 32744 32745 33781 34198 47000 47005 47009 47013, 10 20
 (B2) 30003 30004 30286 30970 30971 33775 34138 34198 46731, 20; 30003 30004 32744 32745 33775 33781 34138 34198 46731, 20; 30003 30004 30005 30286 30970 30971 31080 31081 33775 34138 34198 46731, 30

FT=,UT= Fragment Terms: (A1) ACYCLIC (P)--ACYCLIC (M)--F CO2 CARBOXYLIC ESTER FG, O=C-O (P-1)--F C2 DOUBLE BOND FG, C=C (P-1)--F HO HYDROXY FG, OH (P-1)

(The following fields are available only in Files 341, 942) (cont'd)

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--F OTHER FG (M)--F RARE FG (M)--FG ON ALIPHATIC CARBON (M)--FG ON CH2
(M)--FG ON CH3 (M)--TWO CARBON ATOMS BETWEEN FG'S (M)--F SI4 GENERIC FG
--FG'S PRESENT, 2 (M)--ALKYL CHAINS PRESENT, 4+ (M)--ALKYL CHAIN
ATTACHMENTS, 1 (M)--ALKYL CHAIN ATTACHMENTS, 2 (M)--ALKYL CHAIN
ATTACHED TO HETERO ATOM OR MET--ALKYL CHAIN, UNBRANCHED (M)--ALKYL
(...)
(B2) ACYCLIC (P)--ACYCLIC (M)--F CARBOXYLIC ACID, ESTER, HALIDE,
ANHYDRID--F CO2 CARBOXYLIC ESTER FG, O=C-O (M)--F CO2 CARBOXYLIC ESTER
FG, O=C-O (P-1)--F OTHER FG (M)--F RARE FG (M)--FG ON ALIPHATIC CARBON
(...)
CN=,UN= Compound Codes: (A1) 50022, 20; 50129, 10; 50438, 10 20; 50649, 10; 50659,
10; 50899, 20; 50922, 20; 53372, 30; 56186, 20; 57426, 20; 60482, 10
(B2) 50022, 20; 50129, 10; 50649, 10; 50659, 10; 50899, 20; 50922, 20;
56186, 20; 57426, 20; 60482, 10
CP=,UT= Compound Terms: (A1) ACRYLIC ACID, METHYL ESTER, 20; BORON FLUORIDE, BF3,
10; METHANOL, 10 20; TIN, DIBUTYLDICHLORO-, 10; TITANIUM CHLORIDE,
TICL4, 10; ACRYLIC ACID, BUTYL ESTER, 20; METHACRYLIC ACID, METHYL
ESTER, 20; ACETIC ACID, METHYL ESTER, 30; METHACRYLIC ACID, ETHYL ESTER
, 20; ACRYLIC ACID, PROPYL ESTER, 20; ALUMINUM CHLORIDE, ALCL3, 10
(B2) ACRYLIC ACID, METHYL ESTER, 20; BORON FLUORIDE, BF3, 10; TIN,
DIBUTYLDICHLORO-, 10; TITANIUM CHLORIDE, TICL4, 10; ACRYLIC ACID, BUTYL
ESTER, 20; METHACRYLIC ACID, METHYL ESTER, 20; METHACRYLIC ACID, ETHYL
ESTER, 20; ACRYLIC ACID, PROPYL ESTER, 20; ALUMINUM CHLORIDE, ALCL3, 10
    
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BUSINESS METHOD PATENT

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DIALOG(R)File 340:CLAIMS(R)/US Patents
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3575556 4288346
/TI M/ APPARATUS AND METHOD FOR MONITORING AND COMMUNICATING WELLNESS
PARAMETERS OF AMBULATORY PATIENTS; Two-way communications for remote
patient wellness monitoring by a medical professional, weight
management professional or nutritionist, cost efficient, medical
benefits
DT= Document Type: UTILITY; BUSINESS METHOD
AU= Inventors: Cosentino Judith A (US); Cosentino Louis C (US); Dorfe Steven
George (US); Duea Duane Robert (US); Duea Michael John (US); Nubson
Richard C (US)
IV= Inventor Name & Address: Cosentino, Judith A., Excelsior, MN, (US);
IL= Cosentino, Louis C., Excelsior, MN, (US); Dorfe, Steven George, Maple
Grove, MN, (US); Duea, Duane Robert, Apple Valley, MN, (US); Duea,
Michael John, Savage, MN, (US); Nubson, Richard C., Eden Prairie, MN,
(US)
PA= Assignee: Cardiocom
CS=,PL= Assignee Name & Address: Cardiocom, Excelsior, MN
RR=,FF= Preissuance Assignment Actions Reel/Frame Numbers: 010102/0525
EX=,AR= Primary Examiner: Winakur, Eric F (Art Unit 376)
Assistant Examiner: Astorino, Michael
LR= Attorney, Agent or Firm: Merchant & Gould P.C.
    
```

	Publication Number	Kind	Date	Application Number	Date
PC=,PN=,PD=	US 6290646	B1	20010918	US 99293619	19990416
	(Cited in 034 later patents)				
AC=,AN=,AD=	Priority Applic:			US 99293619	19990416
ED=,EM=,EY=	Calculated Expiration: 20190416				

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/AB Abstract:
The monitoring device incorporates transducing devices for converting the
desired measured parameters into electrical signals capable of being
processed by a local computer or microprocessor system. The device
interacts with the ambulatory patient and then, via a modem or other
electronic communication device, transmits the measured parameters to a
    
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BUSINESS METHOD PATENT (cont'd)

computer located at a remote site. At the remote location, the various indicia of the ambulatory patient's condition are monitored and analyzed by the medical professional caregiver. To provide the ambulatory patient with an added level of convenience and ease of use, such monitoring device is contained in a single integrated package.

Number of Claims: 29

Exemplary Claim Numbers: 1

_Exemplary Claim:

D R A W I N G

/BC,/CM,/TX

1. A system for monitoring a ambulatory patient and establishing communication to a caregiver regarding the wellness parameters of such an ambulatory patient between a first location and a remote central office location, said system comprising: a monitoring apparatus at said first location comprising: (a) a physiological parameter transducing device, said device generating an electronic signal representative of the value of the physiological parameter being monitored; (b) a central (...)

/BC,/CM,/TX

Non-exemplary Claims:

2. The system according to claim 1 wherein said integrated unit comprises: a base, said base including said physiological parameter transducing device; a housing, said housing including said central processor device, said electronic receiver/transmitter communication device, said input device and said output device; and a support member, said support member having a first end connected to said base and a second end connected to said housing.
3. The system according to claim 1 further comprising means for determining whether said patient requires hospitalization or medication adjustments based on said wellness parameters.
4. The system according to claim 1, wherein said communication device is a modem.
5. The system according to claim 1, wherein said communication is over an RS-232 connection.
(...)

CL= Main US Class: 600300000
on document: 603000000

CL= Cross Ref US Class: 128903000; 128904000; 705002000
on document: 128903000; 128904000; 705002000

CE= Field of Search (US Class): 128900000; 128901000; 128902000; 128903000;
128904000;128905000; 128920000; 128921000; 128922000; 128923000;
(...)

IC=, ICA=, ICC=

International Patent Class (on document)

Main: A61B-005/00

International Patent Class (v8 + Attributes) - Advanced

IPC + Level Value Position Status Version Action Source Office:

A61B-0005/00	A I	R	20060101	20051008	M	EP
A61N-0001/372	A N	R	20060101	20051008	M	EP
G01G-0019/44	A I	R	20060101	20051008	M	EP

International Patent Class (v8 + Attributes) - Core

A61B-0005/00	C I	R	20060101	20051008	M	EP
A61N-0001/372	C N	R	20060101	20051008	M	EP
G01G-0019/00	C I	R	20060101	20051008	M	EP

U.S. References Cited:

Patent Number	Date YYYYMM	Class	Inventor
US RE32361	198702		Duggan
US 3925762	197512		Heitlinger et al.
	(...)		
US 6113540	200009	600300000	Iliff

BUSINESS METHOD PATENT (cont'd)

Foreign References Cited:

	Patent Number	Date YYYYMM	Class
	-----	-----	-----
CT=	DE 4335869	199410	
	JP 9173304	199707	

Other References Cited:

RF= "Technology to Help Meet Standards and Reduce Costs", Alere Medical Incorporated, 6 pages (1998).
(...)

Number of Drawing Sheets Issued: 10

Number of Figures in Patent: 14

BI= Business Method Indexing: AMBULATORY MEDICAL SYSTEMS; BODY WEIGHTS;
COMMUNICATION DEVICES; COMMUNICATIONS; COST EFFICIENCY; HEALTH CARE
MANAGEMENT; INFRARED; INTERNET; MEDICAL BENEFITS; METHOD; MODEMS;
MONITORING; PACEMAKER DATA INPUTS; PACEMAKERS; PATIENT CONDITIONS
MONITORING; PATIENT MONITORING SYSTEMS; PATIENTS; POWER-LINE CARRIER
COMMUNICATION DEVICES; QUERIES; QUERYING; RADIO FREQUENCY TRANSCEIVERS;
RADIO TELEMETRY; REMOTE COMMUNICATIONS; RESPONDING; RF TRANSCEIVERS;
SATELLITE COMMUNICATIONS; SCORING; SIGNAL GENERATION; SIGNAL PROCESSING
; SYSTEM; TELEPHONE TELEMETRY; WELLNESS FACTORS

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields ^{1,3}	Segment & Word	S METHOXY S POLYMER?(W)CARRIER?
/AB	AB	Abstract ^{1,2}	Segment & Word	S CHLORO/AB S ACIDIC(W)CONDITION?/AB
/BC	BC	Broad Claim (Exemplary Claim) ¹	Segment & Word	S THIO/BC S CROSS(W)LINK?/BC
/CM	CM	Text of Claims ^{1,2}	Segment & Word	S SODIUM/CM S LEWIS(W)ACID?/CM
/OC	OC	Other Claims (non-Exemplary Claim) ^{1,2}	Segment & Word	S TETRACHLORIDE/OC S METHA?/OC
/TI	TI	Title ¹	Segment & Word	S OXY/TI S FILM(W)STABILITY/TI
/TX	TX	Text of Claims ^{1,2}	Segment & Word	S HALOGEN/TX S SILICON(W)OXIDE/TX

¹ All chemical names are indexed as complete individual words and chemically significant segments of words. Words such as GLUCOPYRANOSYL can be searched by either segment, e.g., GLUCO or PYRANOSYL; for segments that may also be complete words, use /FW, e.g., S PYRANOSYL/FW. Locants, i.e., numbers indicating the position of a chemical group within the structure, are searched as words, e.g., S 1(W)4.

³ Botanical information provided for plant patents includes the Latin name of the plant and the variety. It is word-indexed in the basic index and phrase-indexed in the BI= index.

² Claims text is not included prior to 1971. Note that design patents do not contain a claim.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AC=	AC	Application Country	Phrase	S AC=US S AC=US P
AC=	AC	Priority Application Country ⁴	Phrase	S AC=US/PR
AD=	AD	Application Date ^{5,15}	Phrase	S AD=19990610
AD=	AD	Application Date (Main) ⁴	Phrase	S AD=19990610/MP
AD=	PR	Priority Application Date ⁴	Phrase	S AD=19951026/PR
AD=	PV	Provisional Application Date ⁴	Phrase	S AD=19951205/PV S AD=20010130/PV
AM=	AD	Application Month ⁴	Phrase	S AM=198805 S AM=200105
AN=	AN	Application Number ^{4,15,16}	Phrase	S AN=US 88189294 S AN=US 189294-1988 S AN=US 60-7975
AN=	AN	Application Number (Main) ^{4,16}	Phrase	S AN=99330247/MP S AN=US 330247-1999/MP S AN=US 330247/MP
AN=	AN	PCT Application Number	Phrase	S AN=WO 98DE1788 S AN=WO 2000CN195
AN=	PR	Priority Application Number ⁴	Phrase	S AN=US 99330247/PR S AN=JP 200065028/PR
AN=	PV	Provisional Application Number ⁴	Phrase	S AN=US 60-76754/PV
AR=	AR	Art Unit ⁶	Phrase	S AR=277
AU=	AU	Author/Inventor (Standardized) ⁸	Phrase	S AU=GUPTA ANAND
AU=	AU	Author/Inventor Country ^{8,9}	Phrase	S AU=US
—	AX	IFI Accession Number		
AY=	AY	Application Year ⁴	Phrase	S AY=1999 S AY=2001/PR
—	AZ	DIALOG Accession Number		
BI=	BI	Botanical Information ³	Phrase	S BI=ROSE HYBRIDA?
BI=	BI	Business Methods Indexing	Word & Phrase	S BI=(MEDICAL(W)SYSTEM?) S BI=MEDICAL BENEFIT?
CD=	CD	Certificate of Correction Date	Phrase	S CD=20040224
CE=	CE	Field of Search (U.S. Classification) ⁶	Phrase	S CE=438513000 S CE=438
CL=	CL	U.S. Class	Phrase	S CL=438513000 S CL=438
CL=	OR	U.S. Class (Original) ⁴	Phrase	S CL=D06376000 S CL=438513000/OR S 438/OR
CL=	XR	U.S. Class (Cross Reference) ⁴	Phrase	S CL=438783000/XR S CL=438/XR

ADDITIONAL INDEXES (cont'd)

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
CM= CO=	CD CO	Certificate of Correction Month Company (Patent Assignee) ⁸	Phrase Word & Phrase	S CM=199804 S CO=CARDIOCOM S CO=SHIN-ETSU CHEMICAL? S CR=95182276
CR= CS=	CR CS	CA Abstract Number ¹⁰ Patent Assignee Name (Non-Standardized) ^{6,8}	Phrase Word & Phrase	S CR=95182276 S CS=(APPLIED(W)MATERIALS) S CS=APPLIED MATERIALS? S CT=EP 496543
CT= CY= DD= DM= DT=	CT,RF CD DD DD DT	Non-U.S. Cited Patents Certificate of Correction Year Disclaimer Date ⁶ Disclaimer Month ⁶ Document Type	Phrase Phrase Phrase Numeric Phrase	S CT=EP 496543 S CY=2001 S DD=19970117 S DM=199912 S DT=GRANTED S DT=C S DT= BUSINESS METHOD S DT=REISSUE
DY= ED= EM= EX=	DD ED ED EX	Disclaimer Year ⁶ Calculated Expiration Date ¹¹ Calculated Expiration Month ¹¹ Name of Examiner ⁶	Phrase Phrase Phrase Word & Phrase	S DY=1997 S ED=20151026 S EM=201510 S EX=(MARY(N)WILCZEWSKI) S EX=WILCZEWSKI, MARY?
EY= FA=	EY FA	Calculated Expiration Year ¹¹ Field Availability	Phrase Phrase	S EY=2015 S FA=CL S FA=RF S FF=0781
FF= FI= — FS=	FF FI FI FS	Reassignment Microfilm Frame Description of Figures ¹² Number of Figures ¹² Field of Search (US and International Patent Classification) ⁶	Phrase Word Phrase	S FF=0781 S FI=(RIGHT(W)SIDE) S FS=438513000 S FS=A01F-012/44 S FS=A01F-012 S FS=A01F
GI=	GI	Statement of Government Interest ⁶	Word	S GI=(DISABILITY(W)REHABILI?) S GI=PRESENT
IA=	IC	International Patent Class Attributes ^{4,13,14}	Phrase	S IA=F S IC=H04R-0029 (S)IA=F
IC=	IC	International Patent Class ^{4,13,14}	Phrase	S IC=H04R-0029/00 OR IC=H04R-029/00 S IC=H04R-0029 OR IC=H04R-029 S IC=H04R
ICA=	IC	International Patent Class (Advanced) ^{13,14}	Phrase	S ICA=A61B-0005/00(S)IA=F S ICA=A61B-0005 S ICA=A61B
ICC=	IC	International Patent Class (Core) ^{13,14}	Phrase	S ICC=A61K-0031/015 S ICC=A61K-0031 S ICC=A61K
IL=	IL	Inventor Location ^{6,8}	Word & Phrase	S IL=(FREMONT(S)CA) S IL=NEW YORK?
IV=	IV	Inventor Name (Non-Standardized) ^{6,8}	Word & Phrase	S IV=(ANAND(N)GUPTA) S IV=GUPTA, ANAND
LR=	LR	Legal Representative ⁶	Word & Phrase	S LR=(TOWNSEND(W)TOWNSEND) S LR=TOWNSEND & TOWNSEND?
— — PA= PA=	NC NT PA PA	Number of Claims ⁶ Patent Notes Assignee Country ⁸ Patent Assignee (Standardized) ⁸	Phrase Word & Phrase	S PA=NL S PA=(APPLIED(W)MATERIALS) S PA=APPLIED MATERIALS? S PA=04857
PA= PC=	PA PC	Patent Assignee Code Patent Country	Phrase Phrase	S PC=US S PC=US A1 S PC=US P1
PD=	PD	Publication Date ^{4,15,16,17}	Phrase	S PD=20000815 S PD=19900403
— PL=	PI PL	Patent Information ^{15,17} Assignee Location ^{6,8}	Word & Phrase	S PL=(SANTA(W)CLARA) S PL=SANTA CLARA? S PL=NL
PM=	PD	Publication Month ⁴	Phrase	S PM=200008 S PM=199004/MP
PN= PN=	EN PN	Equivalent Patent Number ²⁰ Granted Patent or Published Application (Main) ^{4,15,16,17}	Phrase Phrase	S PN=BE 84620 S PN=US 20010000290 S PN=US 6103601/MP
PN=	PN	Granted Patent or Published Application ^{4,15,16,17}	Phrase	S PN=6103601 S PN=US 6103601 S PN=2001000290 S PN=US 20010000290

ADDITIONAL INDEXES (cont'd)

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
PS=	PA	Probable Assignee (Pre-Grant Publications) ^{4,8,19}	Word & Phrase	S PA=(SHIN(W)ETSU(W)CHEMICAL)/PS S PA=SHIN-ETSU?
PT=	PT	Length of Term for Design Patents ¹² Publication Year ^{4,17}	Phrase	S PT=014
PY=	PY		Phrase	S PY=2000 S PY=2003/MP
RF=	RF	Cited References	Word & Phrase	S RF=(SOLID(W)STATE(1W)TECH? S RF=CHANG ? S RF=198111 S RF=20464000
RN=	RN	CAS(R) Registry Number ²⁰	Phrase	S RN=122-19-0
RR=	RR	Reassignment Microfilm Reel	Phrase	S RR=4008
—	SO	Source (Patent Number for Record)		
SP=	SP	Number of Specification Pages	Phrase	S SP=105
UD=	—	Update	Phrase	S UD=9999
CHEMICAL INDEXING (Files 341 and 942 only)				
CN=	CN	General and Compound Number ²¹	Phrase	S CN=06528
CP=	CP	General and Compound Terms ²¹	Word & Phrase	S CP=(WELL(W)BORES) S CP=ACETALDEHYDE, CHLORO?
FC=	FC	Fragment Code ²¹ Fragment Term ²¹	Word	S FC=30035
FT=	FT		Word & Phrase	S FT=(F(W)N(1W)AMINE) S FT=CARBOCYCLIC RING?
RL=	—	Role ²¹	Phrase	S RL=20(S)CP=BENZENE
UI=	—	UNITERM Update	Phrase	S UI=200106
UN=	UN	UNITERM Number ^{21,22}	Phrase	S UN=00170
UT=	UT	UNITERM Text ^{21,22}	Word & Phrase	S UT=(RESIN(W)PEPTIDES) S UT=SOLID PHASE

⁴ Special suffixes can be used to further restrict retrieval in appropriate prefixed fields as noted: /MP(Main Patent); /PR (Priority Application); /PV (Provisional Application); /OR (Original US Class); /XR (Cross-Reference US Class); /MA (Main IPC Code); /PS (Probable Assignee).

⁵ Includes PCT Section 371 filing date and Section 102(e) date.

⁶ Not included prior to 1971.

⁷ Since U.S. application numbers are reused periodically, irrelevant retrieval can be avoided by searching the application number with leading year digits (2-digits prior to 2000, and 4-digits from 200 forward) e.g., S AN=US 89329985, or with 4 trailing year digits, e.g., S AN=US 329985-1989. U.S. application numbers display in the "leading year digits" format.

⁸ Inventor (AU=) and patent assignee (PA=, CO=) names and countries are standardized by IFI for ease of searching. Non-standardized inventor (IV=) and patent assignee (CS=) names are the original entries published by the USPTO.

⁹ Not available in most records prior to 1979.

¹⁰ Not available in the current 1-2 years.

¹¹ The expiration date of the patent is calculated by IFI based on the date the patent was granted and patent laws in effect at the time of the grant. Expiration dates are not provided for reissue patents. Information about changes in the term of the patent either for nonpayment of fees or term extensions can be found in File 123.

¹² Design patents only (available from 1980 forward).

¹³ With the introduction of the Reformed International Patent Classification (IPCR/8) on January 1, 2006, the format of the IPC group has increased in length from 3 to 4 digits. For comprehensive retrieval, both forms of the classification should be searched, e.g., S IC=H04R-025/00 OR IC=H04R-0025/00 . Advanced level classification codes can be searched directly in the ICA= index , while core level codes are searchable in the ICC= index . /MA can be used to restrict searches to the main (First) IPC; /RV indicates a reclassified code. IPCR/8 Classification codes can be linked to their attributes using the S operator.

¹⁴ Each IPCR/8 classification code is also assigned a series of attributes searchable in the IA= index. These include classification level (A - Advanced, C - Core, S - Subclass), value (I - Inventive, N - Non-inventive), position (F - First, L - Later), status (B - basic, R - Reclassified, V - Various, D - Deleted), version date, action date, source (H - Human, M - Machine, G - Generated), and assigning office. The classification attributes can be linked to an IPCR/8 classification code using the S operator and quotes around the classification code, e.g., S IA=F(S)IC="A61K-0031/198" .

¹⁵ Covers all U.S. patents including continuations, continuations-in-part, divisions, and reissues as well as PCT (WO) patents on which U.S. patents are based.

¹⁶ U.S. published application numbers and granted patent numbers can be searched with or without "US". If omitting US, patent numbers must be left-zero-filled to 7 digits, e.g. design patent S PN=0385424 or S PN=US D385424, For reissues, use RE with US, e.g. S PN=US RE35645. For plant patents, use S PN=US PP10044.

¹⁷ The display codes PN, PD and PY display only the main patent number data. In merged records, the published application and granted patent data are displayed.

¹⁸ Published patent applications are available from March 2001 forward. If the published application subsequently becomes a granted patent, information for both publications are combined in a merged record.

¹⁹ Probable assignees are created from a variety of sources, including reassignment data, correspondence addresses for pre-grant publications, etc. The PS= index or the /PS suffix applied to PA= can be used to restrict patent assignee searches to include or exclude probable assignees.

²⁰ Available only for chemical patents 1967-1979.

²¹ In-depth chemical indexing (e.g. Uniterms) can be searched and displayed only in Files 341 and 942. General and compound terms (CN=, CP=) and fragment terms (FC=, FT=) can be searched in File 942 with separate prefixes. These terms are searched in File 341 using UN= and UT=. Fragment term displays in File 942 are more comprehensive than those in File 341. Roles are available only in File 942.

²² Non-subscribers are limited to 12 hours of searching per year in File 341.

Files 340,341,942
SPECIAL FEATURES

CLAIMS®/U.S. Patents

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP, HELP IDPAT, HELP CURRENT online.

LIMIT	/ -- DIALOG Accession Number /C -- Chemical Patent /D -- Design Patents /E -- Electrical Patents /M -- Mechanical Patents	S S1/1436399-9999999 S S1/C S S5/D S S3/E S S2/M
SORT	AU, CL, IC, PA, PD, PN, TI	SORT S6/ALL/PA/PD,D PRINT S3/5/1-24/PN
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Additional RANK codes include: ANPR (Priority Application Number), AYMP (Main Application Year), AYPR (Main Priority Application Year), CJOR (Main/Original U.S. Classification), ICMA (Main International Patent Classification), ICRV (Reclassified IPC) PACODE (Patent Assignee Code), PNMP (Main Patent), PYMP (Main Patent Publication Year)	RANK PA
MAP	AN, ANMP, ANPR, ANPRYY, ANPV, ANYY, CE, CL, CLOR, CT, IC, IV, PA, PACODE, PAIV, PN, PNMP, RN	MAP PN TEMP S3
IDPAT	Identify patent duplicates and display all or selected patent groups.	IDPAT IDPAT S1 SHORT
CURRENT	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 340 CURRENT2

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Bibliographic Citation, Classification Codes, and Chemical Indexing Codes ^{21,22,23,24}
3	Medium	Title, Inventor, Assignee, Patent Number, and Application Data
4	--	Bibliographic Citation and Abstract ^{2,23,24}
5	Long	Bibliographic Citation, Abstract, Exemplary Claim, Classification Data, and Chemical Indexing codes and text ^{21,22,23,24}
6	--	Title
7	--	Bibliographic Citation, Abstract and Exemplary Claim ^{2,23,24}
8	Short	Title, Class Codes, and Chemical Indexing codes ^{21,22}
9	Full	Full Record ^{23,24}
15	--	Bibliographic Citation, Abstract, Exemplary Claim and Classification Data, without Tabular Display of Patent Number Information ²³
18	--	Title, Class Codes, and Chemical Indexing terms ²²
19	--	Full Record without Tabular Display of Patent Information ^{22,23}
26	--	Title
28	--	Title, Class Codes, and Chemical Indexing codes and text ^{21,22}
29	--	Title, Inventor, Assignee, Patent Number, Application Data, and Exemplary Claim
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

²³ Full information in these formats is not available for patents published 1950-1970.

²⁴ The presence checking program determines if a record contains merged or unmerged data, e.g., an unmerged record requested in format 2 will automatically be priced at the lower rate of format 42 in the cost estimate. See HELP RATES 340 for details.

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP REPORT, HELP PREFORM, HELP UDF, HELP TAG online.

REPORT		
PREFORMATTED REPORT		
USER DEFINED FORMATS	User-defined formats may be specified using the display codes indicated in the Search Options tables.	TYPE S3/AN,AU,PN/1-5
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/AN,AU,PN/1-5 TAG
DIRECT RECORD ACCESS	DIALOG Accession Number	TYPE 1726319/5 DISPLAY 1570955/AU,PA PRINT 1572114/9

FOR ONLINE HELP:

See HELP FIELDS 340 for searchable fields; HELP FORMAT 340 for output formats; HELP LIMIT 340 for limits; HELP RATES 340 for cost information; HELP SORT 340 for sorts.