

IFIALL (IFI Comprehensive Database)

Subject Coverage	<ul style="list-style-type: none"> • Chemistry • Engineering • Medicine • Nuclear Science • Technology 																												
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File Type	Bibliographic																												
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Features	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Thesauri</td> <td colspan="3">Controlled Term (/CT), Fragment Code (/FG), Uniterm (/UN), Cooperative Patent Classification (/CPC), International Patent Classification (/IPC)</td> </tr> <tr> <td>Alert (SDIs)</td> <td colspan="3">Every update, weekly, or monthly (monthly is the default)</td> </tr> <tr> <td>CAS Registry Number® Identifiers</td> <td><input checked="" type="checkbox"/></td> <td>Page Images</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> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td></td> <td>STN® AnaVist™</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td></td> <td>STN Easy®</td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Thesauri	Controlled Term (/CT), Fragment Code (/FG), Uniterm (/UN), Cooperative Patent Classification (/CPC), International Patent Classification (/IPC)			Alert (SDIs)	Every update, weekly, or monthly (monthly is the default)			CAS Registry Number® Identifiers	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>			STN® AnaVist™	<input type="checkbox"/>			STN Easy®	<input checked="" type="checkbox"/>
Thesauri	Controlled Term (/CT), Fragment Code (/FG), Uniterm (/UN), Cooperative Patent Classification (/CPC), International Patent Classification (/IPC)																												
Alert (SDIs)	Every update, weekly, or monthly (monthly is the default)																												
CAS Registry Number® Identifiers	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>																										
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>																										
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>																										
		STN® AnaVist™	<input type="checkbox"/>																										
		STN Easy®	<input checked="" type="checkbox"/>																										
<hr/>																													
Record Content	<ul style="list-style-type: none"> • 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, Cooperative Patent Classification (CPC) and International Patent Classification (IPC) codes. • For records prior to January 25, 2011, CA references and CAS Registry Numbers are included for many of the chemical patents. Indexing by Uniterms is provided for chemical patents. Fragment codes, which allow for substructure searching of chemical substances, and Role indicators for chemical substances are also included. • Probable patent assignee (PPA) information is updated weekly. 																												
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File Size	More than 13.8 million records (8/2019)																												
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Coverage	Chemical and chemically related patents are covered from 1950 to the present. Mechanical and electrical patents from 1963 to the present. Design patents are covered from 1980 to the present. U.S. applications published since March 15, 2001, are also included.																												
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Updates	Twice a week																												
<hr/>																													
Language	English																												
<hr/>																													
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 Email: 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**
- U.S. Patent Office Manual of Classification (available from <http://www.uspto.gov/web/patents/classification/>)
 - Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
-

- Clusters**
- AGRICULTURE
 - ALLBIB
 - AUTHORS
 - BIOSCIENCE
 - CASRNS
 - COMPUTER
 - CONSTRUCTION
 - CORPSOURCE
 - ELECTRICAL
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 - FUELS
 - GEOSCIENCE
 - HEALTH
 - HPATENTS
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 - METALS
 - PATENTS
 - PETROLEUM
 - PHARMACOLOGY
 - PHYSICS
 - POLYMERS

[STN Database Cluster](#) information (PDF).

Pricing 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 US199-609476/AP S 1996US-609476/AP S WO1991-AU272/AP	AI
Series Code of associated Application Number	/AP.SC	S 13/AP.SC or S D/AP.SC	AI
Application Year (1,2)	/AY	S 1999/AY	AI
Art Unit (1)	/ARTU	S 123/ARTU	ARTU
Claims*	/CLM	S ?DRUGS?/CLM	ECLM, ACLM
Cooperative Patent Classification (3,8,9)	/CPC	S C12N0009/CPC	CPC
Cooperative Patent Classification, Action Date (1)	/CPC.ACD	S 20121113/CPC.ACD	CPC.TAB
Cooperative Patent Classification, Keywords (9)	/CPC.KW	S C12N0009/CPC (S) I/CPC.KW	CPC.TAB
Cooperative Patent Classification, Version	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Cooperative Patent Initial Classification (3)	/CPCI	S C12N0009/CPCI	CPCI
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	XPY
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

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
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	IN
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	/IPC.I	S A61K0009-14/IPC.I	IPC.I
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 (5) (includes patent assignee code)	/PA (or /CS)	S ABBOTT?/PA S MERRELL DOW/PA S 152/PA	PA
Patent Assignee (Probable)	/PPA	S ABBOTT/PPA	PPA
Patent Assignee in Nonstandard Format (includes location)	/PAF	S LEINER/PAF S NUTRITIONAL PRODUCTS/PAF S (HEWLETT-PACKARD(S)CA)/PAF	PA
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 (3,6) (includes provisionals)	/PRN	S DE1998-29801192/PRN S US2000-1429749/PRN	PRAI
Priority Year (1)	/PRY	S 1995-2000/PRY	PRAI
Publication Date (1)	/PD	S 20020702/PD	PI
Publication Year (1)	/PY	S 2001-2003/PY	PI
Reference Non-Patent Information	/REN	S XEROGRAPHY/REN	REN

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
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
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Related Application Date (1)	/RLD	S 19790407/RLD	RLI
Related Application Number (3)	/RLN	S US1956-626211/RNL 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
Role Indicator	/RL	S 20/RL S 50437/UN (S) 30/RL S 37730/FG (L) 30/RL S 021054000R/NCLS	CT, FG, UN
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	/UN	S 00032/UN S 50437/UN (S) 30/RL	UN
Uniterm Registry Number	/URN	S 50-55-5/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-U.S. patent numbers are searchable in this field.
(8) An online thesaurus is available for this field.
(9) When searching combinations of CPC and CPC.KW data, use (S) proximity operator.

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 multfile 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/Formats
Cooperative Patent Classification (1) Patent Application Group (1)	/CPC /APPS	/CPCI, /CPCR /AP, /PRN, /RLN	S C12N0009/CPC S US56-626454/APPS S 56US-0626454/APPS	CPC APPS
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	PATS

(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

CPC (/CPC) Thesaurus

The Cooperative Patent Classification (CPC) is jointly developed and maintained by the European Patent Office and the US Patent and Trademark Office. This thesaurus is available in the /CPC search field. All relationship codes can be used with both the EXPAND and SEARCH commands.

Relationship Code	Content	Search Examples
ALL	All usually required terms (BT, SELF, CODE, DEF)	E C12M0001-005+ALL/CPC
AUTO (1)	Automatic relationship (BT, SELF, CODE, DEF)	E G01J003-443+AUTO/CPC
BT	Broader terms (BT, SELF)	E G01J003-443+BT/CPC
CODE	Classification Code (SELF, CODE)	E A01B0079-00+CODE/CPC
DEF	Definition (SELF, DEF)	E A01B0079-00+DEF/CPC
HIE	Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)	E A01B0001+HIE/CPC
MAX	All associated terms	E G01J003-44+MAX/CPC
NEXT	Next classification within the same class (SELF, NEXT)	E A01B0079-00+NEXT/CPC
NEXT(n)	Next n classification within the same class	E A01B0079-00+NEXT3/CPC
NT	Narrower terms	E G05B0019-02+NT/CPC
PREV	Previous Code within the same class (SELF, PREV)	E G05B0019-00+PREV/CPC
PREV(n)	Previous n classifications within the same class	E G05B0019-00+PREV2/CPC
TI	Complete Title of SELF Term and Broader Terms (BT, SELF)	E G05B0001-03+TI/CPC

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

Fragment Code (/FG) Thesaurus

A thesaurus-like feature is available in the Fragment Code (/FG) 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)	S 30028+ALL/FG

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

International Patent Classification (/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	All Associated Terms (BT, SELF, NT, RT)	E H01B0001-06+ALL/IPC
BRO (MAN)	Complete Class	E H01B0017-54+BRO/IPC
BT	Broader Terms (SELF, BT)	E C01F0001-00+BT/IPC
CORE (COR)	Core Codes for the Advanced Level IPC code	E C03B0001-00+CORE/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

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, 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 (2)	Independent Claim Numbers	D 6 CLMI
CLMN (2)	Number of Claims	D 4 CLMN EXF
CPC	Cooperative Patent Classification	D CPC
CPCI	CPC Initial Classification	D CPCI
CPCR	CPC Reclassification	D CPCR
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 (UP)	Entry Date (includes Update date)	D ED
EXF (2)	Examiner's Field of Search	D EXF 2,6-10
EXNAM	Examiner Name	D 7 L3 EXNAM
FG (2)	Fragment Code	D 3-10 FG
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 (2)	Issue Main National Patent Classification Code	D INCLM
INCLS (2)	Issue Secondary National Patent Classification Code	D INCLS
IPC.HIT (2)	HIT IPC codes	D IPC.HIT
IPC.UNIQ (2)	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 (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
UN (2)	Uniterm	D UN
URN (2)	Uniterm CAS Registry Number	D 1-4 URN
XPD	Expiration Date	D XPD

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
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ALLTX (1,3) APPS (1) BIB (1,3)	ALL, including text for UN and FG AI, RLI, PRAI AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, GOVI, PARN, MRN, MFN, NTE, BOTI, CLMN	D ALLTX 3-5 D APPS D 1,4-6 BIB
CBIB (1,3) CLM CPC CPC.TAB CPC.UNIQ DALL (1,3) IABS (1,3) IALL (1,3) IBIB (1,3) IC (2) ICLM IIND (2) INCL IND (2)	AN, Compressed Bibliographic Data Claims (ECLM, ACLM) CPCI, CPCR for the basic patent and patent family members CPC, CPC.KW, CPC.ACD, CPC.VER in tabular format Deduplicated list of CPC codes for the patent family ALL, delimited for post processing ABS, indented with text labels ALL, indented with text labels BIB, indented with text labels International Patent Classification (ICM, ICS) CLM with text labels IND, indented with text labels, including text for UN Issue National Patent Classification Code (INCLM, INCLS) INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR), EXF, ARTU, RN, UN (including text), URN, FG	D CBIB D CLM D CPC D CPC.TAB D CPC.UNIQ D DALL D 5 IABS D IALL 5 D CLM IBIB D 3,5,7 IC D ICLM TI 4 D 1,6 IIND IRE D INCL D L2 1-20 IND
INDTX (2) IPC (2) IPC.TAB (2) IRE (1) ISBIB (1,3) ISTD (1,3) ISTDN (1,3) ITRIAL (2) NCL (2) PASS PATS (1) RE (1) SBIB (1,3)	IND, including text for UN and FG International Patent Classification (ICM, ICS, IPCI, IPCR) IPC in Tabular Format 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) PAF, PA, PPA PI, RLI, FI, REP REP, REN AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, BOTI, MRN, MFN, CLMN (SBIB is the default)	D L3 4 INDTX D3,5,7 IPC D IPC.TAB 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
SCAN (2) STD (1,3) STDN (1,3) TRIAL (2) (TRI, SAM, FREE) FP (1) FPALL (1) FPBIB (1) FPSTDN (1)	AN, TI, CLMN, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC, ICM, ICS, RN, CT(UN), URN, FG (random display without answer number) AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, MRN, MFN, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR) AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, MRN, MFN, AB, NTE, BOTI, CLMN, ECLM, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR) AN, TI, CLMN, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR), RN, CT(UN), URN, FG Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN, EXNAM, AG, GOVI, PARN, AB, CLMN, GI Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN, EXNAM, AG, GOVI, PARN, AB, CLMN, GI, ECLM, ACLM Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, EXNAM, AG, PRAI, GOVI, PARN, CLMN Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN, EXNAM, AG, GOVI, PARN, AB, CLMN, ECLM, NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR)	D SCAN D STD D L2 STDN 1-4 D TRIAL TOTAL D L3 FP 12 D 1 4 FPALL D FPBIB 6 D FPSTDN L8

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
CPC.HIT (HITCPC) HIT KWIC OCC (2)	HIT display of CPC code searched 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 CPC.HIT or D HITCPC 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 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
Controlled Term	CT	Y	N
Cooperative Patent Classification (CPC)	CPC	Y (19)	N
CPC, Initial	CPCI	Y (20)	N
CPC, Reclassified	CPCR	Y (20)	N
CPC Hit Display	CPC.HIT (HITCPC)	Y	Y
CPC Codes Deduplicated for patent family	CPC.UNIQ	Y	Y
Disclaimer Date	DCD	Y	Y
Document Type	DT	Y	Y
Entry Date	ED	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
Fragment Code	FG	Y	N
Inventor	IN	Y	Y
Inventor in Nonstandard Format	INF	Y	N
International Patent Classification (IPC)	IPC	Y (9)	N
IPC Hit IPC codes	IPC.HIT	Y (10)	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

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

Field Name	Field Code	ANALYZE/ SELECT(1)	SORT
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
Patent Assignee (Corporate Source)	PA (CS)	Y	Y
Patent Assignee (Nonstandard Format)	PAF	Y	N
Patent Assignee (Probable)	PPA	Y	Y
Patent Case Data	PARN	Y (2)	N
Patent Countries Group	PCS	Y (4,13)	N
Patent Country	PC	Y (4)	Y
Patent Information	PI	Y (4,6,12)	Y
Patent Kind Code	PK	Y	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
Reference Patent Publication Year	RPY	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
Update Date	UP	Y	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) 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.
 (19) Select CPC selects all CPCI and CPRC classifications and appends /CPC as a field code.
 (20) SELECT appends /CPC.

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

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Sample Records

EXPAND in /CT Thesaurus

```
=> E POLYISOBUTYLENE+ALL/CT
E1      7701    -->  POLYISOBUTYLENE/CT
                UN    04220
*****  END  *****
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EXPAND in /UN Thesaurus

```
=> E 04220+ALL/UN
E1      7701    -->  04220/UN
                CT    POLYISOBUTYLENE
*****  END  *****
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EXPAND in /FG Thesaurus

```
=> E 30038+ALL/FG
E1      10373   -->  30038/FG
                CT    CARBON, 1-8 (M) (STO)
*****  END  *****
```

DISPLAY SBIB

```
AN      10139865  IFIALL
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; Katayama Yoshihiro
PA      Agency of Industrial Science & Technology JP
        Unassigned Or Assigned To Individual
        Record Has Multiple Assignees
        (1064, 68000, 92222)
PPA     Agency of Industrial Science & Technology JP (Probable)
PI      US 20020083492  A1  20020627
AI      US 2000-748264      20001227  (9)
PRAI   JP 2000-223653      20000726
FI      US 20020083492      20020627
        US 6642439          20031104
DT      Utility; Patent Application - First Publication
FS      CHEMICAL
        APPLICATION
ED      Entered STN: 28 Jun 2002
        Last Updated on STN: Jan 2011
CLMN   5
```

DISPLAY FPALL

United States Patent

Patent Number: 8341767
Kind Code: B2
Date of Patent: 20130101

PROTECTIVE GLOVE HAVING CONTOURED WRIST GUARD

Inventor(s): Winningham; Matthew M., Royal Oak, MI, US
Assignee: Warrior Sports, Inc., Warren, MI, US
Appl. No.: US 2012-399681
Filed: 20120217 (13)

Related U.S. Application Data

CONTINUATION Of Ser. No. US 2008-237118, 20080924, Pat. No. 8141175
CONTINUATION-IN-PART Of Ser. No. US 2008-51201, 20080319, Pat. No. 7861321
CONTINUATION-IN-PART Of Ser. No. US 2008-51230, 20080319, Pat. No. 7836521
CONTINUATION-IN-PART Of Ser. No. US 2008-51292, 20080319, Pat. No. 7841023

Priority Data

US 2007-975315P 20070926 (Provisional)
US 2007-895502P 20070319 (Provisional)
Int. Pat. Classif.... [08]
IPC Initial A41D0019-00
IPC Reclass A41D0019-00 [I]
U.S. Cl. 002161100
Field of Search ... 002016000; 002020000; 002161100; 002161600; 002162000;
002170000
Coop. Pat. Classif....
CPC Initial A41D0019-01523 [I]; A41D0019-01588 [I];
A63B0071-143 [I] <--

References Cited

U.S. PATENT DOCUMENTS

Patent Number	Date	Class	Inventor
US 1010199	Nov 1911		Stedman
US 1841193	Jan 1932		Lidston
US 1934332	Nov 1933		Skinner
US 2293347	Aug 1942		Lindfelt
US 2708753	May 1955		Kennedy
US 2831196	Apr 1958		Scheiber
US 3387306	Jun 1968	002159000	Korey
US 3605117	Sep 1971	002016000	Latina
US 3725957	Apr 1973	002161100	Shotmeyer
US 4027339	Jun 1977	002016000	Brucker
US 4137572	Feb 1979	002016000	Jansson et al.
US 4190902	Mar 1980	002016000	Rhee
US D257909	Jan 1981	D29117100	Brine
US 4411024	Oct 1983	002020000	Hayes
US 4484359	Nov 1984	002020000	Tirinen
US 4497073	Feb 1985	002020000	Deutsch
US 4677698	Jul 1987	002016000	Angas
US 4815147	Mar 1989	002161100	Gazzano et al.
US 4930162	Jun 1990	002020000	Cote
US 4967418	Nov 1990	002016000	Marcotte
US 4977073	Dec 1990	430549000	Ishige et al.
US 5237703	Aug 1993	002016000	Brine et al.
US 5329639	Jul 1994	002161100	Aoki
US 5390372	Feb 1995	002161200	Hashimoto et al.
US 5488739	Feb 1996	002161100	Cardinal

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US 5511243	Apr 1996	002016000	Hall et al.
US 5530967	Jul 1996	002016000	Cielo
US 5745916	May 1998	002016000	Linner
US 5781929	Jul 1998	002016000	Shikatani
US 5787506	Aug 1998	002161100	Wilder et al.
US 5946720	Sep 1999	002016000	Sauriol
US 5983396	Nov 1999	002161100	Morrow et al.
US 6085354	Jul 2000	002161100	Wilder et al.
US 6122769	Sep 2000	002016000	Wilder et al.
US 6233744	May 2001	002161100	McDuff
US 6550069	Apr 2003	002161100	Morrow
US 6643844	Nov 2003	002161100	Morrow et al.
US 7114193	Oct 2006	002163000	Winningham
US 7117540	Oct 2006	002161100	Morrow
US 7636951	Dec 2009	002161100	Morrow et al.
US 7836521	Nov 2010	002161100	Winningham
US 7841023	Nov 2010	002161100	Winningham
US 7861321	Jan 2011	002161100	Winningham
US 8141175	Mar 2012	002161100	Winningham
US 0114984	Jun 2005	002161100	Morrow et al.

FOREIGN PATENT DOCUMENTS

Patent Number	Date	Class
DE 2612307	Sep 1977	
DE 2842720	Apr 1980	
DE 2843448	Apr 1980	
DE 3135756	Apr 1983	
GB 2148094	May 1985	
WO 9943225	Sep 1999	

OTHER PUBLICATIONS

American Society for Surgery of the Hand, Hand Anatomy Diagrams, 2002.
 2000 STX Catalog, Pro 22 Glove.
 1994-1995 STX Lacrosse Equipment Catalog, p. 8.
 1987 Brine Lacrosse Catalog, pp. 12-13.
 1983 Bacharach Rasin Lacrosse Catalog, p. 2.
 1981 STX Catalog, page unknown.
 1980 STX Catalog, page unknown.
 1975 STX Lacrosse Catalog, p. 11.
 Sentry Player Gloves (prior art).
 2002 Brine X-Factor Gel Lacrosse Glove.
 1997 DR Catalog, p. 15.
 1996 JOFA Catalog, page number unknown.
 Canadian Office Action for Canadian Application 2,639,950 dated Jun. 8, 2010.

Primary Examiner - Moran, Katherine
 Attorney, Agent or Firm - Warner Norcross & Judd LLP

ABSTRACT

A protective sports glove including a contoured wrist cuff that substantially shields a gap defined between adjacent portions of the protective sports glove, such as hand and cuff portions. The contoured wrist cuff can include a leading edge that contours forwardly adjacent a thumb portion of the contoured wrist cuff and rearwardly across a portion of the radial side of a wearer's hand when the glove is on the wearer's hand. This can allow protection of the wearer's wrist in flexion without also impairing movement of the wearer's wrist.

12 Claim(s), 4 Drawing Sheet(s), 7 Figure(s).

DESCRIPTION OF FIGURES

FIG. 1 is a top view of a current embodiment of the glove including a contoured wrist guard;
FIG. 2 is a bottom view of the glove;
FIG. 3 is a first side view of the glove;
FIG. 4 is a top view of the contoured wrist guard, removed from the glove, in an extended configuration.
FIG. 5 is a top perspective view of the glove;
FIG. 6 is a top view illustration of movement of a wearer's hand; and
FIG. 7 is a side view illustration of movement of a wearer's hand.

EXEMPLARY CLAIM

D R A W I N G

1. A protective sports glove, comprising: a hand portion including a hand palmar portion and an opposing hand dorsal portion; a finger portion joined with and extending from the hand portion; a thumb portion joined with and extending from the hand portion; a cuff portion joined with the hand portion at a junction; and a contoured wrist cuff including a leading edge generally facing the finger and thumb portions, the leading edge contoured rearwardly across a dorsal side of a wearer's hand from an ulnar side of the wearer's hand to a radial side of the wearer's hand when the glove is on a wearer's hand, the leading edge contoured forwardly adjacent the thumb portion, the leading edge being contoured rearwardly across at least a portion of a radial side of a wearer's hand when the glove is on the wearer's hand; wherein the contoured wrist cuff substantially conceals the junction between the cuff portion and the hand portion without impairing at least one of radial deviation and extension of the wearer's wrist, wherein the leading edge forms a forwardmost portion adjacent the thumb, distal from the dorsal side.

NON-EXEMPLARY CLAIMS

2. The protective sports glove of claim 1 wherein the contoured wrist cuff includes a trailing edge rearwardly distal from the leading edge, the trailing edge being contoured rearwardly across the dorsal side of at least one of a wearer's hand and wrist when the glove is on a wearer's hand, the trailing edge being contoured forwardly adjacent the thumb portion, the trailing edge being contoured rearwardly across at least a portion of a radial side of a wearer's hand.

3. The protective sports glove of claim 1, wherein the contoured wrist cuff is joined to at least one of the hand portion, the thumb portion, and the cuff portion.

4. The protective sports glove of claim 1, wherein the cuff portion includes a first area and a second area, the first area of the cuff portion configured to overly the second area of the cuff portion.

5. The protective sports glove of claim 1, further including a floating subcuff portion flexibly joined with the cuff portion and extending circumferentially around at least a portion of the wearer's wrist.

6. The protective sports glove of claim 1, wherein the leading edge is contoured rearwardly in the form of a curve that opens toward the finger portions across the dorsal side.

7. The protective sports glove of claim 6, wherein the leading edge generally forms at least one of an "S" shape and a reversed "S" shape as the leading edge transitions from a first end to a second end of the contoured cuff.

8. The protective sports glove of claim 1 wherein the contoured wrist cuff includes a longitudinal axis, wherein the contoured wrist cuff defines a first distance between the leading edge and the longitudinal axis in the dorsal portion, wherein the contoured wrist cuff defines a second distance between the leading edge and the longitudinal axis adjacent the thumb portion, wherein the second distance is greater than the first distance.

9. A protective sports glove, comprising: a hand portion including a hand palmar portion and an opposing hand dorsal portion; a finger portion joined with and extending from the hand portion; a thumb portion joined with and extending from the hand portion; a cuff portion joined with the hand portion at a junction; and a contoured wrist cuff including a leading edge facing the

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finger and thumb portions, the contoured wrist cuff including a longitudinal axis, the leading edge generally aligned in parallel with the longitudinal axis from a first end of the contoured cuff to a second end of the contoured cuff, the contoured cuff including a trailing edge distal from and rearwardly displaced from the leading edge, the trailing edge being aligned with the longitudinal axis across the hand dorsal portion, the trailing edge extending rearwardly and away from the longitudinal axis adjacent a radial side of the wearer's hand, wherein the contoured wrist cuff is joined with at least one of the hand portion and the cuff portion.

10. The protective sports glove of claim 9 comprising a floating subcuff portion attached to at least one of the hand portion and the cuff portion, the floating subcuff located inwardly from the cuff portion.

11. The protective sports glove of claim 9 wherein the floating subcuff is flexibly joined to the at least one of the hand portion and the cuff portion with an elastic member.

12. The protective sports glove of claim 10 wherein the floating subcuff circumferentially encloses a user's wrist and includes opposing ends that are joined with one another.

DISPLAY IALL

ACCESSION NUMBER: 05887707 IFIAL [Full-text](#)
 TITLE: DRINK CONTAINER HOLDING DEVICE
 INVENTOR(S): Strickland; Mark B., Thousand Oaks, CA, US
 PATENT ASSIGNEE(S) NONSTD: Unassigned
 PRIMARY EXAMINER: Ramirez, Ramon
 ASSISTANT EXAMINER: Epps, Todd M
 AGENT: Castellano, Kristina
 Castellano PLLC

	NUMBER	PK	DATE
PATENT INFORMATION:	US 8342468	B1	20130101
APPLICATION INFORMATION:	US 2006-533566		20060920 (11)
EXPIRATION DATE:	20 Sep 2026		
FAMILY INFORMATION:	US 8342468		20130101
DOCUMENT TYPE:	Utility		
	Granted Patent - Utility, No Pre-Grant Publication		
FILE SEGMENT:	MECHANICAL		
	GRANTED		
ENTRY DATE:	Entered STN: 3 Jan 2013		
	Last Updated on STN: 4 Nov 2013		

ABSTRACT:

A drink container holding device for permitting articles and a beverage to be stored on a music stand includes a frame. At least one mounting assembly is coupled to the frame. The mounting assembly engages the stand to mount the frame to a stand. A sleeve is coupled to the frame. The sleeve has a beverage aperture extending therein through an upper end of the sleeve. The beverage aperture receives a drink container to allow the sleeve to support the drink container adjacent to the stand when the frame is mounted on the stand.

NOTE: Subject to any Disclaimer, the term of this patent is extended or adjusted under 35 USC 154(b) by 423 days.

NUMBER OF CLAIMS: 12
 INDEPENDENT CLAIMS: 1,11,12
 GRAPHICS INFORMATION: 14 Drawing Sheet(s), 17 Figure(s).

DESCRIPTION OF FIGURES:

FIG. 1 is a right side view of a drink container holding device according to the present invention shown mounted to a stand.
 FIG. 2 is a front view of the present invention.
 FIG. 3 is a left side view of the present invention.
 FIG. 4 is a top view of the present invention.

FIG. 5 is a cross-sectional view of the present invention taken along line 5-5 of FIG. 3.
FIG. 6 is a front view of the present invention shown in place on X-shaped stand.
FIG. 7 is a top view of an embodiment of the mounting assemblies of the present invention.
FIG. 8 is a top view of an embodiment of the mounting assemblies of the present invention.
FIG. 9 is a top view of an embodiment of the mounting assemblies of the present invention.
FIG. 10 is a top view of an embodiment of the mounting assemblies of the present invention.
FIG. 11 is a cross-sectional view of an embodiment of the present invention as shown in FIG. 5.
FIG. 12 is a side view of the present invention shown in FIG. 6.
FIG. 13 is a side view of the accessory bar of the present invention.
FIG. 14 is a rear view of the accessory bar of the present invention.
FIG. 15 depicts the drink container holding device of FIG. 1, with the sleeve removed.
FIG. 16 depicts a view of the drink container holding device depicted in FIG. 2, with the sleeve removed.
FIG. 17 depicts a top view of the drink container holding device depicted in FIG. 4, with the sleeve removed.

EXEMPLARY CLAIM(S):

D R A W I N G

1. A drink container holding system for holding a beverage container comprising: a frame; at least one mounting assembly; and a sleeve coupled to said frame, said sleeve having a beverage aperture extending therein through an upper end of said sleeve, wherein said sleeve is configured such that it is capable of receiving a drink container in said beverage aperture to allow said sleeve to support a drink container substantially adjacent to a stand when said frame is mounted to the stand; wherein at least one mounting assembly couples the sleeve to said frame, and wherein at least one mounting assembly is configured such that the mounting assembly may be engaged with a stand to mount said frame to the stand, and comprises: a plurality of clamping arms, each of said clamping arms being extendable around a portion of the stand; a securing portion being coupled to at least one of said clamping arms and selectively engaging at least one other one of said clamping arms for forcing said clamping arms against the stand to secure said clamping arms to the stand; a base portion extending toward the stand when said frame is mounted to the stand; and a neck portion coupled to at least one of said clamping arms, said neck portion being rotatably coupled to said base portion, said neck portion being rotatable from 0 to 360 degrees with respect to said base portion to adjust an angle of said clamping arms with respect to said frame to maintain said frame in a desired orientation when mounted to the stand; wherein said neck portion comprises a plurality of indexing pins outwardly extending from said neck portion, each of said indexing pins being inserted into one of a plurality of indexing slots in said base portion to permit orientation of said neck portion and said clamping arms at desired angles with respect to each other and with respect to said frame.

NON-EXEMPLARY CLAIM(S):

2. The system according to claim 1, wherein said frame comprises a stanchion portion extending substantially parallel to the stand when said frame is mounted to the stand, said at least one mounting assembly coupled to said frame being positioned on said stanchion portion of said frame.
3. The system according to claim 2, wherein said frame comprises a lateral portion being coupled to a bottom end of said stanchion portion and extending substantially orthogonally to said stanchion portion, said lateral portion extending away from the stand when said stanchion portion is mounted to the stand.
4. The system according to claim 3, wherein said frame comprises a handle loop being coupled to said stanchion portion opposite said lateral portion, said

handle loop being graspable to facilitate lifting of said frame.

5. The system according to claim 1, wherein said at least one mounting assembly configured such that it may be engaged with a stand comprises a threaded fastener slidably extending through said neck portion and threadably engaging said base portion to secure said neck portion to said base portion.

6. The system according to claim 1, further comprising at least one pocket coupled to an exterior surface of said sleeve, wherein said pocket is configured to be capable of receiving at least a portion of at least one article to be supported by said sleeve.

7. The system according to claim 1, further comprising at least one slit extending into said sleeve through an exterior surface of said sleeve, wherein said at least one slit is configured to be capable of receiving at least a portion of at least one article to be supported by said sleeve.

8. The system according to claim 1, further comprising at least one ring coupled to an exterior surface of said sleeve, and extending outwardly from said sleeve, wherein said at least one ring is configured to be capable of receiving at least a portion of at least one article to be supported by said sleeve.

9. The system according to claim 1, further comprising at least one hook outwardly extending from said sleeve, at least one hook being coupled to and extending outwardly from said frame, wherein at least one hook engages at least one article to be supported by said frame.

10. The drink container holding system of claim 1, wherein said sleeve comprises an insulating material.

11. A stand accessory holding system comprising: a frame; a sleeve coupled to said frame, said sleeve having a beverage aperture extending therein through an upper end of said sleeve, wherein said sleeve is configured such that it is capable of receiving a drink container in said beverage aperture to allow said sleeve to support a drink container substantially adjacent to a stand when said frame is mounted to the stand; and a plurality of mounting assemblies coupled to said frame and configured such that the plurality of mounting assemblies may be engaged with the stand to mount said frame to the stand, such that the plurality of mounting assemblies are capable of supporting weight of at least one of a drink container and accessory received in said sleeve; wherein said stand to which said frame may be mounted, comprises at least one pair of legs at two or more different angles, and wherein said plurality of mounting assemblies are configured for adjustable attachment to said legs at a desired height with respect to said stand, the plurality of mounting assemblies are configured such that angles of the plurality of mounting assemblies are adjustable with respect to the stand from 0-360 degrees to simultaneously mount said mounting assemblies to each leg of said stand at desired angles, to be able to maintain said drink container holding system level with respect to the ground when the drink container holding system is mounted to the legs of the stand.

12. A drink container holding system for holding a beverage container comprising: a frame; at least one mounting assembly; and a sleeve coupled to said frame, said sleeve having a beverage aperture extending therein through an upper end of said sleeve, wherein said sleeve is configured such that it is capable of receiving a drink container in said beverage aperture to allow said sleeve to support a drink container substantially adjacent to a stand when said frame is mounted to the stand; wherein at least one mounting assembly couples the sleeve to said frame, and wherein at least one mounting assembly is configured such that the mounting assembly may be engaged with a stand to mount said frame to the stand, and comprises: a plurality of clamping arms, each of said clamping arms being extendable around a portion of the stand; a securing portion being coupled to at least one of said clamping arms and selectively engaging at least one other one of said clamping arms for forcing said clamping arms against the stand to secure said clamping arms to the stand; a base portion extending toward the stand when said frame is mounted to the stand; and a neck portion coupled to at least one of said clamping arms, said neck portion being rotatably coupled to said base portion, said neck portion being rotatable from 0 to 360 degrees with respect to said base portion to adjust an angle of said clamping arms with respect to said frame to maintain said frame in a desired orientation when mounted to the stand; wherein said neck portion comprises a bearing to permit orientation of said neck portion and said clamping arms at desired angles with respect to each other and with respect to said frame.

CITED US REFERENCES:	US 0625032	May 1899	248230400	Homan
	US 0663121	Dec 1900	248230400	Frost
	US 1600027	Sep 1926	224223000	Welsand
	US 3414311	Dec 1968	294034000	Trimboli
	US 4436232	Mar 1984	224462000	Zane et al.
	US 4437596	Mar 1984	224414000	Shook
	US 4449654	May 1984	224148600	Cappis
	US 4535921	Aug 1985	223106000	Sanders
	US 4702446	Oct 1987	248210000	Brown
	US 4765581	Aug 1988	248311200	Wallace et al.
	US 4883205	Nov 1989	224414000	Saelens et al.
	US 4993611	Feb 1991	224148400	Longo
	US 5244114	Sep 1993	220737000	Traegde
	US 5249770	Oct 1993	248311200	Louthan
	US 5294028	Mar 1994	224148500	Bankroff
	US 5301634	Apr 1994	119477000	Ho
	US 5312037	May 1994	237012300C	Hand
	US 5337907	Aug 1994	211088010	McKenzie et al.
	US 5362022	Nov 1994	248313000	McLoughlin et al.
	US 5425484	Jun 1995	224414000	Kawand et al.
	US 5427285	Jun 1995	224414000	Kreitzman
	US 5441225	Aug 1995	248231610	Hall
	US 5454497	Oct 1995	224148600	Kettelson
	US 5464183	Nov 1995	248311200	McConnell et al.
	US 5474273	Dec 1995	248311200	Vinal
	US 5484129	Jan 1996	248311200	Megal
	US D370835	Jun 1996	D07620000	Nachtrab
	US 5598995	Feb 1997	248074300	Meuth et al.
	US 5864289	Jan 1999	340568700	Tiemann
	US 6053340	Apr 2000	211085700	Cameron
	US 6231058	May 2001	280033992	Kimbrough et al.
	US 6505802	Jan 2003	248311200	Fowler
	US 6588440	Jul 2003	135090000	Varnado
	US 6588716	Jul 2003	248125800	Heid
	US 6726069	Apr 2004	224148700	Machover
	US 6752279	Jun 2004	211107000	Dwyer
	US 6802484	Oct 2004	248311200	Kiley et al.
	US 6983918	Jan 2006	248311200	Leasure
	US 7063298	Jun 2006	248309100	Henry
	US 7090183	Aug 2006	248314000	Heybl et al.
	US 7156353	Jan 2007	248311200	Kringel et al.
	US 7226029	Jun 2007	248311200	Hoshi
	US 7275729	Oct 2007	248311200	Sherman et al.
	US 8033518	Oct 2011	248311200	Schuchman
	US 0013568	Aug 2001	248311200	Berenguer
	US 0094556	May 2003	248311200	Meggiolan
	US 0012706	Jan 2007	220737000	Deadman
	US 0080274	Apr 2007	248310000	Ouellette
	US 0210229	Sep 2007	248311200	Brenner et al.
	US 0267551	Nov 2007	248125800	Townsend

CURRENT U.S. PATENT CLASSIF.:

MAIN: 248311200
 SECONDARY: 248309100; 248313000; 248316100; 224148100;
 224148400; 224282000; 224679000

COOP. PATENT CLASSIF.:

INITIAL: A47G0023-0225 [I] <--

INT. PATENT CLASSIF.: [08]

INITIAL: A47K0001-08
 RECLASS: A47K0001-08 [I]

FIELD OF SEARCH:

248309100; 248311200; 248313000; 248316100;
 248315000; 248689000; 248690000; 248226110;
 248227300; 248230500; 248231610; 248292120;
 248229100; 248229140; 248229150; 248229250;
 248228600; 248230100; 248230600; 248231710;
 224148100; 224148400; 224148700; 224282000;

22
IFIALL

224679000; 224926000; 403289000; 403290000;
403398000; 403097000; 220703000; 220737000
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