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## Chemistry Subject Engineering Coverage Medicine **Nuclear Science** Technology File Type Bibliographic Controlled Term (/CT), Fragment Code (/FG), Uniterm (/UN), Cooperative Thesauri **Features** Patent Classification (/CPC), International Patent Classification (/IPC) Every update, weekly, or monthly (monthly is the default) Alert (SDIs) Page Images Register Links **CAS Registry** $\overline{\mathbf{Q}}$ $\overline{\mathbf{A}}$ Number® Identifiers **SLART** Keep & Share $\overline{\mathbf{A}}$ $\square$ Structures Learning Database П Front page and bibliographic data, abstracts and claims from U.S. patents. Record Standard bibliographic and patent data; USPTO Classifications (original and cross Content 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. More than 18 million records (10/2025) File Size Chemical and chemically related patents are covered from 1950 to the present. Coverage 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. **Updates** Twice a week English Language IFI CLAIMS® Patent Services. **Database** a division of Fairview Research LLC **Producer** P.O. Box 1148, Madison, CT 06443 Phone: (203) 779-5301 (203) 583-4521

## **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
- ENGINEERING
- ENVIRONMENT
- FUELS
- GEOSCIENCE
- HEALTH
- HPATENTS
- MATERIALS
- MEDICINE
- 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 *  Accession Number (1) Agent (Legal Representative)	/AB /AN /AG (or /LREP)	S MODEL?/AB S ?ACTION?/AB S 2758301/AN S SPENCER & FRANK/AG	AB AN AG
Application Country (2) Application Date (1,2)	/AC	S US/AC AND 2000/AY S WO/AC S 19770603/AD	Al
Application Number (2,3)	/AP	S JUN 3 1997/AD S US199-609476/AP S 1996US-609476/AP	Al
Series Code of associated Application Number Application Year (1,2) Art Unit (1) Claims* Cooperative Patent Classification (3,8,9) Cooperative Patent Classification, Action Date (1) Cooperative Patent Classification, Keywords (9) Cooperative Patent Classification, Version Cooperative Patent Initial Classification (3) Controlled Term (4) Controlled Term, Business Methods Disclaimer Date (1) Document Type (code and text)	/AP.SC /AY /ARTU /CLM /CPC /CPC.ACD /CPC.KW /CPC.VER /CPCI /CT /CT.BM /DCD /DT (or /TC)	S WO1991-AU272/AP S 13/AP.SC or S D/AP.SC S 1999/AY S 123/ARTU S ?DRUGS?/CLM S C12N0009/CPC S 20121113/CPC.ACD S C12N0009/CPC (S) I/CPC.KW S 20130101/CPC.VER S C12N0009/CPCI S ACETIC ACID/CT S PACKAGE TRACKING/CT.BM S DCD>=20020100 S REISSUE/DT S RR/DT S PATENT APPLICATION?/DT S L1 AND ED>=20020700	AI AI ARTU ECLM, ACLM CPC CPC.TAB CPC.TAB CPC.TAB CPC.TAB CPCI CT CT DCD DT
Examiner Name Examiner's Field of Search Expiration Date (1) Expiration Year (1) Family Member Country Family Member Date (1) Family Member Number (3)	/EXNAM /EXF /XPD /XPY /FC /FD /FN	S ROBERTS?/EXNAM S 430123000/EXF S L1 AND XPD>=19980100 S L1 AND XPY>=1999 S DE/FC S 20000104/FD S US30870/FN S US30870/FN	EXNAM EXF XPD XPD FI FI
Family Member Year (1) Field Availability	/FY /FA	S FY>1998 S L1 AND CLM/FA S AB/FA AND L7	FI 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) International Patent Classification (IPC)(includes Main and Secondary IPCs)	/FG /IC	S 37730/FG (L) 30/RL S A24B/IC	FG IC, ICM, ICS

**Search and Display Field Codes (cont'd)** 

Search Field Name	Search Code	Search Examples	Display Codes
Inventor (includes location)	/IN	S FLINT?/IN	IN
	(or /AU)	S FLINT ALAN G/IN	
	( /	S (GREEN, A? (S) GB)/IN	
Inventor in Nonstandard Format	/INF	S CREETH/INF	IN
(includes location)		S (GLASSER (S) VA)/INF	
IPC Action Date (1)	/IPC.ACD	S 20061228/IPC.ACD	IPC, IPC.TAB
IPC Keyword	/IPC.KW	S ADVANCED/IPC.KW	IPC, IPC.TAB
IPC Old (IC, ICM, ICS)	/IPC.OLD	S A24B/IPC.OLD	IPC, IPC.TAB
IPC Version	/IPC.VER	S 20060101/IPC.VER	IPC, IPC.TAB
IPC, Initial	/IPCI	S A61K0009-14/IPCI	IPCI
IPC, Main	/ICM	S A01N001/ICM	IC, ICM
n o, man	7.0	S A01N-001/02/ICM	10, 10
IPC, Main Group, Range-Searchable	/MGR	S 10-20/MGR (S) C07C/IC	IC, ICM, ICS
(1)			
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	/INCL	S 424093100/INCL	INCL
Code	7	0 12 1000 100/11102	
Issue Main National Patent Classification Code	/INCLM	S 424234100/INCLM	INCLM, INCL
Issue Secondary National Patent	/INCLS	S 424200100/INCLS	INCLS, INCL
Classification Code	71020	2 12 12 3 1 3 3 / 11 3 2 3	
Language (code and text)	/LA	S EN/LA AND ABBOTT?/EXNAM	Not displayed
Main National Patent Classification	/NCLM	S 003001000/NCLM	NCL, NCLM
Code	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
National Patent Classification Code	/NCL	S 002002500/NCL	NCL, NCLM,
(includes main and secondary NCLs)			NCLS
National Patent Classification, Range-	/NCLR	S 2002000-20640000/NCLR	NCL, NCLM,
Searchable (1)			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)	/PA	S ABBOTT?/PA	PA
(includes patent assignee code)	(or /CS)	S MERRELL DOW/PA	
		S 152/PA	
Patent Assignee (Probable)	/PPA	S ABBOTT/PPA	PPA
Patent Assignee in Nonstandard	/PAF	S LEINER/PAF	PA
Format (includes location)		S NUTRITIONAL PRODUCTS/PAF	
,		S (HEWLETT-PACKARD(S)CA)/PAF	
Patent Country (2)	/PC	S US/PC AND PY>1999	PI
, ( )		S WO/PC	
Patent Kind Code	/PK	S A1/PK	PI
Patent Number (2,3)	/PN	S US30843/PN	PI
		S US30843/PN	
		S WO9200563/PN	
		S US2002026659/PN	
Patent Number/Kind Code	/PNK	S US30843/PNK	PNK
Priority Country	/PRC	S DE/PRC	PRAI
Priority Date (1)	/PRD	S 19950109/PRD	PRAI
Priority Number (3,6)	/PRN	S DE1998-29801192/PRN	PRAI
(includes provisionals)		S US2000-1429749/PRN	
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 Reference Patent Country Reference Patent Inventor Reference Patent Number (7)	/RPCL /RPC /RPIN /RPN	S D01101000/RPCL S AU/RPC S PETROPOULOS?/RPIN S AT24742/RPN	REP REP REP REP
Reference Patent Publication Date (1) Reference Patent Publication Year (1) Related Application Country Related Application Date (1) Related Application Number (3)	/RPD /RPY /RLC /RLD /RLN	S JUL 1990/RPD S 1995-1998/RPY S US/RLC S 19790407/RLD S US1956-626211/RNL S 1956-626211/RLN	REP REP RLI RLI RLI
Related Application Type (code and text)	/RLT	S CIP/RLT S CONTINUATION-IN-PART/RLT	RLI
Related Application Year (1)	/RLY /RLPN	S 1988-1990/RLY	RLI RLI
Related Patent Number (3) Related Publication Indicator (code and text)	/RLPN /RLP	S US3753535/RLPN 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	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 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/Formats
Cooperative Patent Classification (1) Patent Application Group (1)	/CPC /APPS	/CPCI, /CPCR /AP, /PRN, /RI N	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

<sup>(1)</sup> 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 AUTO (1) BT CODE DEF HIE	All usually required terms (BT, SELF, CODE, DEF) Automatic relationship (BT, SELF, CODE, DEF) Broader terms (BT, SELF) Classification Code (SELF, CODE) Definition (SELF, DEF) Hierarchy terms (all broader and narrower terms) (BT, SELF,	E C12M0001-005+ALL/CPC E G01J003-443+AUTO/CPC E G01J0003-443+BT/CPC E A01B0079-00+CODE/CPC E A01B0079-00+DEF/CPC E A01B0001+HIE/CPC
MAX NEXT NEXT(n) NT PREV PREV(n)	DEF, NT) All associated terms Next classification within the same class (SELF, NEXT) Next n classification within the same class Narrower terms Previous Code within the same class (SELF, PREV) Previous n classifications within the same class Complete Title of SELF Term and Broader Terms (BT, SELF)	E G01J0003-44+MAX/CPC E A01B0079-00+NEXT/CPC E A01B0079-00+NEXT3/CPC E G05B0019-02+NT/CPC E G05B0019-00+PREV/CPC E G05B0019-00+PREV2/CPC E G05B0001-03+TI/CPC

<sup>(1)</sup> 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 BRO (MAN) BT CORE (COR) ED HIE INDEX KT NEXT NT PREV RT (SIB) TI	All Associated Terms (BT, SELF, NT, RT) Complete Class Broader Terms (SELF, BT) Core Codes for the Advanced Level IPC code Complete title of the SELF term and IPC manual edition Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT) Complete title of the SELF term Keyword Terms (catchwords) (SELF, KT) Next Classification Narrower Terms (SELF, NT) Previous Classification Related Terms (SELF, RT) Complete Title of the SELF Term and Broader Terms (BT, SELF)	E H01B0001-06+ALL/IPC E H01B0017-54+BRO/IPC E C01F0001-00+BT/IPC E C03B0001-00+CORE/IPC E C01F0001-00+ED/IPC E C01C0003-00+HIE/IPC E C01F0001-00+INDEX/IPC E INJECTION+KT/IPC E C01C0001-00+NEXT5/IPC E C01C+NT/IPC E C01C0001-12+PREV10/IPC E C01C0003-20+RT/IPC E C01F0001-00+TI/IPC

## **DISPLAY and PRINT Formats**

Any combination of display formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L3 1-10 TI,AB 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 <b>(2)</b>	Accession Number	D L3 AN 1-5
ARTÚ <b>(2)</b>	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
EXNÀM	Examiner Name	D 7 L3 EXNAM
FG <b>(2)</b>	Fragment Code	D 3-10 FG
FI (ÈŃ) <b>(1)</b>	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 <b>(2)</b>	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) <b>(1)</b>	Patent Information	D 1,5,10 PI
PNK	Patent Number/Kind Code	D PNK
PPA	Patent Assignee (Probable)	D PPA
PRAI (PRN) <b>(1)</b>	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	DTI
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
ABS	AB, NTE, BOTI, CLMN	D ABS
ALL <b>(1,3)</b>	AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI,	D 3 ALL
	PRAI, FI, DT, CDAT, FS, OS, ED, GOVI, PARN, MRN, MFN, AB, NTE, BOTI,	
	CLMN, CLMI, GI, ECLM, ACLM, REP, REN, INCL (INCLM, INCLS), NCL	
ALLTX (1,3)	(NCLM, NCLS), CPC (CPCI, CPCR), IPC, EXF, ARTU, RN, UN(CT), URN, FG ALL, including text for UN and FG	D ALLTX 3-5
APPS (1)	ALL, Including text for on and FG	D APPS
BIB <b>(1,3)</b>	AN, TI, INF, IN, PAF, PA, PPA, EXNAM, AG, PI, AI, PTERM, DCD, XPD, RLI,	D 1,4-6 BIB
(-,,	PRAI, FI, DT, CDAT, FS, OS, ED, GOVI, PARN, MRN, MFN, NTE, BOTI, CLMN	,
CBIB (1,3)	AN, Compressed Bibliographic Data	D CBIB
CLM	Claims (ECLM, ACLM)	D CLM
CPC	CPCI, CPCR for the basic patent and patent family members	D CPC
CPC.TAB	CPC, CPC.KW, CPC.ACD, CPC.VER in tabular format	D CPC.TAB
CPC.UNIQ	Deduplicated list of CPC codes for the patent family ALL, delimited for post processing	D CPC.UNIQ D DALL
DALL <b>(1,3)</b> IABS <b>(1,3)</b>	ALL, delimited for post processing  ABS, 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 (2)	International Patent Classification (ICM, ICS)	D 3,5,7 IC
ICLM	CLM with text labels	D ICLM TI 4
IIND <b>(2)</b>	IND, indented with text labels, including text for UN	D 1,6 IIND IRE
INCL	Issue National Patent Classification Code (INCLM, INCLS)	D INCL
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	IPCI, IPCR), EXF, ARTU, RN, UN (including text), URN, FG	
INDTX (2)	IND, including text for UN and FG	D L3 4 INDTX
IPC (2)	International Patent Classification (ICM, ICS, IPCI, IPCR)	D3,5,7 IPC D IPC.TAB
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ISBIB (1,3)	SBIB, indented with text labels	D L3 ISBIB
ISTD (1,3)	STD, indented with text labels	DISTD
ISTDN (1,3)	STDN, indented with text labels	DISTDN
ITRIAL (2)	TRIAL, indented with text labels	D TRIAL
NCL (2)	National Patent Classification Code (NCLM, NCLS)	D NCL
PASS	PAF, PA, PPA	D PASS
PATS (1)	PI, RLI, FI, REP	D PATS
RE (1)	REP, REN	D RE 8,11
SBIB <b>(1,3)</b>	AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, BOTI, MRN,	D SBIB 3 L2
SCAN (2)	MFN, CLMN (SBIB is the default) AN, TI, CLMN, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR),	
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STD (1,3)	AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, MRN, MFN,	D STD
(.,.,	INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR), IPC (ICM,	
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	IPCI, IPCR)	
STDN (1,3)	AN, TI, IN, PA, PPA, PI, AI, RLI, PRAI, FI, DT, CDAT, FS, OS, ED, MRN, MFN,	D L2 STDN 1-4
	AB,	
	NTE, BOTI, CLMN, ECLM, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC	
TDIAL (2) /TDI	(CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR) AN, TI, CLMN, INCL (INCLM, INCLS), NCL (NCLM, NCLS), CPC (CPCI, CPCR),	D TRIAL TOTAL
TRIAL <b>(2)</b> (TRI, SAM, FREE)	IPC (ICM, ICS, IPCI, IPCR), RN, CT(UN), URN, FG	D INIAL IOTAL
FP (1)	Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN,	D L3 FP 12
(')	EXNAM, AG, GOVI, PARN, AB, CLMN, GI	5 2011 12
FPALL (1)	Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI,	D 1 4 FPALL
` '	IPC (ICM, ICS, IPCI, IPCR), NCL (NCLM, NCLS), CPC (CPCI, CPCR), EXF,	
	REP, REN, EXNAM, AG, GOVI, PARN, AB, CLMN, GI, ECLM, ACLM	
FPBIB (1)	Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, EXNAM,	D FPBIB 6
	AG, PRAI, GOVI, PARN, CLMN	1

FPSTDN (1)	Front page format for PI, TI, INF, PAF, AI, PTERM, DCD, RLI, PRAI, REP, REN,	D FPSTDN L8	
	EXNAM, AG, GOVI, PARN, AB, CLMN, ECLM, NCL (NCLM, NCLS), CPC		
	(CPCI, CPCR), IPC (ICM, ICS, IPCI, IPCR)		

# **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

 <sup>(1)</sup> 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.

<sup>(3)</sup> 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	Ý	N N
Agent (Legal Representative)	AG	Ý (3)	Y
Application Country	AC	Y (4)	Ϋ́
Application Date	AD		Ϋ́
		Y (4)	Y
Application Information	AI	Y (4,5,6)	
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	Υ
Author (Inventor)	AU	Υ	Υ
Botanical Information	BOTI	Y (2)	N
CAS Registry Number	RN	Υ	N
Controlled Term	CT	Υ	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	Ý	Ϋ́
Disclaimer Date	DCD	Ý	Ϋ́
Document Type	DT	Ÿ	Ϋ́
	ED	Y	Ϋ́
Entry Date			
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 <b>(4)</b>	N
File Segment	FS	Υ	Y
Fragment Code	FG	Υ	N
Inventor	IN	Υ	Υ
Inventor in Nonstandard Format	INF	Υ	N
International Patent Classification (IPC)	IPC	Y (9)	N
,	IC	Y (10)	Υ
IPC Hit IPC codes	IPC.HIT	Y (9)	Ϋ́
IPC Unique IPC codes in record	IPC.UNIQ	Y (9)	Ý
IPC, Initial	IPCI	Y (9)	Ň
IPC, Main	ICM	Y	Y
IPC, Reclassified	IPCR	Ý (9)	l 'n
IPC, Secondary	ICS	Y (9)	Y
Issue National Patent Classification Code	INCL	Ý	Ϋ́
Issue Main National Patent Classification Code	INCL	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	Υ

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

Field Name	Field Code	ANALYZE/	SORT
		SELECT(1)	
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	Υ
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	Υ	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	Υ
Title	TI	Y (default)	Y
Treatment Code	TC	Y (18)	Υ
Uniterm	UN	Y (4)	N
Uniterm Registry Number	URN	Υ	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 CPCR 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	=> 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.'
Ĭ	:S-	repeat search backward for the current string
End DISPLAY BROWSE	:END =>	exit DISPLAY BROWSE and return to => prompt

## Sample Records

### **EXPAND** in /CT Thesaurus

### **EXPAND** in /UN Thesaurus

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

### **EXPAND** in /FG Thesaurus

## **DISPLAY SBIB**

```
AN
     10139865 IFIALL
     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)
     US 20020083492 A1 20020627
     US 2000-748264
                      20001227
ΑI
PRAI JP 2000-223653
                          20000726
     US 20020083492 20020627
US 6642439 20031104
                        20031104
DT
     Utility: Patent Application - First Publication
     CHEMICAL
     APPLICATION
   Entered STN: 28 Jun 2002
ED
     Last Updated on STN: Jan 2011
CLMN 5
```

#### **DISPLAY FPALL**

Datent

Patent Number: 8341767 United States Patent Kind Code: 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 20120217 (13) Filed:

### 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
	2708753			Kennedy
US	2831196	Apr 1958		Scheiber
			002159000	Korey
			002016000	Latina
US	3725957	Apr 1973	002161100	Shotmeyer
			002016000	Brucker
US	4137572	Feb 1979	002016000	Jansson et al.
US	4190902	Mar 1980	002016000	Rhee
US	D257909	Jan 1981	D29117100	Brine
			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		002016000	Marcotte
US	4977073	Dec 1990	430549000	Ishige et al.
US	5237703	Aug 1993	002016000	Brine et al.
			002161100	
			002161200	
US	5488739	Feb 1996	002161100	Cardinal

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

#### DRAWING

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

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 circumferentiates a user's wrist and includes opposing ends that are joined with one another.

### **DISPLAY IALL**

05887707 IFIALL Full-text ACCESSION NUMBER: 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 US 8342468 FAMILY INFORMATION:

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.

20130101

NUMBER OF CLAIMS: 12 INDEPENDENT CLAIMS: 1,11,12

14 Drawing Sheet(s), 17 Figure(s). GRAPHICS INFORMATION:

## 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):

#### DRAWING

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.

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CITED US REFERENCES:
                          US 0625032
                                         May 1899
                                                     248230400
                                                                  Homan
                                        Dec 1900
                          US 0663121
                                                     248230400
                                                                  Frost
                                        Sep 1926
                          US 1600027
                                                                  Welsand
                                                     224223000
                          US 3414311
                                        Dec 1968
                                                                 Trimboli
                                                     294034000
                          US 4436232
                                        Mar 1984
                                                     224462000
                                                                 Zane et al.
                                        Mar 1984
                          US 4437596
                                                     224414000
                                                                 Shook
                                                     224148600
                          US 4449654
                                        May 1984
                                                               Cappis
                          US 4535921
                                        Aug 1985
                                                     223106000
                                                                 Sanders
                          US 4702446
                                        Oct 1987
                                                     248210000
                                                                 Brown
                                        Aug 1988
                          US 4765581
                                                                 Wallace et al.
                                                     248311200
                                        Nov 1989
                                                     224414000
                                                                  Saelens et al.
                          US 4883205
                          US 4993611
                                        Feb 1991
                                                     224148400
                                                                  Longo
                                        Sep 1993
                          US 5244114
                                                     220737000
                                                                  Traeqde
                                         Oct 1993
                          US 5249770
                                                     248311200
                                                                  Louthan
                                        Mar 1994
                          US 5294028
                                                     224148500
                                                                  Bankroff
                                        Apr 1994
                          US 5301634
                                                     119477000
                                                                  HΟ
                                        May 1994
                          US 5312037
                                                     237012300C
                                                                  Hand
                                        Aug 1994
                          US 5337907
                                                     211088010
                                                                  McKenzie et al.
                          US 5362022
                                        Nov 1994
                                                     248313000
                                                                  McLoughlin et al.
                                        Jun 1995
                          US 5425484
                                                     224414000
                                                                  Kawand et al.
                          US 5427285
                                       Jun 1995
                                                     224414000
                                                                 Kreitzman
                          US 5441225
                                       Aug 1995
                                                     248231610
                                                                 Hall
                          US 5454497
                                       Oct 1995
                                                     224148600
                                                                 Kettelson
                                       Nov 1995
                          US 5464183
                                                     248311200
                                                                 McConnell et al.
                                       Dec 1995
                          US 5474273
                                                     248311200
                                                                 Vinal
                          US 5484129
                                        Jan 1996
                                                     248311200
                                                                 Megal
                                        Jun 1996
                          US D370835
                                                     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
                                                                 Kimbrough et al.
                                                     280033992
                          US 6505802
                                        Jan 2003
                                                                 Fowler
                                                     248311200
                          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
                                                                 Henry
                                                     248309100
                          US 7090183
                                        Aug 2006
                                                     248314000
                                                                 Heybl et al.
                                        Jan 2007
                          US 7156353
                                                     248311200
                                                                  Kringel et al.
                          US 7226029
                                        Jun 2007
                                                     248311200
                                                                  Hoshi
                                        Oct 2007
                          US 7275729
                                                     248311200
                                                                  Sherman et al.
                                        Oct 2011
                          US 8033518
                                                     248311200
                                                                  Schuchman
                                        Aug 2001
                                                     248311200
                          US 0013568
                                                                  Berenguer
                                        May 2003
                          US 0094556
                                                     248311200
                                                                 Meggiolan
                          US 0012706
                                        Jan 2007
                                                     220737000
                                                                  Deadman
                          US 0080274
                                        Apr 2007
                                                     248310000
                                                                  Ouellette
                                         Sep 2007
                          US 0210229
                                                     248311200
                                                                  Brenner et al.
                          US 0267551
                                         Nov 2007
                                                     248125800
                                                                  Townsend
CURRENT U.S. PATENT CLASSIF.:
 MATN:
                          248311200
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                          248309100; 248313000; 248316100; 224148100;
                          224148400; 224282000; 224679000
COOP. PATENT CLASSIF.:
                                     A47G0023-0225 [I] <--
                          INITIAL:
INT. PATENT CLASSIF.:
                        [80]
                          INITIAL:
                                     A47K0001-08
                                    A47K0001-08 [I]
                          RECLASS:
                          248309100; 248311200; 248313000; 248316100;
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                          248315000; 248689000; 248690000; 248226110;
                          248227300; 248230500; 248231610; 248292120;
                          248229100; 248229140; 248229150; 248229250;
                          248228600; 248230100; 248230600; 248231710;
                          224148100; 224148400; 224148700; 224282000;
```

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

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