

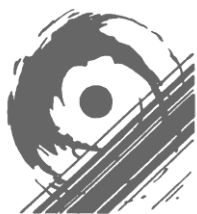
Americký patentový a známkový úřad

Databáze patentů



United States Patent and Trademark Office

An Agency of the Department of Commerce



Úřad průmyslového vlastnictví
Antonína Čermáka 2a
160 68 Praha 6

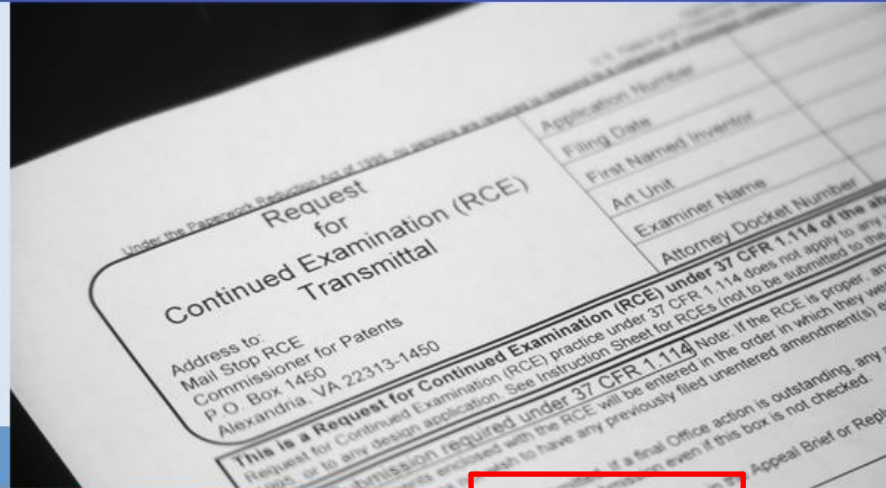
javratova@upv.cz





AFCP 2.0 Pilot Program Extended

Our After Final Consideration Pilot (AFCP 2.0) has been extended to December 14, 2013. Learn more about the program, part of our ongoing efforts toward compact prosecution and increased collaboration between examiners and stakeholders.



The Director's Forum

A blog from USPTO's leadership



America Invents Act

Your guide >>

>> [patents](#)

>> [trademarks](#)

>> [iplaw&policy](#)

One of the Best Places to Work

Ranked #5 of federal agency subcomponents



Latest Patent Examiner Guidance

112(f) training materials



USPTO Track One

Prioritized patent examination



IP Awareness Assessment Tool



POPULAR LINKS

[Patent Search](#)

Patents: File Online [EFS-Web]

Patents: Check Application Status [PAIR]

Patents Online Services

Patents Ombudsman

Trademark Search [TESS]

Trademarks: File Online [TEAS]

Trademarks: Check Status/Documents [TSDR]

Trademark Basics

Official Gazette for Trademarks

Forms

Fees

Manuals (incl. MPEP and TMEP)

USPTO NEWS

U.S. Department of Commerce Public Meeting on "Copyright Policy, Creativity, and Innovation in the Digital Economy" Report Postponed to December 12, 2013

U.S. Department of Commerce to Host Meeting and Seek Comments on Recent "Copyright Policy, Creativity, and Innovation in the Digital Economy" Report

USPTO to Host 18th Annual Independent Inventor Conference

USPTO to Host America Invents Act Second Anniversary Forum

USPTO to Host Next Software Partnership Meeting in Berkeley, California

USPTO Seeks Nominations for the



Patent Search

Patent Process

Search for Patents

Patent Full-Text Databases (PatFT & AppFT)

- Patent Application Information Retrieval (PAIR)
- Patent Assignment Database (AOTW-P)
- Scientific and Technical Information Center (STIC) Information
- USPTO Patent Document Authority Files
- Accessing Published Applications
- Filing Years and Patent Application Serial Numbers Since 1882
- Withdrawn Patent Numbers
- View Fee Schedule
- File Online
- Check Status
- Maintain/Pay Fees
- Appeal (PTAB)
- Change Ownership

Patent Classification

Patent Forms

Statistics

Electronic Business Center

Patent Laws, Regulations, Policies & Procedures

Resources and Guidance

Office of Data Management

Announcements

Initiatives & Events

International Protection

Search for Patents

New to Patent Searching? See this important information about searching for patents:

- [How do I know if my invention is patentable?](#)
- [How to Conduct a Preliminary U.S. Patent Search: A Step by Step Strategy](#) - Web Based Tutorial (36 minutes)
- [The Seven-Step Strategy](#) - Outlines a suggested procedure for patent searching

Patents may be searched using the following resources:

- [USPTO Patent Full-Text and Image Database \(PatFT\)](#)
- [USPTO Patent Application Full-Text and Image Database \(AppFT\)](#)
- [Global Patent Search Network \(GPSN\)](#)
- [Patent Application Information Retrieval \(PAIR\)](#)
- [Public Search Facility](#)
- [Patent and Trademark Resource Centers \(PTRCs\)](#)
- [Patent Official Gazette](#)
- [Common Citation Document \(CCD\)](#)
- [Search International Patent Offices](#)
- [Search Published Sequences](#)
- [Patent Assignment Database \(Assignments on the Web\)](#)

USPTO Patent Full-Text and Image Database (PatFT)

Inventors are encouraged to search the USPTO's patent database to see if a patent has already been filed or granted that is similar to your patent. Patents may be searched in the USPTO Patent Full-Text and Image Database (PatFT). The USPTO houses full text for patents issued from 1976 to the present and PDF images for all patents from 1790 to the present.

Searching Full Text Patents (Since 1976)

Customize a search on all or a selected group of elements (fields) of a patent.

- [Quick Search](#)
- [Advanced Search](#)
- [Patent Number Search](#)

Searching PDF Image Patents (Since 1790)

Searches are limited to patent numbers and/or classification codes for pre-1976 patents.

- [View Patent Full-Page Images](#)
- [How to View Patent Images](#)

[Back to top](#)

USPTO Patent Application Full-Text and Image Database (AppFT)

Search for Full-Text and Image versions of patent applications. Customize searches on all fields of a patent application in the AppFT for Full-Text searches.

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[View Cart](#)

Data current through October 8, 2013.

Query [\[Help\]](#)

Term 1: in Field 1:

Term 2: in Field 2:

Select years [\[Help\]](#)

Patents from 1790 through 1975 are searchable only by Issue Date, Patent Number, and Current US Classification.
When searching for specific numbers in the Patent Number field, patent numbers must be seven characters in length, excluding commas, which are optional.

Help on the Quick Search Page

This page contains information on how to use the Quick Search Page. If, after reading this page, you have any unanswered questions, please read the [FAQ](#).

The Quick Search Page allows you to search the US Patent Full Text Database using two-term Quick search queries. There are seven steps to using the Quick Search Page:

1. Select a year or range of years to search from the **Select years to search** drop-down menu.
2. Enter a term in the text entry box labeled **Term 1**.
3. Select which field to apply to Term 1 by using the **Field 1** drop-down menu located to the right of the Term 1 box.
4. Select a **Quick Operator** (AND, OR, or ANDNOT) from the menu located between the two Term boxes.
5. Enter a term in the text entry box labeled **Term 2**.
6. Select which field to apply to Term 2 by using the **Field 2** drop-down menu located to the right of the Term 2 box.
7. Hit the **Search** button.

Some points to note:

- If you want to search for a single term, skip steps 4-6.
- The search is not case-sensitive. Searching for *Needle* and searching for *needle* will produce the same results.
- When a search query has been entered, the search results and a hit list of the 50 most recent patents will be displayed.
- For some terms, you must specify the field to search in to get the hits you expect. For instance, if you are searching for a patent number or inventor name, you **must** select 'Patent Number' or 'Inventor Name' from the 'Field' menu. Searching the patent number or inventor name in all fields will not retrieve hits in just this field, but rather anywhere in the body of the text. If you are having difficulty searching for a specific field, please see the [Field Search Help Page](#).
- The **Refine Search** box uses the same search syntax as the Advanced Search Page. See the [Advanced Search Help Page](#) for help on using it. The refined search is automatically conducted in the same range of years as your original search.
- Enter a number in the **Start At** box to skip to a 50-increment document list containing that number. For example, with a long search results list, entering '251' in the **Start At** box is easier and faster than hitting the 'Next 50 Hits' button 5 times.

The Quick Search page provides an interface to the database for two term searches only. The features available from the Quick Search page are:

- [Two-Term Quick Expressions](#)
 - [Field Searching](#)
 - [Phrase Searching](#)
 - [Date Range Searching](#)
 - [Right Truncation](#)
 - [Stopwords](#)
-

Phrase Searching

A group of words enclosed in quotation marks ("") will be treated as a single search term. If you were searching for the phrase **vacuum cleaner** rather than **vacuum** or **cleaner**, you would enter "*Vacuum Cleaner*".

Note that you cannot use truncation ("\$") within a phrase that is enclosed in quotation marks.

[Top](#)

**Nelze použít \$
ve frázi ("")**

Date Range Searching

You can specify a range of dates you are interested in searching rather than having to specify a certain day or month to narrow your search. This feature is only available in date fields, such as [Issue Date](#) and [Application Date](#). This is done by using the -> operator between two dates.

Example

Term 1: *11/1/1997->5/12/1998* Field 1: *Issue Date*

This query would return all patents in the database which were issued any day on or after Nov. 1, 1997, and before or on May 12, 1998. If your range covers all of the patents issued in a particular year, you will get faster results by selecting just that year from the **Select years to search** menu instead of searching all of the dates in that year as a range.

Note: The selected year(s) must match the range of years you are searching.

Both dates in your query must be properly formatted for your search to work. See the help entries on [Issue Date](#) and [Application Date](#) for details.

[Top](#)

Right Truncation

The Quick Search Page supports right truncation in queries. This allows you to use a truncation wildcard ("\$") on the right side of a search term, to retrieve words that begin with a certain string. If you are searching in a specific field, the string must be at least 3 characters in length. If you are not searching in a specific field, the string must be at least 4 characters in length. You cannot truncate within a phrase that is enclosed in quotation marks, for example searching *AN/"general mot\$"* will result in an error.

Example

tele\$

\$

If you search for *tele\$*, you will retrieve a large number of hits, as anything with words starting with *tele* anywhere in their text will be retrieved. Words like television, telephone and telecommunications would all match. To reduce the number of hits retrieved, you may want to truncate on a longer string. For example, if you are only interested in patents dealing with telephones, you might truncate as follows: *telephon\$*.

Be aware that the default search will search every word in every patent in the years you specify. This can result in very large numbers of hits. It may be preferable to begin by limiting your search to the title or abstract fields.

[Top](#)

Rychlé vyhledávání

Query [\[Help\]](#)

Term 1:

umbrella\$

in Field 1:

Title

OR

Term 2:

umbrella\$

in Field 2:

Title

Select years [\[Help\]](#)

1976 to present [full-text]

Search

Obnovit

Searching US Patent Collection...

Results of Search in US Patent Collection db for:
TTL/umbrella\$ OR TTL/umbrella\$: 1747 patents.
Hits 1 through 50 out of 1747

Next 50 Hits

Jump To

Refine Search

TTL/umbrella\$ OR TTL/umbrella\$

PAT. NO.

Title

- 1 [8,544,485](#) [Structure of self-closing collapsible umbrella](#)
- 2 [D689,280](#) [Umbrella having reflective material](#)
- 3 [8,522,805](#) [Structure of self-opening/closing umbrella](#)
- 4 [8,511,327](#) [Anti-wind eccentric umbrella](#)
- 5 [8,505,564](#) [Automatic folding/unfolding umbrella](#)
- 6 [8,499,775](#) [Leverage-based large-sized umbrella](#)
- 7 [8,497,656](#) [Solar powered umbrella table](#)
- 8 [D685,568](#) [Umbrella stick](#)
- 9 [8,479,962](#) [Wet umbrella carrier](#)
- 10 [D685,315](#) [Automotive umbrella holder](#)
- 11 [8,469,044](#) [Umbrella with multiple canopy structure](#)
- 12 [8,464,646](#) [Table umbrella rain guard assembly](#)
- 13 [D684,236](#) [Umbrella bait fishing lure design](#)
- 14 [8,459,281](#) [Runner fastening device for an umbrella](#)
- 15 [8,453,660](#) [Foldable pocket umbrella](#)
- 16 [8,444,105](#) [Umbrella and anchoring device and method for using same](#)
- 17 [8,444,104](#) [Secure mechanism of portable accessory device for outdoor umbrella](#)
- 18 [8,443,819](#) [Umbrella support assembly](#)
- 19 [8,439,056](#) [Stick allowing an umbrella to be installed therein](#)
- 20 [8,439,055](#) [Adjustable umbrella for stroller](#)
- 21 [D681,323](#) [Umbrella carrier](#)
- 22 [8,433,333](#) [Method and controller for redirection of active users from an umbrella cell to capacity cells](#)
- 23 [8,430,066](#) [Collapsible umbrella based animal restraint](#)
- 24 [8,428,972](#) [Systems and methods for providing umbrella insurance policies](#)

Design

Next 50 Hits

Jump To

250

Refine Search

TTL/umbrella\$ OR TTL/umbrella\$

PAT. NO.

Title

- 201 [D621,600](#) [Umbrella](#)
- 202 [7,778,624](#) [Outdoor umbrella with audio system](#)
- 203 [7,775,382](#) [Umbrella-like laundry dryer with actuating device](#)
- 204 [7,775,226](#) [Umbrella](#)
- 205 [D621,149](#) [Umbrella stand](#)
- 206 [D621,148](#) [Umbrella stand](#)
- 207 [D621,077](#) [Umbrella and railing candle holder](#)
- 208 [7,753,546](#) [Umbrella apparatus](#)
- 209 [D618,899](#) [Umbrella](#)
- 210 [D618,898](#) [Party umbrella cover](#)
- 211 [7,740,304](#) [Umbrella semi-trailer drag reducer](#)
- 212 [7,735,498](#) [Umbrella with mechanism for automatic opening or closing](#)
- 213 [7,726,326](#) [Umbrella with repositionable grip](#)
- 214 [7,712,476](#) [Bio-degradable disposable umbrella](#)
- 215 [7,708,022](#) [Umbrella assembly with tilt adjustment](#)
- 216 [D613,961](#) [Umbrella stand](#)
- 217 [7,695,153](#) [Umbrella light with audio module](#)
- 218 [7,690,389](#) [Wheelchair umbrella and associated method](#)
- 219 [D612,775](#) [Umbrella hitch](#)
- 220 [7,686,024](#) [Umbrella having a detachable structure](#)
- 221 [D612,146](#) [Umbrella](#)
- 222 [D611,331](#) [Umbrella accessory for baby strollers](#)
- 223 [7,674,002](#) [Solar umbrella clip light](#)
- 224 [7,665,477](#) [Self closing stationary umbrella](#)
- 225 [7,665,476](#) [Asymmetric umbrella](#)
- 226 [D609,494](#) [Umbrella spike holder](#)
- 227 [D609,453](#) [Patio umbrella](#)
- 228 [7,654,274](#) [Umbrella](#)
- 229 [7,647,936](#) [Runner assembly for an umbrella frame](#)
- 230 [7,641,085](#) [Combination umbrella, support and method of use](#)
- 231 [D606,776](#) [Umbrella holder and shovel combination](#)
- 232 [D606,330](#) [Triple position umbrella stand](#)
- 233 [D605,872](#) [Single position umbrella stand](#)
- 234 [7,631,654](#) [Umbrella attachment device](#)
- 235 [7,631,653](#) [Apparatus for automated movement of an umbrella](#)

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

- [Home](#)
- [Quick](#)
- [Advanced](#)
- [Pat Num](#)
- [Help](#)
- [Prev. List](#)
- [Hit List](#)
- [Next List](#)
- [Previous](#)
- [Bottom](#)
- [View Cart](#)
- [Add to Cart](#)
- [Images](#)

(250 of 1747)

United States Patent

Chen, et al.

7,588,040

September 15, 2009

Golf *umbrella* combined with a spare golf ball

Abstract

A kind of golf umbrella combined with a spare golf ball is mainly set with an assembling mechanism in the end of the handle of a golf umbrella. One lower end of the said assembling mechanism can be simply and firmly set on the handle with ease and it is set with a hemisphere sleeve-fit body to provide a temporary holding of a golf ball. Therefore, it becomes a last spare ball while playing golf and the practical value is thus obtained.

Inventors: **Chen; Jung-Yuan** (Hsinchu City, TW), **Wu; Michael Chien-Lung** (Hsinchu City, TW)
 Family ID: 41058716
 Appl. No.: 12/078,883
 Filed: April 8, 2008

Current U.S. Class: 135/16; 135/25.4; 294/19.2; 473/282
 Current International Class: A45B 9/02 (20060101)
 Current CPC Class: A45B 3/00 (20130101); A45B 9/02 (20130101)
 Field of Search: 135/16,15.1,25.4,44,48,17 248/538,541 294/19.2 473/282,285-286

References Cited [Referenced By](#)

U.S. Patent Documents

1830520	November 1931	Moyses
2819108	January 1958	Borah
4733681	March 1988	Lee
5337771	August 1994	Berges et al.
5361793	November 1994	Stahnke
5437488	August 1995	Richmond et al.
5476113	December 1995	Lin et al.
6045288	April 2000	Pasternak et al.
6095168	August 2000	Berges
6409611	June 2002	Louk, Jr.
6447407	September 2002	Caldwell
6510861	January 2003	Mead



Full Text
Help

Go to Page:
 Go



Sections:
Front Page
Drawings
Specifications
Claims

Full Document:
Full Pages



US007588040B1

(12) **United States Patent**
Chen et al.

(10) **Patent No.:** US 7,588,040 B1
(45) **Date of Patent:** Sep. 15, 2009

(54) **GOLF UMBRELLA COMBINED WITH A SPARE GOLF BALL**

(76) Inventors: **Jung-Yuan Chen**, 2F-1, No. 152, Nan Ya Street, Hsinchu City (TW); **Michael Chien-Lung Wu**, 2F-1, No. 152, Nan Ya Street, Hsinchu City (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/078,883**

(22) Filed: **Apr. 8, 2008**

(51) **Int. Cl.**
A45B 9/02 (2006.01)

(52) **U.S. Cl.** **135/16**; 135/25.4; 473/282; 294/19.2

(58) **Field of Classification Search** 135/16, 135/15.1, 25.4, 44, 48, 17; 248/538, 541; 294/19.2; 473/282, 285-286

2,819,108 A *	1/1958	Borah	294/19.2
4,733,681 A *	3/1988	Lee	135/16
5,337,771 A *	8/1994	Berges et al.	135/25.4
5,361,793 A *	11/1994	Stahnke	135/65
5,437,488 A *	8/1995	Richmond et al.	294/19.2
5,476,113 A *	12/1995	Lin et al.	135/16
6,045,288 A *	4/2000	Pasternak et al.	403/109.3
6,095,168 A *	8/2000	Berges	135/16
6,409,611 B1 *	6/2002	Louk, Jr.	473/286
6,447,407 B1 *	9/2002	Caldwell	473/408
6,510,861 B1 *	1/2003	Mead	135/16
6,852,040 B1 *	2/2005	Williams	473/286
2004/0099295 A1 *	5/2004	You	135/16

* cited by examiner

Primary Examiner—Winnie Yip

(74) Attorney, Agent, or Firm—Leong C. Lei

(57) **ABSTRACT**

A kind of golf umbrella combined with a spare golf ball is mainly set with an assembling mechanism in the end of the handle of a golf umbrella. One lower end of the said assembling mechanism can be simply and firmly set on the handle

Právní stav



United States Patent and Trademark Office

An Agency of the Department of Commerce

Patent Full-Text Databases

PatFT: Patents

Full-Text from 1976

[Quick Search](#)
[Advanced Search](#)
[Number Search](#)

[View Full-Page Images](#)

[PatFT Help Files](#)
[PatFT Status, History](#)
[PatFT Database Contents](#)

[Report Problems](#)

<< BOTH SYSTEMS >>

The databases are operating normally.

[Notices & Policies](#)

[How to View Images](#)

[Assignment Database](#)

[Public PAIR](#)

[Searching by Class](#)

[Sequence Listings](#)

[Attorneys and Agents](#)

[Privacy Policy](#)

AppFT: Applications

Published since March 2001

[Quick Search](#)
[Advanced Search](#)
[Number Search](#)

[View Full-Page Images](#)

[AppFT Help Files](#)
[AppFT Status, History](#)

[Report Problems](#)

Patent eBusiness

- Electronic Filing
- Patent Application Information (PAIR)
- Patent Ownership
- Fees
- Supplemental Resources & Support

Patent Information

- Patent Guidance and General Info
 - Codes, Rules & Manuals
 - Employee & Office Directories
 - Resources & Public Notices

Patent Searches

- Patent Official Gazette
 - Search Patents & Applications
 - Search Biological Sequences
 - Copies, Products & Services

Other

- Copyrights
- Trademarks
- Policy & Law
- Reports

Patent Application Information Retrieval

Select New Case

Select New Case

* indicates a required field

You may search for a specific application or conduct a search related to a customer number.

Search for Application:

Choose type of number:

- Application Number (EXAMPLE: 99999999 or 99/999999) *i*
- Control Number *i*
- Patent Number *i*
- PCT Number (EXAMPLE: PCT/CCYY/99999 or PCT/CCYYYY/999999) *i*
- Publication Number *i*

* Enter number:

If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).
- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

Patent eBusiness

- Electronic Filing
- Patent Application Information (PAIR)
- Patent Ownership
- Fees
- Supplemental Resources & Support

Patent Information

- Patent Guidance and General Info
 - Codes, Rules & Manuals
 - Employee & Office Directories
 - Resources & Public Notices
- Patent Searches
- Patent Official Gazette
 - Search Patents & Applications
 - Search Biological Sequences
 - Copies, Products & Services
- Other
 - Copyrights
 - Trademarks
 - Policy & Law Reports

Patent Application Information Retrieval

[Order Certified Application As Filed](#)

[Order Certified File Wrapper](#)

[View Order List](#)

12/078,883

GOLF UMBRELLA COMBINED WITH THE SPARE GOLF BALL

FP14074

[Select New Case](#)
[Application Data](#)
[Transaction History](#)
[Image File Wrapper](#)
[Patent Term Adjustments](#)
[Fees](#)
[Published Documents](#)
[Address & Attorney/Agent](#)
[Supplemental Content](#)
[Display References](#)

Bibliographic Data

Application Number:	12/078,883	Customer Number:	-
Filing or 371 (c) Date:	04-08-2008	Status:	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362
Application Type:	Utility	Status Date:	10-14-2013
Examiner Name:	YIP, WINNIE S	Location:	ELECTRONIC
Group Art Unit:	3636	Location Date:	-
Confirmation Number:	6586	Earliest Publication No:	US 2009-0250087 A1
Attorney Docket Number:	FP14074	Earliest Publication Date:	10-08-2009
Class / Subclass:	135/017	Patent Number:	7,588,040
First Named Inventor:	Jung-Yuan Chen , Hsinchu City, (TW)	Issue Date of Patent:	09-15-2009
Entity Status:	Small	AIA (First Inventor to File):	No

Title of Invention: GOLF UMBRELLA COMBINED WITH THE SPARE GOLF BALL

If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).
- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

Pokročilé vyhledávání

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

- Home
- Quick
- Advanced
- Pat Num
- Help
- View Cart

Data current through October 8, 2013.

Query [\[Help\]](#)

Examples:
tfl/(tennis and (racquet or racket))
isd/1/8/2002 and motorcycle
in/newmar-julie

Select Years [\[Help\]](#)

1976 to present [full-text] ▼

Search

Obnovit

Patents from 1790 through 1975 are searchable only by Issue Date, Patent Number, and Current US Classification.
 When searching for specific numbers in the Patent Number field, patent numbers must be seven characters in length, excluding commas, which are optional.

Field Code	Field Name	Field Code	Field Name
PN	Patent Number	IN	Inventor Name
ISD	Issue Date	IC	Inventor City
TTL	Title	IS	Inventor State
ABST	Abstract	ICN	Inventor Country
ACLM	Claim(s)	AANM	Applicant Name
SPEC	Description/Specification	AACI	Applicant City
CCL	Current US Classification	AAST	Applicant State
CPC	Current CPC Classification	AACO	Applicant Country
ICL	International Classification	AAAT	Applicant Type
APN	Application Serial Number	LREP	Attorney or Agent
APD	Application Date	AN	Assignee Name
PARN	Parent Case Information	AC	Assignee City
RLAP	Related US App. Data	AS	Assignee State
REIS	Reissue Data	ACN	Assignee Country
PRIR	Foreign Priority	EXP	Primary Examiner
PCT	PCT Information	EXA	Assistant Examiner
APT	Application Type	REF	Referenced By
PRAD	Priority Filing Date	FREF	Foreign References
PT3D	PCT 371c124 Date	OREF	Other References
PTAD	PCT Filing Date	GOVT	Government Interest
RLFD	Related Application Filing Date	FMID	Patent Family ID
PPPD	Prior Published Document Date	RPAF	Reissued Patent Application Filing Date

Zadání dotazu

Query [\[Help\]](#)

TTL/umbrella\$ AND APD 01/01/2012->01/10/2013

Select Years [\[Help\]](#)

1976 to present [full-text]

Search

Application Date (APD)

This field contains the date when a complete application was received by the US Patent and Trademark Office, following receipt of all filing material requirements.

TIP: You can use one of three formats to search in any of the date fields :

1. *<four digit year><two digit month><two digit day>*. For example, use **19960103** to retrieve documents filed on January 3, 1996.
2. *<Month>-<Day>-<Year>*.

Month can be the number of the month, the full name of the month, or an abbreviation (i.e. 1, January or Jan).

Day must be a number between 1 and 31 or a \$.

Year must be a four digit year (1996).

Example: Use **1-3-1996**, **Jan-3-1996** or **January-3-1996** to retrieve documents filed on January 3,1996.

3. *<Month>/<Day>/<Year>*.

Month can be the number of the month, the full name of the month, or an abbreviation (i.e. 1, January or Jan).

Day must be a number between 1 and 31 or a \$.

Year must be a four digit year (1996).

Example: Use **1/3/1996** or **Jan/3/1996** to retrieve documents filed on January 3,1996.

You can search for a range of dates using the **->** operator.

Example: To search for patents with application dates between January 1, 1995, and Feb 14, 1995, use **APD/1/1/1995->2/14/1995**.

If you want to search for all documents with application dates in January of 1995, it is simpler and quicker to use **APD/1/\$/1995** than to use **APD/1/1/1995->1/31/1995**, though both will return the same results.

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[Bottom](#)[View Cart](#)

Searching US Patent Collection...

Results of Search in US Patent Collection db for:
(TTL/umbrella\$ AND APD/20120101->20130110): 12 patents.
Hits 1 through 12 out of 12

Jump To

Refine Search

TTL/umbrella\$ AND APD/01/01/2012->01/10/2013

PAT. NO.	Title
1 8,511,327	Anti-wind eccentric umbrella
2 8,499,775	Leverage-based large-sized umbrella
3 8,464,646	Table umbrella rain guard assembly
4 8,424,547	Safety buckle of umbrella runner
5 8,413,670	Animal umbrella
6 8,387,640	Umbrella device for automobile
7 D674,245	Cooler with attached umbrella receiver
8 D674,180	Umbrella
9 D674,179	Umbrella
10 D669,677	Umbrella shelter with a squared canopy
11 D668,443	Umbrella with solar powered lights and pole
12 D665,569	Umbrella

[Top](#)[View Cart](#)[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)

[Home](#) [Quick](#) [Advanced](#) [Pat Num](#) [Help](#)

[Hit List](#) [Previous](#) [Next](#) [Bottom](#)

[View Cart](#) [Add to Cart](#)

[Images](#)

(5 of 12)

United States Patent
Richardson, Jr.

8,413,670
April 9, 2013

Animal umbrella

Abstract

An animal umbrella that includes a thoracic vest having a releasably fastenable front seam, a neck hole, a first foreleg hole, a second foreleg hole, and a base unit centrally disposed atop a dorsal portion, with an umbrella unit having an elongated dome-shaped covering, the covering having a mount support centrally disposed in an arched top portion, wherein a hoop stand removably inserts through the mount support to releasably attach to the base unit and a lock member slidably secures the canopy at a desired height above the base unit to shield a quadruped from inclement weather and, alternately, shade the quadruped from intense sunlight, as desired.

Inventors: Richardson, Jr.; Aubrey C. (North Las Vegas, NV)
Applicant: Name City State Country Type
 Richardson, Jr.; Aubrey C. North Las Vegas NV US
Family ID: 47999117
Appl. No.: 13/470,689
Filed: May 14, 2012

Current U.S. Class:
Current International Class:
Current CPC Class: A01K 13/006 (20130101);

Field of Search:

[References Cited](#) [\[Referenced By\]](#)

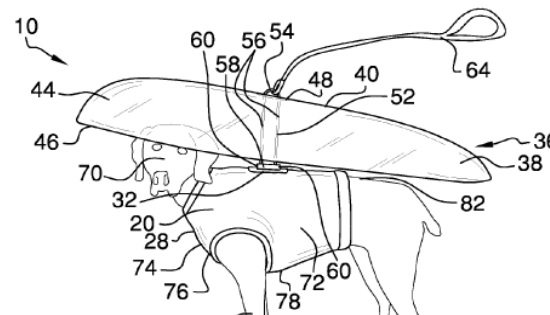
U.S. Patent Documents	
3267905	August 1966
D324117	February 1992
5918611	July 1999
6871616	March 2005
7021246	April 2006
7036519	May 2006
2006/0231129	October 2006



US008413670B1

(12) **United States Patent** (10) **Patent No.:** **US 8,413,670 B1**
Richardson, Jr. (45) **Date of Patent:** **Apr. 9, 2013**

(54) ANIMAL UMBRELLA	(56) References Cited
(76) Inventor: Aubrey C. Richardson, Jr. , North Las Vegas, NV (US)	U.S. PATENT DOCUMENTS
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.	3,267,905 A * 8/1966 Fleming
(21) Appl. No.: 13/470,689	D324,117 S * 2/1992 Antoine
(22) Filed: May 14, 2012	5,918,611 A 7/1999 Amato
(51) Int. Cl.	6,871,616 B2 3/2005 Zhadan-Milligan et al.
A45B 11/02 (2006.01)	7,021,246 B2 4/2006 Seymour
A45B 25/18 (2006.01)	7,036,519 B2 5/2006 Godshaw et al.
A01K 27/00 (2006.01)	2006/0231129 A1* 10/2006 Ferraro et al.
A01K 13/00 (2006.01)	2008/0289586 A1* 11/2008 O'Connor
(52) U.S. Cl.	* cited by examiner
USPC	<i>Primary Examiner</i> — David Dunn
135/16; 135/33.2; 135/15.1; 119/792; 119/850	<i>Assistant Examiner</i> — Danielle Jackson
(58) Field of Classification Search	ABSTRACT
135/16, 20.1, 25.4, 33.2, 33.41, 98, 159; 119/792, 795, 769, 850, 856	(57) An animal umbrella that includes a thoracic vest having a releasably fastenable front seam, a neck hole, a first foreleg hole, a second foreleg hole, and a base unit centrally disposed atop a dorsal portion, with an umbrella unit having an elongated dome-shaped covering, the covering having a mount support centrally disposed in an arched top portion, wherein a hoop stand removably inserts through the mount support to releasably attach to the base unit and a lock member slidably secures the canopy at a desired height above the base unit to shield a quadruped from inclement weather and, alternately, shade the quadruped from intense sunlight, as desired.
See application file for complete search history.	10 Claims, 3 Drawing Sheets



Design patent

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[View Cart](#)

Data current through October 8, 2013.

Enter the patent numbers you are searching for in the box below.

Query [\[Help\]](#)

All patent numbers must be seven characters in length, excluding commas, which are optional. Examples:

Utility -- 5,146,634 6923014 0000001

Design -- D339,456 D321987 D000152

Plant -- PP08,901 PP07514 PP00003

Reissue -- RE35,312 RE12345 RE00007

Defensive Publication -- T109,201 T855019 T100001

Statutory Invention Registration -- H001,523 H001234 H000001

Re-examination -- RX29,194 RE29183 RE00125

Additional Improvement -- AI00,002 AI000318 AI00007

US PATENT & TRADEMARK OFFICE

PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

[Help](#)[Home](#)[Boolean](#)[Manual](#)[Number](#)[View Shopping Cart](#)

Data current through October 10, 2013.

Query [\[Help\]](#)

Term 1: in Field 1:

Term 2: in Field 2:

Select years [\[Help\]](#)

US PATENT & TRADEMARK OFFICE

PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

[Help](#)[Home](#)[Boolean](#)[Manual](#)[Number](#)[PTOLs](#)[Bottom](#)[View Shopping Cart](#)

Searching PGPUB Full-Text Database...

Results of Search in PGPUB Full-Text Database for:
TTL/"laser AND crystals" OR ABST/"laser AND crystals": 15 applications.
Hits 1 through 15 out of 15

Jump To

Refine Search

PUB. APP. NO.	Title
1 20130243017	LASER CRYSTAL COMPONENTS JOINED WITH THERMAL MANAGEMENT DEVICES
2 20130044779	METHOD FOR TAILORING THE DOPANT PROFILE IN A LASER CRYSTAL USING ZONE PROCESSING
3 20120147913	LASER CRYSTAL COMPONENTS JOINED WITH THERMAL MANAGEMENT DEVICES
4 20110013661	LASER CRYSTAL DEVICE
5 20080151954	Nd:YVO4 laser crystal and method of growth and use thereof
6 20060109880	Wafer laser crystal
7 20060092402	Laser crystal evaluating system
8 20050175049	Cooling device for an optical crystal, or laser crystal
9 20040165625	Semiconductor laser device and method for holding laser crystal in semiconductor laser device
10 20030148711	METHOD OF MAKING OPTICAL FLUORIDE LASER CRYSTAL COMPONENTS
11 20030138012	Yb-doped: vab laser crystal and self-frequency doubling vb:vab laser system
12 20030091078	Arrangement for pumping an anisotropic laser crystal
13 20030012725	Method of making high repetition rate excimer laser crystal optics and UV<200NM transmitting optical fluoride crystal
14 20020110168	Method for generating laser light and laser crystal
15 20010015993	Composite laser crystal and solid-state laser device using the same

[Top](#)[View Shopping Cart](#)