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USPTO patent public search tool

Eleventh CPC Annual meeting
Geneva, Switzerland
14 March 2024



UNITED STATES
PATENT AND TRADEMARK OFFICE ®

USPTO patent public search

- The USPTO patent public search tool is a new web-based patent search application with flexible capabilities to facilitate the overall patent searching process
- Can execute simple or complex queries
- 2 interfaces
 - Basic
 - Advanced
- Access
 - <https://ppubs.uspto.gov/pubwebapp/static/pages/landing.html?MURL=PatentPublicSearch>
 - Or type “USPTO patent public search” in a search browser



USPTO patent public search page

Welcome to Patent Public Search

The Patent Public Search tool is a new web-based patent search application that will replace internal legacy search tools PubEast and PubWest and external legacy search tools PatFT and AppFT. Patent Public Search has two user selectable modern interfaces that provide enhanced access to prior art. The new, powerful, and flexible capabilities of the application will improve the overall patent searching process.

If you are **new to patent searches**, or want to use the **functionality that was available in the USPTO's PatFT/AppFT**, select 'Basic Search' to look for patents by keywords or common fields, such as inventor or publication number. Select 'Advanced Search' to use full query options as well as to further filter a patent search by database or organize documents through tagging.

[Basic Search](#)

[Advanced Search](#)



[Help](#)

Information and support



[FAQs](#)

Answers to frequently asked questions



[Training materials](#)

Learn about Patent Public Search features and functionalities

Basic search

- Search patent databases by keyword or common fields
- Use to conduct a search when you know what you are looking for and have a document number, inventor name, etc.

Patent Public Search Basic (PPUBS Basic)

Quick lookup

Patent or Publication number
For example: 0123456 or 20210123456

OR

Basic search

Search

Everything

Everything

Applicant name

Assignee name

Attorney agent/firm

Attorney name

Patent/Application publication number

Inventor name

Publication date

For

Operator

AND

For



Advanced search

- Search patent databases using a search string
- Select which databases are searched
 - US-PGPUB (pre-grant applications 3/2001 to present), USPAT (full-text patents) and USOCR (pre-1970 patents)
- Knowledge of search syntax required
- Quick search and enhanced search options
 - Quick search
 - Single search string at a time
 - Enhanced search
 - View, save and print search history
 - Select options: plurals, British equivalents



Advanced search – quick search

Patent Public Search 3.0.9

Go to Basic Search Resources

Reset Layout New

Quick Search Enhanced Search

Search x

chair WITH bench AND A47C1/16.cpc.

Databases

Select all

US-PGUPB
USPAT
USOCR

Pos 35

Default Operator: OR Highlights: Single Color

Show Errors Plurals British Equivalents

Options Clear PN Search

Search Results x Help x Search History x

Settings Find Within

Highlight: chair bench chairs benches a47c1/16 Hit Terms

L8: 40 results found. Currently displaying all results. Filtered by Family ID (30 families).

Select	+	Res...	X	1	2	3	4	5	Document ID	Da
<input type="checkbox"/>	+1	1	<input type="checkbox"/>	US 20210298482 A1	2021-					
<input checked="" type="checkbox"/>		2	<input type="checkbox"/>	US 11044998 B1	2021-					
<input type="checkbox"/>	+1	3	<input type="checkbox"/>	US 20210059418 A1	2021-					
<input type="checkbox"/>	+3	4	<input type="checkbox"/>	US 20200383485 A1	2020-					
<input type="checkbox"/>	+1	5	<input type="checkbox"/>	US 20190231074 A1	2019-					
<input type="checkbox"/>	+1	6	<input type="checkbox"/>	US 20170202355 A1	2017-					

Document Viewer x

Doc 2 Page 1 of 9

United States Patent
Garcia

Patent No.: US 11,044,998 B1
Date of Patent: Jun. 29, 2021

(54) FOLDABLE STADIUM SEAT AND COOLER APPARATUS

(10) Patent No.: US 11,044,998 B1
(45) Date of Patent: Jun. 29, 2021

(56) References Cited

U.S. PATENT DOCUMENTS

11 Claims, 5 Drawing Sheets

Advanced search – enhanced search

The screenshot displays the Patent Public Search 3.0.9 interface. At the top, there are navigation options: "Go to Basic Search" and "Resources". Below this, there are search buttons: "Quick Search" and "Enhanced Search", with the latter highlighted by a red box. The main search area shows the query "chair WITH bench" and a "Search" button. A "Select" dropdown menu is open, listing various search criteria: ID, Results, Query Name, DBs, Operator, Plurals, British Equivalents, TimeStamp, and Actions. The "ID" and "Results" options are checked. A table of search results is visible, with the first row highlighted in yellow. The table has columns for "Select", "Res...", "X", "1", "2", "3", "4", "5", and "Document ID". The first row shows a checked "Select" box, "1" in the "Res..." column, and "US 20240053821" in the "Document ID" column. To the right, a "Document Viewer" shows a patent document for "United States Patent Application Publication" with a drawing of a chair. The drawing is labeled with various numbers (200, 201, 202, 203, 204, 205) indicating different parts of the chair.

Patent Public Search 3.0.9

Go to Basic Search Resources

Quick Search Enhanced Search

Search History x

Find Within

Re... Query Name DBs O... Action

Prior Art 3

Re...	Query Name	DBs	O...	Action
L1 40	chair WITH bench AND A47C1/16.cpc.	US-PGPI USP...	OR	
L2 424	A47C1/16.cpc.	US-PGPI USP...	OR	
L3 5,296	chair WITH bench	US-PGPI USP...	OR	

Select

- ID
- Results
- Query Name
- DBs
- Operator
- Plurals
- British Equivalents
- TimeStamp
- Actions

Restore Default Columns

Search x

chair WITH bench

Databases

- Select all
- US-PGPUB
- USPAT
- USOCR

Clear PN Search

Document Viewer x

Doc 1 Page 1 of 38

United States Patent Application Publication Pat. No. US 20240053821 A1 Pub. No. Feb. 15, 2024

Abstract

200 201 202 203 204 205

Highlight: chair bench chairs benches Hit Terms

L3: 5296 results found. Currently displaying results 1 - 500. Filtered by Family ID (3251 families).

Select	+	Res...	X	1	2	3	4	5	Document ID
<input checked="" type="checkbox"/>		1	<input type="checkbox"/>	US 20240053821					
<input type="checkbox"/>		2	<input type="checkbox"/>	US 20240054476					
<input type="checkbox"/>		3	<input type="checkbox"/>	US 20240050310					
<input type="checkbox"/>		4	<input type="checkbox"/>	US 20240056757					
<input type="checkbox"/>		5	<input type="checkbox"/>	US 11896119 B2					
<input type="checkbox"/>		6	<input type="checkbox"/>	US 11897428 B2					
<input type="checkbox"/>		7	<input type="checkbox"/>	US 20240048031					

Training materials

Welcome to Patent Public Search

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Basic Search

Advanced Search



Help

Information and support



FAQs

Answers to frequently asked questions



Training materials

Learn about Patent Public Search features and functionalities

Quick reference guides

Training materials

Quick reference guides

References

Differences between
PubEAST/PubWEST and
Patent Public Search

Quick reference guides

USPTO is committed to providing useful Patent Public Search training materials to public users. These resources will show you what the tool can do, how to quickly leverage its benefits, and where to get help if you need assistance.

- [Add notes to images](#) 
- [Workspace layouts](#) 
- [Manage highlights](#) 
- [Search overview](#) 
- [Search results](#) 
- [Tagged documents](#) 
- [Keyboard numpad navigation](#) 
- [Setting up external search](#) 
- [Field conversion from PatFT/AppFT](#) 
- [Basic Search overview](#) 

Reference guides

- How to maximize the search tool for use
 - Customize search screen layout
 - Searchable indices
 - Searchable fields such as cpc symbols (.cpc.), patent numbers (.pn.), etc.
 - Wild card and proximity operators
 - Saving and printing search results and search histories
 - Setting preferences
 - Tagging documents



Common search indices

Suffix	Description	Example
AB	Searches the abstract text of the patent.	amethyst.ab.
AD	Searches the application filing date of the patent.	20120616.ad.
APP	Searches the application number of the patent (must use with slash).	10/501576.app. or (12/123456).app.
AS	Searches the assignee name text of the patent.	microsoft.as.
AY	Searches the application filing year of the patent.	2006.ay.
BSUM	Searches the Brief Summary section of the patent.	medicinal.bsum.
CCLS	Searches against the US Patent classification and subclass .	138/\$.ccls.
CLAS	Searches the USPC Classification text of the patent.	435.clas.
CLM	Searches the claims section of the patent.	tube.clm.
CLMS	Searches the claims section of the patent.	computer.clms.
CPC	Searches the Cooperative Patent Classification .	F16L11/00.cpc.
CPCA	Searches the Cooperative Patent Classification .	B32B2307/50.cPCA.
CPCI	Searches the Cooperative Patent Classification .	A61M5/385.cpci.
DCLM	Searches the claims section of the patent.	program.dclm.
DETD	Searches the detailed description section of the patent.	sheepdog.detd.
DID	Searches for a specific Document ID .	US-2418590-A.did. or US- 2418590.did. must include the hyphens
FD	Searches the application filing date of the patent.	20110811.fd.
FY	Searches the application filing year of the patent.	2016.fy.
IN	Searches the inventor name text of the patent.	black.in.
INV	Searches the inventor name text of the patent.	sontag.inv.
IPC	Searches the international patent classification of the patent.	G06F17/00.ipc.
PD	Searches the publication date of the patent.	20150216.pd.
PN	Searches for a specific patent number .	7557042.pn.
SPEC	Searches the Specification section of the patent.	sheltie.spec.
TI	Searches the title text of the patent.	concrete.ti.
URPN	Searches the references cited patent number of the patent.	8025263.urpn.
XA	Searches the assistant examiner's name of the patent.	smith.xa.
XP	Searches the primary examiner's name of the patent.	hook.xp.



Search operators

Operator	Description	Example
AND	Two terms, joined by "AND" must occur within the same document.	photographic AND noodle
OR	Two terms, joined by "OR" means at least one of the terms must occur in the document.	dog OR cat
NOT	The first term must occur, the second term must not.	cardboard NOT box
XOR	Two terms, joined by "XOR" means at least one of the terms must occur in the document, but not both terms	pipe XOR ptfе

Operator	Description	Example
ADJ	Two terms must occur directly next to each other, and in order. ADJ is the only ordered operator.	oxidizing ADJ bacteria
ADJ[n]	Two terms must occur within [n] terms of each other, in order, and within the same sentence.	wet adj4 silicon
NEAR	Similar to ADJ but order is not relevant.	electrospray NEAR ion
NEAR[n]	Again, similar to ADJ[n], but order is not relevant.	cyclotron NEAR7 magnetic
WITH	Terms joined with WITH must occur within the same sentence.	detect WITH light
WITH[n]	Terms joined with WITH must occur within n sentences of each other.	detect WITH10 light
SAME	Term joined with SAME must occur within the same paragraph.	synthesizing SAME tomography
SAME[n]	Two term just occur within n paragraphs of each other.	wheel SAME3 wood

Example search strings

L#	Search string	Documents returned from search
L1	A61N5/062.CPC.	CPC symbol applied
L2	A61N5/062.CPC. OR A61N5/00.CPC. OR A61N5/06.CPC.	At least one of the searched symbols (multiple symbols searched in the alternative)
L3	A61N5/062.CPC. AND A61N5/0603.CPC.	All of the searched symbols (multiple symbols searched together)
L4	A61N5/\$.CPC.	Any CPC symbol from the main group (entire main group)
L5	A61N\$.CPC.	Any CPC symbol from the subclass (entire subclass)
L6	phototherapy	Keyword in doc
L7	phototherapy.CLM. OR phototherapy.AB.	Keyword in claims or abstract

Example search results

USPTO Patent Public Search - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	4670	A61N5/062.CPC.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:03:00
L2	7592	A61N5/062.CPC. OR A61N5/00.CPC. OR A61N5/06.CPC.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:05:27
L3	489	A61N5/062.CPC. AND A61N5/0603.CPC.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:05:50
L4	34168	A61N5/\$.CPC.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:06:04
L5	130862	A61N\$.CPC.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:06:17
L6	11513	phototherapy	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:06:24
L7	1584	phototherapy.CLM. OR phototherapy.AB.	(US-PGPUB OR USPAT OR USOCR)	OR	ON	ON	2024-02-29 14:23:42

Public search training

- Monthly virtual trainings are offered on the USPTO patent public search tool

<https://www.uspto.gov/about-us/events/patent-public-search>



