Patent Public Search -Setting up external searches



Quick Reference Guide 2022

For customers who run the same searches in Patent Public Search on a periodic basis, there is a way to set up an external web link that will access Patent Public Search and conduct the search query without having to manually reenter the search each time. This is also useful for customers who want to set up links for direct document access to a U.S. patent on a web page or document. Users may create their URLs on a separate sheet, then either copy/paste the URL to a Chrome® or Edge® browser, or click the URL from the sheet to open browser.

Query format

1. The query will have the following format:

https://ppubs.uspto.gov/pubwebapp/external.html?q=xxxxxxx&db=xxx,xxx&type=xxx

Let's break down each part of the statement:

a. ppubs.uspto.gov/pubwebapp/external.html? (required)

This is the direct web link to the Patent Public Search search tool with a question mark added. This should be included in all queries. It must be followed by the actual query. This segment will not execute without adding a value for the query; see next step.

b. q=xxxxxxxx (required)

This "x" segment is the same search query statement that would be used in Patent Public Search for searching a patent document number, e.g. q=(11235876). It is optional to follow the patent number with the searchable index abbreviation, q=(11235876).pn. Other query examples will be addressed on page 3.

Example:

https://ppubs.uspto.gov/pubwebapp/external.html?q=(11235876).pn.

c. &db=xxx,xxx (optional)

This segment is optional wording that you can use to select the database(s) to search; as in **&db=USPAT**; since it is optional, if you don't include this language, it will default to search all three databases: USPAT, US-PGPUB, USOCR.

Example: https://ppubs.uspto.gov/pubwebapp/external.html?q=(11235876).pn.&db=USPAT

d. &type=xxx (optional)

This segment is for the type of search being conducted. It should be "ids" for patent publication number queries, as in **&type=ids**; also, the patent number should be group by parentheses when &type=ids is used. For searches that have text queries, it should be "queryString" as in **&type=queryString**. If "type" is not included in the statement, it will default to "queryString".

Example:

https://ppubs.uspto.gov/pubwebapp/external.html?q=(11235876).pn.&db=USPAT&type=ids

| | × | | | | | | | | | | ocument Vie | wer × | 1 | | | | | | | | | |
|---------------------------|-------------|-------------|----------|--------|------------|---------|-----------|----------------|-------------------------------|--------------------------|--|---------|---------|---|-------------|----------------|------|-------------------|--------|----------------|-------|---------|
| 11235876 | 3" nn | | | | | | | | Databases | 76 B | \$ K | 4 | Q | Q HI | 44 | Doc 1 🕨 | HI I | §- 6 | 6 6639 | 77 | \$ St | |
| 11200011 | e dend | | | | | | | | Select all | Highlight | 11235876 | | | | | | | | | | H | ahliaht |
| | | | | | | | | | US-PGPUB | Dron | e-based \ | Vehicle | e Illui | ninatio | n | | | | | | | |
| Pos 15 | | | | | | | | | DUSUCR | | MENT ID 235876 B2 | | | PUBLIS 02-01 | SHED | | | | | | | |
| Options | | | | | | | | Clear Search | | NAME | | | ION | СІТҮ | | STAT | ne | | CODE | | UNTRY | |
| R Search | Results | ĸ / | ? Helj | рх | ~ | L Sea | | tory × | × •= | Ignaca Datta Boppi | cker; Cyn ak; Brad A Gupta; So e; Brian | Alan | | Westla Canto Canto Sterlin Height | n n g | MI MI MI | | N/A N/A N/A | | US US US | | |
| A Set | tings v | A, Find Wi | thin | | | | | ** | | ASSI | NEE INF | | | rioigni | | | | | | | | |
| ghlight 112 | 35876 | | | | | | | | Hit Terms | NAME | | | | СІТҮ | | STAT | ne - | | CODE | | UNTRY | |
| | ound. Curre | ntly displa | ying all | result | s. Filtere | ed by f | Family II |) (1 family). | | | lotor Com CODE | pany | | Dearb | orn | MI | | N/A | | US | | |
| 2: 1 results fo | Res | x | 1 | 2 | 3 | 4 | 5 | Document ID | ▼ Date Publish ⊞ | 02 | | | | | | | | | | | | |
| _ | | | 0 | | 0 | 0 | 0 | JS 11235876 B2 | 2022-02-01 | 6. APPL 16/469 | | ю | | DATE 2016-1 | |) | | | | | | |
| lect + | 1 | | | | | | | | | US CL | ASS CUR | RENT | | | | | | | | | | |
| 2 1 results fo elect + | 1 | | | | | | | | | | | | | | | | | | | | | |
| elect + | 1 | | | | | | | | | 1/1 | | | | | | | | | | | | |

Figure 1. Search generated in the example for U.S. patent 11235876. Document Viewer display default is Full-Text view.

| Q Se | arch | × | | | | | | | | * *= | | | ocun | nent Viewer × | | | | | | | |
|--|----------|------------|-----------|---------|----------|-------------|---------|--------|----------------------|----------------------|----|---|-----------|---|---------|--|---|--|---|---------------------|---|
| "11235 | 876" | .pn. | | | | | | | | Databases | | ŵr € |) E | 9 \$ ↔ 5 | C | %* | §- | 66 | 6699 | 77 | 5 |
| | | · | | | | | | | | Select all | | | • • | Page 1 of 9 | • | H | | | | | |
| | | | | | | | | | | US-PGPUB | | - | | | | | 0341123 | 583682 | | | |
| | | | | | | | | | | USOCR | | | | nited States Patent abecker et al. | | | e of Patent | | 35,876 H feb. 1, 200 | | |
| Pos 15 | | | | | | | | | | | | | | ONE-BASED VEHICLE ILLUMING ficant. Ford Motor Company, Death (US) | | CRI FMM of CPC | Chevillentine 1640' 30 2290'126-1 164D 4740 | Numb 1926, 364C 2 264C 226514 0; 366Q 159 | 5, 3643, 479 | H) | |
| | | | | | | | | | | | | | (72) lars | attors: Cynthia M. Neubecker, Werl (UN) Bead Alas Ignacud, Cr (US) Bead Alas Ignacud, Cr (US) Brian Bonais, Storing T MI 4000 | ton, M. | 69 | Botion Be for Reference U.S. PATENT I | in Chul | | 15 | |
| Optio | ns | | | | | | | | Clear Search | | | | | igane Ford Motor Company, Dorb (US) | | 5.400,644 5.471,670 10,071,714 2912,0664710 | 82* 83986 81* 902086 81* 43021 41* 33043 | Stand William Lonny Joney | - 6010 100 - 6010 100 - 6000 40 - 8640 100 - 8640 100 - 8640 100 | 08 08 | |
| | | | | | | | | | | | | | | ice: Subject to any disclaimer, the to potent is obtained or adjusted U.S.C. 154(b) by 294 days. | adar 35 | | A1* 3.2000 1 A1* 10.2017 1 A1* 11.3017 1 A1* 3.3018 | | | 188 0 10 0 11 | |
| The Search Results × 2 Help × 1 the Search History × | | | | | | - -≡ | P. | | (21) App (22) PC1 | Filed: Dec. 14, 2004 | | 2018/0008/145 2018/0213018 2018/0214417 | 5225 | | | | | | | | |
| A a | Settin | gs v C | Find) | Within | | | | 20 | Q++ | | ¥. | | (2)1 | (No.) PCDE5262444497 11 6003 Date: Jun. 13, 2009 (Pot. No.: WODMS10258 | | 400 | PORTON A * | | NTS | 92 | |
| lighlight: | 11238 | 5876 | | | | | | | | Hit Terms | | | (95) | Pub. Date: Jun. 21, 2018 Prior Publication Data 2020/0011448 AJ Jan. 30, 2020 | | Anistant Examples | eniner – Peter D miner – Peter N Agent, or Fire borland (US) L | Neg . | Ficks | | |
| .2: 1 resu | ults fou | nd. Currer | ntly disp | olaying | all resu | ilts. Fill | ered by | Family | ID (1 family). | | | | 864 | IC JB488 (2006.81) IC JB482 (2006.81) ID 45%4 (2006.81) | | (17) A computer in | ABST programmed is | RACT deploy on se | | | |
| Belect | + | Res | x | 1 | 2 | 3 | 4 | 5 | Document ID | ▼ Date Publish 🕀 | | | CPC | 2013/01/2013/0000/2013/0000000000 | 9 4164 | an serial dron- | d to debott a soc e light. 18 Claims, 3 B | | | ~ | |
| | | 1 | | | 0 | | 0 | 0 | US 11235876 B2 | 2022-02-01 6 | | | | (13) | | | | | | | |
| | | | | | | | | | | | | | | 155 p0~~ 1 | B-70 | -125 | | | | | |
| | | | | | | | | | | | | | | 110 135 | | (100 | 0 | 130 | | | |
| | | | | | | | | | | | | | | TOL | - | V | 6 | Z | | | |
| | | | | | | | | | | | | | | 9 | | 100 | S | | | | |

Figure 2. By selecting Full Text/Image toggle button (highlighted in red box) in Document Viewer toolbar, display toggles to pdf image display of patent 11235876.

Search query examples

1. Searching for a patent or pre-grant publication:

https://ppubs.uspto.gov/pubwebapp/external.html?q=(0004321).pn.&db=USPAT&type=ids

Use leading zeros to fill a 7-digit entry if the patent number is 6 or less digits (e.g. "0004321"). If the patent number is 8 digits, enter all 8 digits (e.g. "10294671"). For patent number formats of different types of patents, please refer to the <u>Search overview QRG</u>. If the search does not include a database in the search query, the default is to search all three databases. Since there are overlap for entries in the USPAT and USOCR databases, one may have results with two entries for the same patent, one with the OCR text and the other without, if you do not select only the USPAT database in the search query.

2. Searching for a string of patent publications (patents and/or pre-grant publications):

https://ppubs.uspto.gov/pubwebapp/external.html?q=(20200039559|2020003955 8|20190351873|11225156|D926083).pn.&db=USPAT,US-PGPUB&type=ids

In this example, the search is for Published Applications 20200039559, 20200039558, 20190351987, Utility Patent 11225156, and Design Patent D926083. The sequence of patent numbers is delimited by the "|" symbol.

3. Searching for patents assigned a Cooperative Patent Classification:

https://ppubs.uspto.gov/pubwebapp/external.html?q=B62D1/16.cpc.&db=USPAT&type= queryString

In this example, the search is for CPC "B62D 1/16". Always leave out the space in a CPC classification when searching Patent Public Search. Multiple CPC classifications may be included in a query as well: https://ppubs.uspto.gov/pubwebapp?q=(G06T7/15 OR H04L63/1408 OR H04N5/21).cpc.&db=USPAT&type=queryString

4. Searching for patents assigned a U.S. Patent Classification:

https://ppubs.uspto.gov/pubwebapp/external.html?q=D12/175.ccls.&db=USPAT&type= queryString

In this example, the search is for USPC design class/subclass D12/175.

5. Searching for patents assigned to an assignee:

https://ppubs.uspto.gov/pubwebapp/external.html?q=(tesla%20ADJ%20inc).as.&db=USPAT &type=queryString

In this example, the search is for all patents assigned to "Tesla Inc". Use "%20" to insert a space(s) in the search query rather than use " " for a blank space.

6. Searching for keywords:

https://ppubs.uspto.gov/pubwebapp/external.html?q=heated%20NEAR%20(steering%2 0ADJ%20wheel)&db=USPAT&type=queryString

In this example, the search is for keywords heated NEAR (steering ADJ wheel). Use "%20" to insert a space(s) in the search query rather than use " " for a blank space. A searcher can use searchable index abbreviations in the query portion if needed.

7. Searching for multiple categories:

https://ppubs.uspto.gov/pubwebapp/external.html?q=(steering%20ADJ%20wheel)%20AND %20(tesla%20ADJ%20inc).as.&db=US-PGPUB,USPAT&type=queryString

In this example, the search was for keywords adjacent to each other (steering ADJ wheel) AND an assignee (Tesla ADJ inc).

Searchers can combine any of the above categories in creating a query. There is, however, a limitation as to how many characters can be in a query which varies based on the browser used. If a searcher finds that a query statement will not execute due to too many characters, the remedy is to break up the query statement into separate individual queries.

In addition to using %20 instead of a space in a search query, there are other ASCII encoding alternatives that may be for other characters. For a list, see <u>https://www.w3schools.com/tags/ref_urlencode.asp</u>.