

Patent Public Search - Basic Search overview



Quick Reference Guide 2024

In Patent Public Search's Basic Search, you can execute simple search queries.

Quick Lookup

1. Enter a patent number or published patent application number in the Quick Lookup query box and select "Search."
Patent numbers should be 7 digits with leading zeroes if needed. If there is a letter prefix for a design patent (D) or plant patent (PP) it will take the place of a digit in the 7-digit total. Utility patents numbered greater than 10 million will have 8 digits. (see **Figure 1**). Published patent applications numbers should be 11 digits with the first four digits the publication year.

A screenshot of the 'Quick lookup' search interface. It features a title 'Quick lookup' at the top. Below the title is a label 'Patent or Publication number' and a sub-label 'For example: 0123456 or 20210123456'. A search input field contains the text '9204578'. To the right of the input field is a blue button labeled 'Search'.

Figure 1. Quick lookup option

Basic Search: Everything

Basic Search provides two search query boxes that may be used to enter keywords. The "Everything" default will search all fields in patents and published patent applications in all three databases (USPAT, USOCR, US-PGPUB) for the word(s) in the search query boxes. In **Figure 2**, for example "automobile" is entered in the first search query box and "sensors" is entered in the second query box.

1. Enter a search word in each search query box. If only one query box is used, then only that word will be searched.
2. Select the set operator from the drop-down Operator menu. Select "AND" if a resulting document must have both term 1 and term 2. Select "OR" if a resulting document must have either term 1 or term 2. Select "NOT" if a resulting document must have term 1 but not term 2.
3. Select "Search" to produce a results list of patents and published patent applications.

A screenshot of the 'Basic search' interface. It has a title 'Basic search'. There are two search input fields, each with a dropdown menu set to 'Everything'. The first input field contains 'car' and the second contains 'wagon'. Between the two input fields is an 'Operator' dropdown menu set to 'AND'. At the bottom right are 'Reset' and 'Search' buttons.

Figure 2. Basic Search option
Everything [All fields]

Basic Search: Other possible fields

Search fields (searchable indexes) can focus a word or number search to designated areas of a publication record to create a results list of only documents with those words or numbers in a particular field or section of a document; see **Figure 3**. Both drop-down menus for Field 1 and Field 2 provide the user a choice of fields:

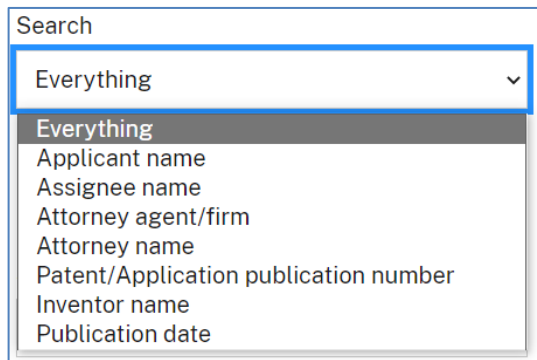


Figure 3. Field selection options

Search Results sample

Search results
Results for query "car AND wagon" Showing 1 to 50 of 1044 records

Result #	Document/Patent number	Display	Title	Inventor name	Publication date	Pages
1	US-11650109-B2	Preview PDF Text	Piezocapacitive textile using graphene	Aitchison; Phillip et al.	2023-05-16	8
2	US-11651105-B2	Preview PDF Text	Data privacy and security in vehicles	Amico; Andrea	2023-05-16	30
3	US-11648668-B2	Preview PDF Text	Robotic post system	Cristache; Lucian	2023-05-16	236
4	US-20220410948-A1	Preview PDF Text	METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN	RONSE; Frederick	2022-12-29	14
5	US-20220414167-A1	Preview PDF Text	TECHNIQUES TO LEVERAGE MACHINE LEARNING FOR SEARCH ENGINE OPTIMIZATION	TANG; Qiaochu et al.	2022-12-29	23
6	US-20220412016-A1	Preview PDF Text	SYSTEM FOR SCREENING BALLAST WITH TWO SCREENS	Ganz; Jörg	2022-12-29	10
7	US-20220414725-A1	Preview PDF Text	IN-VEHICLE SALES SYSTEM, MANAGEMENT SERVER, IN-VEHICLE SALES METHOD, AND IN-VEHICLE SALES PROGRAM	Igarashi; Minoru	2022-12-29	26
8	US-20220408826-A1	Preview PDF Text	SUSCEPTOR ARRANGEMENT FOR AN INDUCTIVELY-HEATED AEROSOL DELIVERY DEVICE	Crump; Bridget B. et al.	2022-12-29	27
9	US-20220410958-A1	Preview PDF Text	CHILD CARRYING DEVICE	CHEN; YANFU	2022-12-29	12
10	US-20220410958-A1	Preview PDF Text	CHILD CARRYING DEVICE	CHEN; YANFU	2022-12-29	12

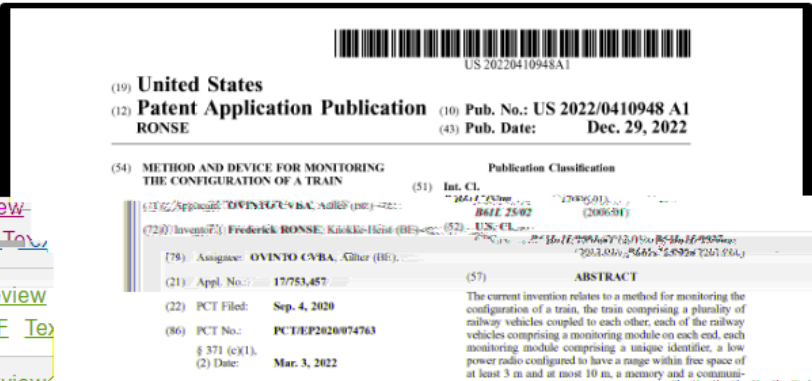
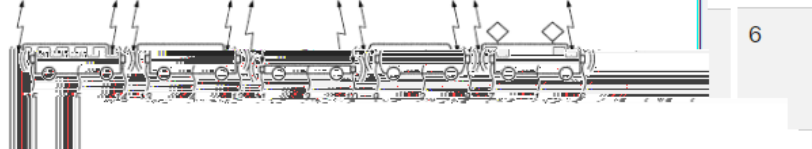
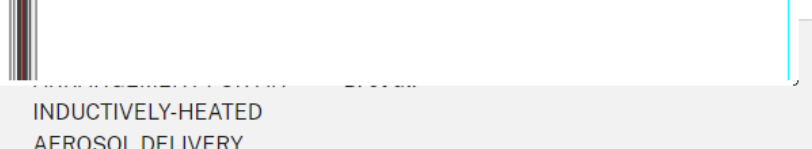
Figure 4. Search results

The Search results provide the option of viewing only the front page of a document ("Preview"), the entire document as a PDF file ("PDF") or the HTML full text ("Text"). Lists may be printed using your browser's web page print function.

Preview sample

Results for query "car AND wagon"

Showing 1 to 50 of 1044 records

Result #	Document/Patent number	Display				
1	US-11650109-B2	Preview PDF Text				
3	US-11648668-B2	Preview PDF Text				
	US-20220414167-A1	Preview PDF Text				
	US-20220412016-A1	Preview PDF Text				
	US-20220414725-A1	Preview PDF Text				
8	US-20220408826-A1	Preview PDF Text	<p>INDUCTIVELY-HEATED AEROSOL DELIVERY DEVICE</p>			
9	US-20220410958-A1	Preview PDF Text	CHILD CARRYING DEVICE	CHEN; YANFU	2022-12-29	12
10	US-20220410960-A1	Preview PDF Text	Removable Double Child Seat	Zehfuss; Mark	2022-12-29	8



US 20220410948A1

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RONSE (43) **Pub. Date: Dec. 29, 2022**

(54) **METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN**

Publication Classification

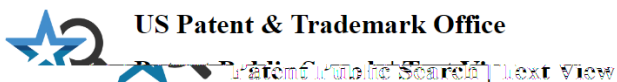
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 (52) **U.S. Cl.**
 CPC *B61L 15/0081* (2013.01); *B61L 15/0027* (2013.01); *B61L 25/028* (2013.01)

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 (22) PCT Filed: **Sep. 4, 2020**
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 § 371 (c)(1),
 (2) Date: **Mar. 3, 2022**

(57) **ABSTRACT**
 The current invention relates to a method for monitoring the configuration of a train, the train comprising a plurality of railway vehicles coupled to each other, each of the railway vehicles comprising a monitoring module on each end, each monitoring module comprising a unique identifier, a low power radio configured to have a range within free space of at least 3 m and at most 10 m, a memory and a communication means to wirelessly communicate with a processing unit. The inventions also relates to a device for monitoring the configuration of a train.

(30) **Foreign Application Priority Data**
 Sep. 4, 2019 (EP) 19195436.1



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METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN

Abstract

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and at most

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