

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.

The screenshot shows a search box titled "Quick lookup". Below the title is the label "Patent or Publication number" and an example: "For example: 0123456 or 20210123456". The search box contains the text "9204578". To the right of the search box 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.

The screenshot shows a search interface titled "Basic search". It has two search boxes, each with a dropdown menu set to "Everything". The first search box contains the text "car" and the second search box contains the text "wagon". Between the search boxes is a dropdown menu for the "Operator" set to "AND". At the bottom right are two buttons: "Reset" and "Search".

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:

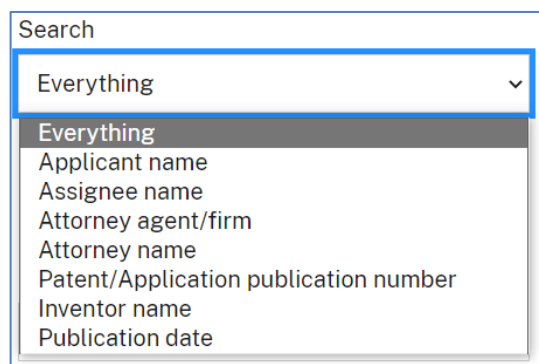


Figure 3. Field selection options

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

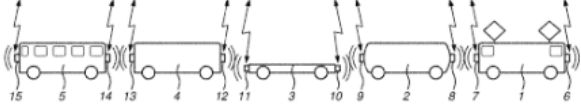
Figure 4. Search results

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	 US 20220410948A1 (19) United States (12) Patent Application Publication (10) Pub. No.: US 2022/0410948 A1 RONSE (43) Pub. Date: Dec. 29, 2022 (54) METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN (51) Int. Cl. B61L 15/00 (2006.01) B61L 25/02 (2006.01) (71) Applicant: OVINTO CVBA, Aalter (BE) (72) Inventor: Frederick RONSE, Knokke-Heist (BE) (73) Assignee: OVINTO CVBA, Aalter (BE) (21) Appl. No.: 17/753,457 (22) PCT Filed: Sep. 4, 2020 (86) PCT No.: PCT/EP2020/074763 § 371 (c)(1). (2) Date: Mar. 3, 2022 (30) Foreign Application Priority Data Sep. 4, 2019 (EP) 19195436.1 PUBLICATION CLASSIFICATION (52) U.S. CL. CPC B61L 15/0081 (2013.01); B61L 15/0027 (2013.01); B61L 25/028 (2013.01) 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 invention also relates to a device for monitoring the configuration of a train. 			
2	US-11651105-B2	Preview PDF Text				
3	US-11648668-B2	Preview PDF Text				
4	US-20220410948-A1	Preview PDF Text				
5	US-20220414167-A1	Preview PDF Text				
6	US-20220412016-A1	Preview PDF Text				
7	US-20220414725-A1	Preview PDF Text				
8	US-20220408826-A1	Preview PDF Text	INDUCTIVELY-HEATED AEROSOL DELIVERY DEVICE			
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



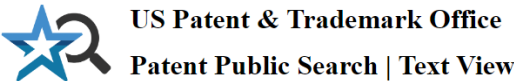
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RONSE (43) **Pub. Date: Dec. 29, 2022**

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

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(71) Applicant: **OVINTO CVBA**, Aalter (BE)
(72) Inventor: **Frederick RONSE**, Knokke-Heist (BE)
(73) Assignee: **OVINTO CVBA**, Aalter (BE)
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(2) Date: **Mar. 3, 2022**
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(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.



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METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN

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.

Inventors: RONSE; Frederick (Knokke-Heist, BE)
Applicant: OVINTO CVBA (Aalter, BE)
Family ID: 67851069
Assignee: OVINTO CVBA (Aalter, BE)
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