

# 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.

**Quick lookup**

Patent or Publication number

For example: 0123456 or 20210123456

9204578 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.

**Basic search**

Search For

Everything car

Operator

AND

Search For

Everything wagon

Reset 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:

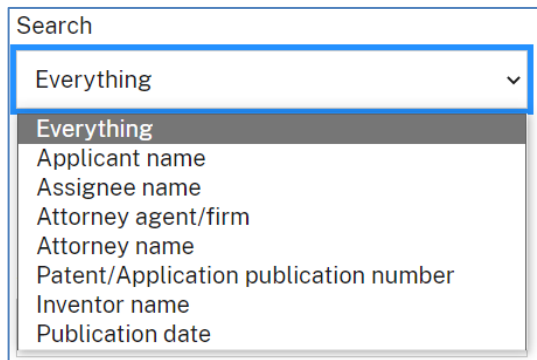


Figure 3. Field selection options

## Search Results sample

Result #	Document/Patent number	Display	Title	Inventor name	Publication date	Pages
1	US-11650109-B2	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	Piezocapacitive textile using graphene	Aitchison; Phillip et al.	2023-05-16	8
2	US-11651105-B2	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	Data privacy and security in vehicles	Amico; Andrea	2023-05-16	30
3	US-11648668-B2	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	Robotic post system	Cristache; Lucian	2023-05-16	236
4	US-20220410948-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	METHOD AND DEVICE FOR MONITORING THE CONFIGURATION OF A TRAIN	RONSE; Frederick	2022-12-29	14
5	US-20220414167-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	TECHNIQUES TO LEVERAGE MACHINE LEARNING FOR SEARCH ENGINE OPTIMIZATION	TANG; Qiaochu et al.	2022-12-29	23
6	US-20220412016-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	SYSTEM FOR SCREENING BALLAST WITH TWO SCREENS	Ganz; Jörg	2022-12-29	10
7	US-20220414725-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	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	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	SUSCEPTOR ARRANGEMENT FOR AN INDUCTIVELY-HEATED AEROSOL DELIVERY DEVICE	Crump; Bridget B. et al.	2022-12-29	27
9	US-20220410958-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	CHILD CARRYING DEVICE	CHEN; YANFU	2022-12-29	12
10	US-20220410958-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	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	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
2	US-11651105-B2	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
3	US-11648668-B2	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
4	US-20220410948-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
5	US-20220414167-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
6	US-20220412016-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
7	US-20220414725-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
8	US-20220408826-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>				
			<p>INDUCTIVELY-HEATED AEROSOL DELIVERY DEVICE</p>			
9	US-20220410958-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	CHILD CARRYING DEVICE	CHEN; YANFU	2022-12-29	12
10	US-20220410960-A1	<a href="#">Preview</a> <a href="#">PDF</a> <a href="#">Text</a>	Removable Double Child Seat	Zehfuss; Mark	2022-12-29	8



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**

**Publication Classification**

(71) Applicant: **OVINTO CVBA**, Aalter (BE)  
 (72) Inventor: **Frederick RONSE**, Knokke-Heist (BE)  
 (73) Assignee: **OVINTO CVBA**, Aalter (BE)

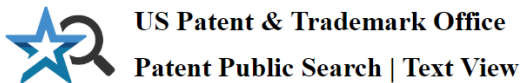
(51) **Int. Cl.**  
*B61L 15/00* (2006.01)  
*B61L 25/02* (2006.01)  
 (52) **U.S. Cl.**  
 CPC ..... *B61L 15/0081* (2013.01); *B61L 15/0027* (2013.01); *B61L 25/028* (2013.01)

(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**

(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



United States Patent Application Publication	20220410948
Kind Code	A1
Publication Date	December 29, 2022
Inventor(s)	RONSE; Frederick

**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)  
**Appl. No.:** 17/753457  
**Filed (or PCT Filed):** September 04, 2020  
**PCT No.:** PCT/EP2020/074763

**Foreign Application Priority Data**  
 EP 19195436.1

Sep. 04, 2019

## Advanced Search

Select "Go to advanced search" in the top right corner of the page to open up a new tab for Patent Public Search's Advanced Search. Searches and search results conducted in Basic Search will not transfer to Advanced Search, but the Basic Search session will remain open in its own tab for comparison.