

# Espacenet - Guide to keyboard accessibility

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# 1. Introduction

Whether as a personal preference, for ergonomic reasons or due to a physical impairment, it is very important for some users to be able to use the keyboard instead of the mouse to navigate through Espacenet.

This guide explains in detail how to use the main functionalities of Espacenet without a single mouse-click.

# 2. Standard keys

You can navigate through the different interface elements (e.g. links, buttons, search fields) using the standard keys shown below. Keyboard accessibility in Espacenet complies with the recommendations of the W3C's <u>WAI-ARIA 1.0 Authoring Practices</u>.

• Use the **Tab** key 🔄 to move to the next element and **Shift** 🛈 **+Tab** 🔄 to go back.

The element your keyboard focus is on at any given time is visually highlighted. Google Chrome, for instance, uses a blue border for this.



- Press Enter ☐ (or the Space bar ☐ ) to activate a link or button or to open or close a drop-down menu. For example, if your focus is on an element that has a : or ∨ symbol, pressing Enter or the Space bar will open the related drop-down menu.
- Use the **Down** and **Up** arrow keys to move through the menu items. Hint: another way to go to a menu item is to type its first letter.



- Use **Esc** to close a popup (i.e. works the same as clicking the **Close** button in the top right-hand corner).
- Use Page down (or the Space bar ) and Page up (or Shift ) + Space
   ) to move the scrollbar and navigate up and down through the section you are viewing.

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2000 213 results found       <	☆ US2006182154A1 Method of controlling laser oscillation of pulsed laser and pulsed laser system           Claims ∨	Available in 🗸	Patent Translate 🗸 🗄 X
1. Method of controlling laser oscillation of pulse	Original claims         Claims tree           beam; and	ser beam as	· · · · · ·
2. PULSED LASER DRIVER W02021017671A1 • 2021-02-04 • PHOTONIC TE Earliest priority: 2019-07-26 • Earliest publication: A publicad laser driver (1) utilizes a high-voltage switch transistor (102) to support a high output voltage for a generate a publised current that is supplied to the laster (100)	<ol> <li>The method of controlling laser oscillation from a pulsed laser a claim 1, wherein said pulsed laser is any one of an ultra-short pulsed laser and a st laser.</li> <li>A pulsed laser system, comprising:</li> </ol>	ccording to nort pulsed	700 1 = marked from the second seco

• Use the **Right** and **Left** arrow keys to go from one page to the next and back in the **Original document** view ...

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	FIG. 1	FIG. 2 me

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 Patent search ×Q Office/Language v pulsed laser ... or from one Results Advanced search Differs rch D Pe drawing to another in Return > US2016352426A1 200 213 results found ☆ US2016352426A1 PULSED LASER COMMUNICATION the **Bibliographic** Patent Translate 🗸 🕴 🗙 Latves Latveet Solor Test only v Al v Relevance v I Description ~ data, Description or 20 patents services; Select the first 40 results ¢ Global Dossier A <u>n</u> Claims views 13. PULSED LASER COMMUNICATION > US2016352426A1 • 2016-12-01 • BOWER. Earliest priority: 2015-05-28 • Earliest publi. Data originating from sou BACKGROUND ent life, information is end oded in a pulsed laser beam. The pulsed laser beam is a ¢ [0001] The search for e < arious methodologies. For example, electro nalyzed to delermine whether any patterns as been no documented success in detect 14. Laser pro US93501737B1 • 2016 05-24 • TAKEHISA Earliest priority: 2015-01-23 • Earliest put The disclosed invention relates to a method of realizing a later processing system. The system relating to one second of the invention is prior ing carliest con relates to a method rocessing system. The sys act of the invest BRIEF DESCRIPTION OF THE DRAWINGS [0002] FIG. 1 shows a laser and control sys pulses into space indicating the existence o an implementation 15. SOLID-STATE LASER SYSTEM

• Use the **numeric keys** to go to the various document views. The views are numbered in the order of display: **1 Bibliographic data**, **2 Description**, **3 Claims**, etc. Simply press the appropriate numeric key to go to the view you want.

Espacenet Patent search	pulsed laser			×	۹	Office/Language	~
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213 results found <	☆ US2006182154A	Method of contro	ling laser oscillation o	f pulsed laser and pulsed laser system	Available in 🗸 P	atent Translate 🗸 🕴 🗙	63
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2 US2006182154A1	Method of c	ontrolling	aser oscilla	tion of pulsed laser an	d pulsed la	ser system Av	
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<b>Bibliographic data</b>	Description	Claime	Drawinge	Original document	Citatione	Logal evente	Patent famile
Dibilographic data	Description	Claims	Drawings	Original document	Citations	Legarevento	r atont fanni
PULSED LASER DRIVER	CPC	B23K26/0624 (EP);	B23K26/705 (EP); H015	3/139 (EP); H01S3/082 (EP);	4 4 4	DRIVE SEGNAL DETECTED SIGNAL	
st priority: 2019-07-26 • Earliest publi		H01S3/106 (EP); H0	0153/1106 (EP);			cowneo, calour - 214	
Ised laser driver (1) utilizes a high-voltage	Drivities	IP20050060384-20	05.01.13				-
transistor (102) to support a high output	Application	US33022306A-200	L01-12				
a la su general a parte content a su a	Publication	US2006182154A1-2	2006-08-17				
NANOSECOND PULSED FIBER LAS							
019090957A1 • 2019-05-16 • UNIV S	Published as	JP2006196638A-U	\$2006182154A1				
st priority: 2017-11-08 • Earliest publi							
inosecond pulsed fiber laser device,							
d stage pulsed laser generator (2), a third				EN			
	Method of controlli	no laser oscillation o	f ruleed laser and rule	art laser system			
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# 3. Focus

When an element (e.g. links, buttons, search fields) is accessed via keyboard navigation, it is identified by a "focus ring". In Google Chrome, for instance, focused elements are usually highlighted with a blue border.

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My Espacenet	Help Classification	Advanced search	Feedback	
Espacenet: free access to over 120 million patent documents				

However, in the **Results** list and the document pane, some focused elements are identified by a greyed-out area instead, e.g. the result you are currently viewing and the toolbar elements which allow you to choose your display preferences.

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Home > Results > WO2019090957A1	
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2. NANOSECOND PULSED FIBER LASER DEVICE	
WO2019090957A1 • 2019-05-16 • UNIV SHENZHEN [	Register 🤊 🚯 Global Dossier 🤊
Earliest priority: 2017-11-08 • Earliest publication: 2018	Applicants UNIV SHENZHEN [CN] +
A nanosecond pulsed fiber laser device, comprising a first stage	Inventors FAN DIANYUAN [CN]; HU BIN [CN]; WANG SHIWEI [CN];
pulsed laser generator (1), a second stage pulsed laser generator	YANG JIANLONG [CN]; ZHONG HAIZHE [CN] +
(2), a third stage pulsed laser generator (3) and a continuous laser	
	Classifications
3. LASER PROCESSING DEVICE, AND LASER PR	IPC H01S3/067; H01S3/0941; H01S5/40;
WO2020166670A1 • 2020-08-20 • INTER-UNIVERSIT	
Earliest priority: 2019-02-13 • Earliest publication: 2020	CPC H01S3/067 (EP.CN): H01S3/094 (EP.CN):
A laser processing device according to one embodiment of the	H01S3/0941 (EP,CN); H01S5/4018 (EP,CN);
processing region of a workniege to a laser peeping process or a	
processing region of a womplete to a later peening process of a	Priorities CN201711089617A-2017-11-08
4. LASER APPARATUS CAPABLE OF CHANGING	Application CN2018071146W-2018-01-04
WO2014148699A1 • 2014-09-25 • UNIV KONKUK IND	Publication WO201909095741:2019-05-16
Earliest priority: 2013-03-22 • Earliest publication: 2013	
The present invention relates to a laser apparatus for tactile	
display and tactile regulation, which outputs a pulsed laser beam	

# 4. Running a search

## 4.1. Smart search

Once you have opened Espacenet, press the **Tab** key as many times as needed to have your focus ("blue border") on the single-line search form, called **Smart search**.

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A Frankrike Grander Grander State of security State of security	Enter your search terms Smart search	Q	Office/Language 🗸
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Then enter your keyword(s).					
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1. Method of controlling laser os	sillation of pulsed laser and pulsed las			
US2006182154A1 • 2006-08-17 • RIKEN [JP]				
Earliest priority: 2005-01-13 • Earlie	st publication: 2006-07-27			
In order to perform positional control c	a condensing spot of pulsed laser beam			
highly accurately when performing optic	I modeling pulsed laser, which are ultra-			

If you need to refine your search, i.e. add or remove search terms to/from your query, hold **Shift** and press **Tab** as many times as needed to go back to the **Smart search** form.

## 4.2. Advanced search

The principle is the same if you want to use the **Advanced search** form instead. Use **Tab** or **Shift + Tab** to move your focus to the **Advanced search** radio button (toggle) in the navigation bar.

Europäisches Patentamt Europaan Office auropäen des brevets	Espacenet Patent search	Enter your search ter	ms	Q Office/Language V
My Espacenet	Help Classification	search Results	Advanced search	Feedback
Press <b>Enter</b> t	to open the <b>Ad</b>	vanced search	n form.	My Espacenet Help Classification search Results O Advanced search
Press Tab as	many times as	s needed to mo	ve your	Query language: en de fr 🗸
focus to the s your keyword	earch fields wh	iere you want t	o type in	AND $\checkmark$ + Field X Title $\checkmark$ all $\checkmark$ $\rightarrow$ Group pulsed laser $\checkmark$ X Title or abstract $\checkmark$ all $\checkmark$ $\rightarrow$ Group $\checkmark$ $\land$ $\rightarrow$ Group $\checkmark$ $\checkmark$ $\rightarrow$ Publication number $\checkmark$

Then press **Enter** to run your search.

If you want, you can also add fields or groups, as well as change operators or search field types. The availability of drop-down menus is identified by a i or v symbol. To open them, press **Enter** when your focus is on the element next to which the symbol is displayed. You can then navigate through the drop-down menu using the **Down** or **Up** arrow or else you can access the menu item directly by typing its **first letter**. Pressing **Enter** will apply the selected item.

Search Reset

# 5. Using the Results list information

## 5.1. Navigating

To go straight to the first document in the list produced after running your search, simply press the **Down** arrow. The result you focus on is greyed out instead of being highlighted by a blue border.

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Home > Results > US2006182154A1				
191 612 results found       Menu         List view       List content         Text only       All         Q patents selected)       Select the first 20 results         Image: Select the first 20 results       Bibliographic data ✓				
US2006182154A1 • 2006-08-17 • RIKEN [JP]	🚯 Global Dossier 🦻			
In order to perform positional control of a condensing spot of pulsed laser beam highly accurately when performing optical modeling pulsed laser, which are ultra-short pulsed lasers such	Applicants         RIKEN [JP] +           Inventors         HAYASHI TAKAYUKI [JP]; KAWATA SATOSHI [JP]; TANAKA           TAKUO [JP] +			
2. NANOSECOND PULSED FIBER LASER DEVICE W02019090957A1 • 2019-05-16 • UNIV SHENZHEN [	Classifications IPC H0153/10;			

When you access the first result, the document pane containing detailed document information (**Bibliographic data**, **Description**, **Claims**, etc.) opens automatically on the right.

To browse the **Results** list, press the **Down** and **Up** arrow keys or, if you prefer, the **N** and **P** keys.

The **Results** list and the document pane are "sticky". This means that, as you navigate through the list, the detailed document information view in the right-hand pane will always correspond to the currently focused result.

## 5.2. Choosing your display

To access the various display options, i.e. for the **List view**, **List content** or **Sort by** elements, use **Tab** or **Shift + Tab** to move your focus to one of the displayed views (e.g. **List view – Text only v**). The focused element is identified by a greyed-out area. The v symbol shows that you can open a drop-down menu.

To open a drop-down menu, press **Enter**. To navigate in the menu, use the **Down** and **Up** arrows or type the first letter of the item that you want to select. To apply the selected display, press **Enter**.

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Home > Results > US2006182154A1	
191 612 results found          List view       List content       Sort by         Text only       All       Relevance         (0 patents selected)       Select the first 20 results         1. Method of controlling laser       oscillation of pulsed las	<ul> <li>☆ US2006182154A1 Method of controlling laser oscillation of pulsed laser and pulsed laser system</li> <li>Available in ∨ Patent Translate ∨ : ×</li> <li>Bibliographic data ∨</li> </ul>
US2006182154A1 • 2006-08-17 • RIKEN [JP] Earliest priority: 2005-01-13 • Earliest publication: 2006 In order to perform positional control of a condensing spot of pulsed laser beam highly accurately when performing optical modeling pulsed laser, which are ultra-short pulsed lasers such	● Global Dossier >           Applicants         RIKEN [JP] +           Inventors         HAYASHI TAKAYUKI [JP]; KAWATA SATOSHI [JP]; TANAKA           TAKUO [JP] +

## **Display options:**

 List view – choose any of the following views: Text only, Text and thumbnails, Compact list or Drawings only

 List content - Select All hits or only the Selected ones

 Sort by - Sort the list by Relevance, descending or ascending Priority date or descending or ascending Publication date



## 5.3. Selecting specific results

To download or print specific result in the **Results** list or add them to **My patents**, you first need to select them. To select a result using the keyboard, navigate to it in the list using the **Down** or **Up** arrow and press **Enter** when your focus (greyed-out area) is on it.

A check will then appear in the box to the left of the selected result. You can select as many results as you want in the same way. If you want to deselect a result, press **Enter** again

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Home > Results > WO2019090957A1	
191 612 results found <	☆ WO2019090957A1 NANOSECOND PULSED FIBER LASER DEVICE
List view List content Sort by Text only V All V Relevance V	Available in V Patent Translate V : X
(1 patent selected) Select the first 20 results	Bibliographic data 🗸
☐ 1. Method of controlling laser oscillation of pulsed las US2006182154A1 • 2006-08-17 • RIKEN [JP]	Register 🤊 😗 Global Dossier 🧷
Earliest priority: 2005-01-13 • Earliest publication: 2006	Applicants UNIV SHENZHEN [CN] +
In order to perform positional control of a condensing spot of pulsed laser beam highly accurately when performing optical modeling pulsed laser, which are ultra-short pulsed lasers such	Inventors FAN DIANYUAN [CN]; HU BIN [CN]; WANG SHIWEI [CN]; YANG JIANLONG [CN]; ZHONG HAIZHE [CN] +
<b>X</b>	Classifications
☑ 2. NANOSECOND PULSED FIBER LASER DEVICE WO2019090957A1 • 2019-05-16 • UNIV SHENZHEN [	IPC H01\$3/067; H01\$3/0941; H01\$5/40;
Earliest priority: 2017-11-08 • Earliest publication: 2018 A nanosecond pulsed fiber laser device, comprising a first stage pulsed laser generator (1), a second stage pulsed laser generator (2), a third stage pulsed laser generator (3) and a continuous laser	CPC H01S3/067 (EP,CN); H01S3/094 (EP,CN); H01S3/0941 (EP,CN); H01S5/4018 (EP,CN);
	Priorities CN201711089617A·2017-11-08
3. LASER PROCESSING DEVICE, AND LASER PR	Application CN2018071146W·2018-01-04
WO2020166670A1 • 2020-08-20 • INTER-UNIVERSIT	Publication WO2019090957A1·2019-05-16
Earliest priority: 2019-02-13 • Earliest publication: 2020	
A laser processing device according to one embodiment of the present invention is a laser processing device for subjecting a	

Once you have selected all the results you want, you can download, print or add them to **My patents** via the *three dots* menu (:) (see 5.4 below).

## 5.4. Downloading, printing or using other features

To download and print results or access other features applicable to the **Results** list, go to the *three dots* (:) on the top right-hand side of the list.

When your focus is on the *three dots* (:) (using **Tab** or **Shift** + **Tab** to get there), press **Enter** to open the drop-down menu.

The following illustrates how to download the **Results** list in xlxs format.

To select **Download**, press the **Down** arrow or type the **first** letter (<u>**D**</u>ownload</u>).

The v symbol next to **Download** indicates that there is another drop-down menu to be opened.

#### Press Enter to open it.

To select List (xlsx), press the Down arrow again or type the first letter (List (xlsx)).

Press Enter to launch the download of the selected results in xlsx format.



Press **Enter** to open a popup which allows you to select the number of results you want to download. Then go to the **Download** button (using **Tab** or **Shift** + **Tab** to get there) and press **Enter** to launch the download action.

		Download XLS	×
You are about to de	ownload results:	20 \$	
Download	1		

To exit the download popup, press **Esc**.

#### Note:

You can download a maximum of 500 results.

# 6. Using the detailed document information

#### 6.1. Accessing a specific document view

Various document views can be displayed to the right of the **Results** list (**Bibliographic data**, **Description**, **Claims**, etc.). They can be accessed either via a navigation toolbar or a drop-down menu, depending on the device and zoom level used.

When the document views are accessible via a navigation bar, use **Tab** or **Shift + Tab** to move your focus to the view tab you want (e.g. **Description**) and press **Enter** to open the view.

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My Espacenet Help Classification search Results	Advanced search     Image: Search      Popup tips	Report data error Feedback
Home > Results > EP0411942A2		
191 612 results found <sup>&lt;</sup>	✿ EP0411942A2 Parametric pulsed laser system.	vailable in 🗸 Patent Translate 🗸 🗄 🗙
List view List content Sort by Text only V All V Relevance V	Bibliographic data Description Claims Drawings Original document Citations Legal events Patent family	
(0 patents selected) Select the first 40 results	Register A 🛛 Global Dossier A	en ¢ < >
■ 8. Parametric pulsed laser system. EP0411942A2 (A3,B1) • 1991-02-06 • HAMAMA	Data originating from sources other than the EPO may not be accurate, complete, or up to date.	
Earliest priority: 1989-08-03 • Earliest publication: 1991 Light input means (11) inputs exciting pulsed light beams to a	[0001] This invention relates to a parametric pulse laser.	
directions. The parametric oscillator (12) including a	[0002] In order for information to be transmitted at enhanced density and resolution in optical communications, the width of lig from lasers has to be reduced as much as possible.	th pulses emitted
9.         LASER         SYSTEM           W02015189895A1 • 2015-12-17 • GIGAPHOTO         Statistical production of the state of the s	[0003] One of the techniques commonly employed to oscillate pulse lasers is to input pulse light to a parametric element so t light is obtained. In such parametric pulse lasers, visible light having a frequency of v. and infrared light having a frequency or optical outries when ultraviolatel light having a frequency of v. as noticial input and the relationship v. y. v. v.	hat parametric pulse
Earliest, proving, 2014-00-09 * Earliest publication: 2019 This laser system is provided with: a first laser device that outputs first pulsed laser light; a second laser device second passing timing, a first trigger timing for having the first	[0004] Conventional parametric pulse lasers are only capable of converting wavelength of the input light, and the width of our cannot be made substantially shorter than that of the input pulse light.	put light pulses
□ 10. Laser processing method and laser proces CN102785028A (B) • 2012-11-21 • DISCO CORP	[0005] According to this invention a parametric pulsed laser comprises a pulsed laser source for emitting a pulsed laser beam; light input means for receiving the pulsed laser beam and inputting exciting pulsed light beams into a parametric oscillator sin	nultaneously from a

On certain devices or at higher zoom level, access via a navigation bar is replaced by access via a drop-down menu.

A v symbol is then displayed next to the name of the currently displayed document view (e.g. **Bibliographic data**).

When your focus is there (using **Tab** or **Shift + Tab** to get there), press **Enter** to open the drop-down menu.

Use the **Down** or **Up arrow** or type the **first** letter of the view's name to select the tab you want (e.g. <u>C</u>laims) and then press **Enter** to open it.

ibliographic data	v 🥌	
	Bibliographic data	
Register 7 1 GI Applicants	Description	KK [JP] +
Inventors	Claims	HAMAMAT [JP]; SUZUKI HIDEO C O HAMAMATSU PHO
	Drawings	
Classifications IPC	Original document	3/00; H01S3/108; G02B6/34; (IPC1-7): G02F1/39;
	Citations	
CPC	Legal events	7 (EP); G02B6/2931 (EP); G02B6/29394 (EP);
Priorities	Patent family	JP24728289A-1989-09-22
Application Publication	EP90308525A-1990-08-0 EP0411942A2-1991-02-0	02 06
Published as	DE69013265T2; EP0411 JPH03155690A; US5119	942A2;EP0411942A3; EP0411942B1; JP2505892B2; 3385A

You can also access and open the document views directly using the numeric keys:

- Press 1 for Bibliographic data
- Press 2 for Description
- o Press 3 for Claims
- Press **4** for **Drawings**
- Press **5** for **Original document**
- Press 6 for Citations Cited documents
- Press 7 for Legal events
- Press 8 for Patent family Simple family

Elements in these views which enable further action (e.g. links, extended information via a + symbol, access to other language tabs) can then be accessed and activated using the standard keys.

# 6.2. Navigating through drawings in the Bibliographic data, Description and Claims views

When you select a document in the **Results** list and look at the **Bibliographic data**, **Description** or **Claims** view, the drawings are displayed either to the right or at the bottom of the document pane, depending on the device or zoom level used.

To go to the next or previous drawing, use the **Right** or **Left** arrow key on your keyboard.

Another – but slower – way to do this is to use **Tab** or **Shift + Tab** to move your focus to the right > or left < arrow displayed on the screen and then press **Enter** (illustration below for the **Bibliographic data** view).



## 6.3. Navigating through the drawings in the Drawings view

When multiple drawings are displayed in the **Drawings** view and you need to use the scrollbar to view them all, you can move the scrollbar using **Page down** and **Page up**.

But you first need to focus on one of the drawings by using the **Tab** key.

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Home > Results > US2006182154A1		
200 008 results found          List view       List content       Sort by         Text only       All       Relevance       :         ☑ (1 patent selected) Select the first 20 results	☆ US2006182154A1 Method of controlling laser oscil pulsed laser system Drawings ✓ Drawing page 1 of 9	ation of pulsed laser andAvailable in ♀ : ×
1. Method of controlling laser oscillation of pulsed I US2006182154A1 • 2006-08-17 • RIKEN [JP] Earliest priority: 2005-01-13 • Earliest publication: 200 In order to perform positional control of a condensing spot of pulsed laser beam highly accurately when performing optical modeling pulsed laser, which are ultra-short pulsed lasers such	Ранке Анулікатіля Районіла Анд. 17.3006. Share 1 ог 9 — 13.3066/1023/54.41 52 - 600-2014-00 - 770-00 1-1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Paser Application Publication Aug. 17, 2006 Skert 2 of 9 15 2006/0122154 A1
2. PULSED LASER DRIVER W02021017671A1 • 2021-02-04 • PHOTONIC TECH Earliest priority: 2019-07-26 • Earliest publication: 201A pulsed laser driver (1) utilizes a high-voltage switch transistor (102) to support a high output voltage for a generate a pulsed current that is supplied to the laser (106) to generate an output 3. NANOSECOND PULSED FIBER LASER DEVICE W02019090957A1 • 2019-05-16 • UNIV SHENZHEN [ Earliest priority: 2017-11-08 • Earliest publication: 201	FIG. 1 20 urm-seen num urm-seen po	FIG. 2 PREA MERCINA A A A A A A A A A A A A A A A A A A
A nanosecond pulsed fiber laser device, comprising a first stage pulsed laser generator (1), a second stage pulsed laser		J

## 6.4. Navigating in the Description and Claims views

You can move the scrollbar to go down or up in the **Description** or **Claims** views by using **Page down** and **Page up**.

But you first need to focus on the **Description** or **Claims** text by using the **Tab** key.

☆ US2006182154A1 Method of controlling laser oscillation of pulsed laser and pulsed laser Available in ∨ Patent system	Translate 🗸 : X					
Bibliographic data Description Claims Drawings Original document Citations Legal events Patent family						
● Global Dossier フ	¢ < >					
Data originating from sources other than the EPO may not be accurate, complete, or up to date.						
BACKGROUND OF THE INVENTION						
[0002] The present invention relates to a method of controlling laser oscillation of a pulsed laser and a pulsed laser system, more particularly to a method of controlling laser oscillation of a pulsed laser and a pulsed laser system which are preferably used in ultrashort pulsed lasers such as a femtosecond laser and short pulsed lasers such as a picosecond laser and a sub-picosecond laser.						
[0003] 2. Description of the Related Art						
[0004] In recent years, engineering development has been actively done where ultra-short pulsed lasers such as a femtosecond laser						

## 6.5. Navigating in the Original document view

You can go down or up in the **Original document** view by using the **Page down** and **Page up** keys (same effect as moving the scrollbar).

But you first need to focus on the sub-navigation bar in the **Original document** view (e.g. **Bibliographic data** tab) by using the **Tab** key.

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Original document	~							
Bibliographic data	Drawings	Description	Claims	Page	1 🗸	/18	<	>
			US US	20060182154A1				
(19) Unit	ed States							
(12) Patel Tanaka	nt Applica a et al.	tion Public:	ation (10) Pu (43) Pu	b. No.: US 200 b. Date:	6/018215 Aug. 17, 2	4 A1 2006		
(54) METHO OSCILI PULSE	DD OF CONTROL LATION OF PULS D LASER SYSTEM	LING LASER ED LASER AND M	(51) Int. Cl.	Publication Classifie	cation			

There are two ways to go to the next or previous page.

One way to move through the pages is to use the **Right** or **Left arrow** on your keyboard.

Another – but slower – way to do this is to use **Tab** or **Shift + Tab** to move your focus to the right > or left < arrow displayed on the screen and then press **Enter**.



## 6.6. Downloading a document view or sharing the document link

The **Description**, **Claims**, **Original document**, **Citations**, **Legal events** and **Patent family** views can be downloaded via the *three dots* (:) displayed at the top right-hand side of the document pane.

☆ US2006182154A laser and pulsed lase	1 Method of er system	controlling las	<mark>er</mark> oscillation o	f <mark>pulsed</mark>	Availab	le in 🗸	÷×
Original document	~						
Bibliographic data	Drawings	Description	Claims	Page	1 🗸	/18 <	>
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(54) METHO OSCILI PULSE	DD OF CONTROL LATION OF PULS D LASER SYSTEM	LING LASER ED LASER AND M	Pa (51) Int. Cl.	ublication Classific	ation		

When your focus is on the *three dots* (:) (using **Tab** or **Shift** + **Tab** to get there), press **Enter** to open the drop-down menu.

The following illustrates how to download the original document.

To select **Download**, use the **Down** arrow or type the **first** letter (<u>D</u>ownload).

The v symbol next to **Download** indicates that there is another drop-down menu to be opened.

Press Enter to open it.

To select Original document, press the Down arrow again or the first letter (Original document).

Press Enter to launch the download of the original document.

☆ US2006182154A1 Method of controlling laser oscillation of pulsed laser and pulsed laser system	Available in 🗸 🗄	× Download	~
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Bibliographic data Drawings Description Claims Page	1 <b>∨</b> /18 <	>	Original document
US 20060182154A1			Share this patent
(19) United States (12) Patent Application Publication (10) Pub. No.: US 2006 Tanaka et al. (10) Pub. Date: A (54) METHOD OF CONTROLLING LASER OSCILLATION OF PULSED LASER AND PULSED LASER SYSTEM (51) Int. CL	/0182154 A1 ug. 17, 2006		

# 7. Using the Filters

Espacenet allows you to filter your search results by various categories, such as *countries, languages, publication and priority dates, classification, applicants, inventors and their countries of residence.* 

Use **Tab** or **Shift + Tab** to move your focus to the **Filters** radio button (toggle) in the navigation bar.



Press **Enter** to open **Filters** and use **Tab** to move your focus to the filter you want. The screenshots below illustrate how to use the **Countries (publication)** filter.

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Family		Earliest priority: 2017-11-08 • Earliest publication: 2018	ы	Dilographic data 🗸
Earliest priority date	~	A nanosecond pulsed fiber laser device, comprising a first stage pulsed laser generator (1), a second stage pulsed laser generator (2), a third stage pulsed laser generator (3) and a continuous laser		Page <u>1 v</u> /21 < >
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#### Press Enter to open the drop-down menu.

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□ wo	45 259 26 684	pulsed laser beam highly accurately when perform modeling pulsed laser, which are ultra-short pul	ming optical Ised lasers such	
	23 137	2. NANOSECOND PULSED FIBER LAS WO2019090957A1 • 2019-05-16 • UNIV SI Earliest priority: 2017-11-08 • Earliest publi	ER DEVICE HENZHEN [	
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Use the **Down** or **Up arrow** to select e.g. **WO**.

When your focus is on the **Apply** button (after having used **Tab** or **Shift + Tab** to get there), press **Enter** to apply selected the filter.



Please note that the filters do not show all items but only the most frequently used ones. For example, the **CPC subgroups** filter will show only the 150 CPC codes most frequently used at the subgroup level.

# 8. Help

Support is provided via tooltips or popup tips, a patent information glossary and supporting documents that can be accessed via links in the main Help view. You can also use the contact form to ask the Espacenet team any questions you may have.

# 8.1. Tooltips and popup tips

Some elements in the user interface have a short tooltip explaining what the feature is about.

For mouse users, tooltips normally open on hovering the mouse cursor over them.

For those navigating with the keyboard, these tooltips automatically open when the focus is on the related element.



However, to prevent too many distractions for Espacenet users, only a limited number of tooltips are displayed automatically. You can activate the others by selecting the **Popup tips** radio button (using **Tab** or **Shift + Tab** to get there and then pressing **Enter**). *Blue question marks* will then appear beside the various interface elements. Most of these tips are linked to the **Glossary**, while others explain the available feature.



Once your focus is on the *blue question mark* you want, the popup will open automatically.

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To deactivate the Popup tips radio button, move your focus back to it and press Enter.

## 8.2. Help view

When your focus is on **Help** in the navigation bar (using **Tab** or **Shift + Tab** to get there), press **Enter** to open the view.



To close the **Espacenet – help** popup, press **Esc**.

# 9. Any more questions?

Feel free to post in the Espacenet <u>forum</u> or contact us via our <u>contact form</u> if you have any questions or suggestions.