

# Her finder du patentedokumenter

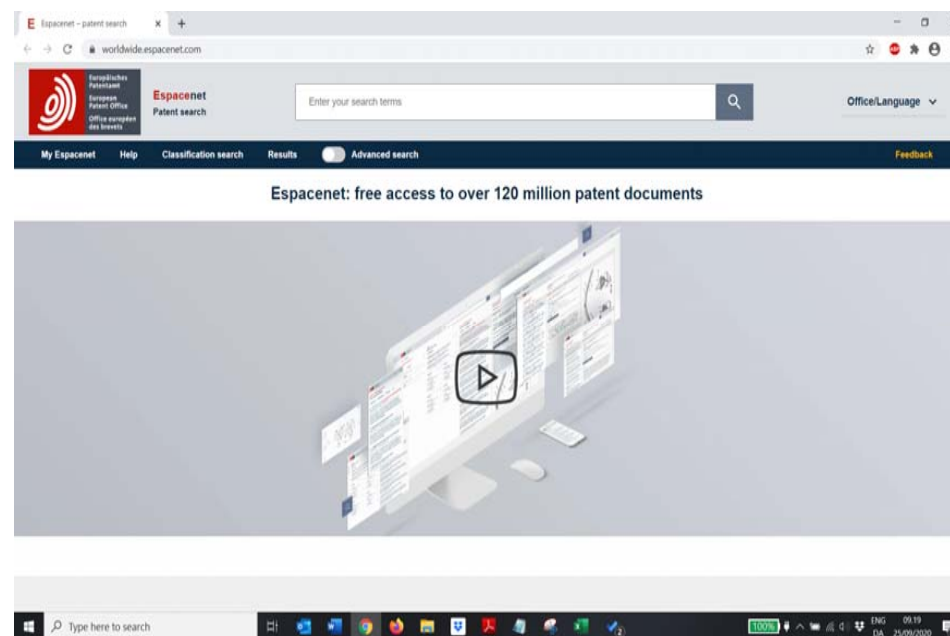
Eksempler på gratis databaser:

- <https://worldwide.espacenet.com/>  
(EPO: Det Europæiske Patentkontor)
- <https://portal.uspto.gov/pair/PublicPair>  
(USPTO: Det amerikanske Patentkontor)
- <https://patentscope.wipo.int/search/en/search.jsf>  
(WIPO : World Intellectual Property Organization)
- <https://www.dkpto.dk/soeg-i-patenter-og-varemaerker>  
(DKPTO: Patent- og Varemærketyrelsen)

# Espacenet

Følg det øverste link på forrige slide

- Ved at følge det øverste link til espacenet fremkommer skærbilledet der ses til højre.
- Via espacenet kan der søges på nøgleord, patent-, publikations- og ansøgningsnumre.
- I søgefeltet midtfor skrives de ønskede søgeord på engelsk eller patentdokumentets nummer.



# Espacenet: søgning nummer

- Til højre er en Europæisk Patent (EP) ansøgning fundet ved at søge på patentdokumentets publikationsnummer.
- De forskellige dele af patentansøgningen fx. krav kan findes ved at trykke på den ønskede fane øverst i billedet markeret med rødt.
- Patentfamilien, samt status for ansøgningen findes ligeledes her.
- Originaldokumentet kan hentes ved at trykke på de 3 prikker øverst i højre hjørne markeret med grønt og vælge "download".

The screenshot displays the Espacenet patent search results for EP362181A1. The patent title is "LASER DEVICE FOR TREATMENT OF WOUNDS". The applicant is VALCUR MEDTECH APS [DK] and the inventor is BEREKLM JANUS [DK]. The patent is classified under IPC class A61B5/06 and CPC class A61L20/00. The abstract describes a laser device for treating wounds. A technical drawing (Fig. 1) is shown on the right, illustrating a laser device with a handle (102), a laser head (104), and a laser beam (106) directed at a wound (107). The drawing also shows a cross-section of the wound (108) and the laser beam (110) entering the wound, with a laser source (111) and a laser beam (112) entering the wound.

# Espacenet: søgeord

- Vigtigt at være så specifik som muligt, da mængden af søgeresultater ellers let bliver enorm.
- De gængse kommandoer som fx. “AND”, “OR” og “NOT” kan anvendes til at kombinere søgeord. Skrives der intet mellem søgeordene antages der at stå “AND”.

# Espacenet: søgeord

- Her er søgt på “laser device treatment wounds” hvilket giver 11206 søgeresultater.
- Yderligere detaljer som fx. opfinder, ansøger eller flere søgeord kan anvendes til at afgrænse resultatet.
- Her kan det ønskede søgeresultat nr. 6 vælges på listen.
- Hvis flere søgeresultater er interessante kan de markeres i feltet foran deres nummer på listen. Her er 4, 5 og 6 markeret.
- Ved at trykke på menuen (de 3 lodrette prikker markeret med grønt) kan de udvalgte dokumenter printes eller downloades på en overskuelig liste.

Worldwide.espacenet.com/patent/search?q=laser%20device%20treatment%20wounds

laser device treatment wounds

Office/Language

My Espacenet Help Classification search Results Advanced search Filters Popup tips Feedback

Home > Results > CN108421171A

11 206 results found

List view List content Sort by

Text only All Relevance

(4 patents selected) Select the first 20 results

3. METHOD AND DEVICE FOR IMPROV...  
US2015029307A1 • 2015-01-29 • HARALAB...  
Earliest priority: 2010-06-09 • Earliest publica...  
...A method and device are disclosed for treating ulcers based on the photobiostimulation effect to reduce inflammation and enhance microvascular

4. LASER TREATMENT OF WOUNDS  
WO2018106751A1 • 2018-06-14 • SCITON I...  
Earliest priority: 2016-12-07 • Earliest publica...  
... a wound, such as a chronic wound, by performing a full field laser ablation in a wound bed of the wound and subsequently performing a fractional laser

5. Therapeutic apparatus based on ammo...  
CN108421171A • 2018-08-21 • JIANGSU YID...  
Earliest priority: 2018-03-16 • Earliest publica...  
...The invention discloses a therapeutic apparatus based on an ammonia and neon laser treatment system. The therapeutic apparatus comprises a data

6. LASER DEVICE FOR TREATMENT OF ...  
WO2018206066A1 • 2018-11-15 • VULCUR ...  
Earliest priority: 2017-05-08 • Earliest publica...  
...The present invention relates to a device and a method for treatment or disinfection of a volume comprising bacteria in the vicinity of cells, such as a

# Patentansøgning eller udstedt patent?

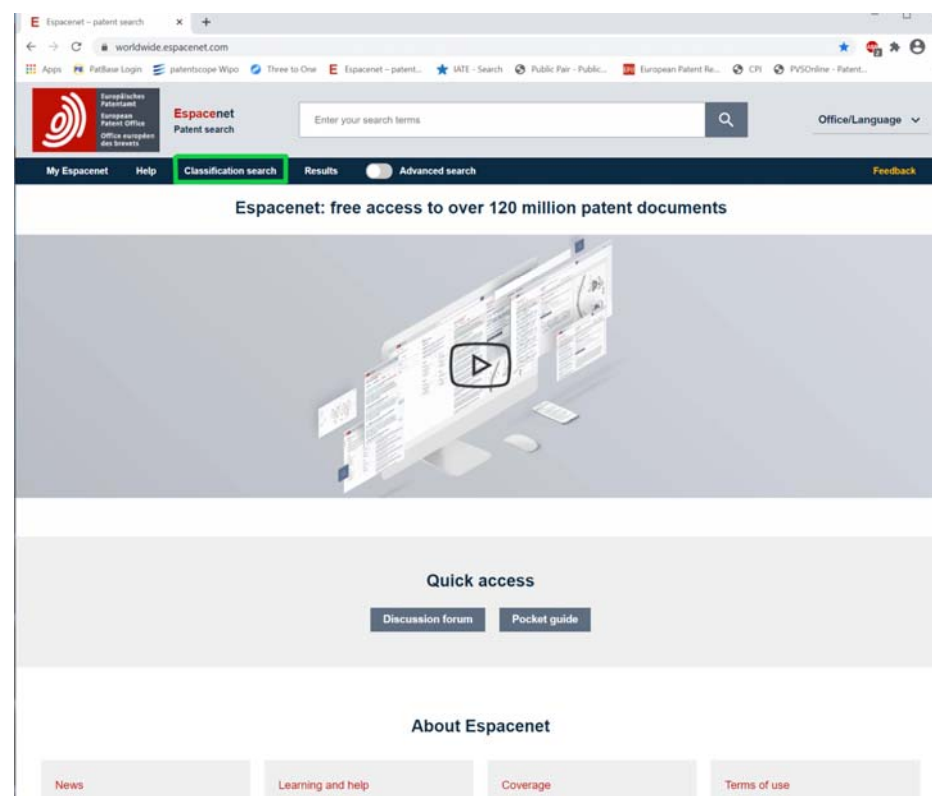
- Ved vurdering af de fundne patentdokumenter anbefales det at være opmærksom på, hvorvidt det drejer sig om patentansøgninger eller udstedte patenter.
- Ikke alle patentansøgninger bliver til udstedte patenter.
- En ansøgning kan have meget bredt formulerede krav, hvor de i det udstedte patent bliver mere snævre.
- Derfor anbefales det at følge relevante patentansøgninger indtil eventuel udstedelse.

# Klasser ved patentsøgninger

- Det tekniske indhold af patentdokumenter er klassificeret efter forskellige klassifikationssystemer:
  - - IPC (International Patent Classification)
  - - CPC (Cooperative Patent Classification)
  - - UC (US Patent Classification)
  - - LC Classification (Locarno classification –WIPO)
  - M. fl.
- Klasserne kan anvendes til at afgrænse en søgning.

# Espacenet: Søgning klasse

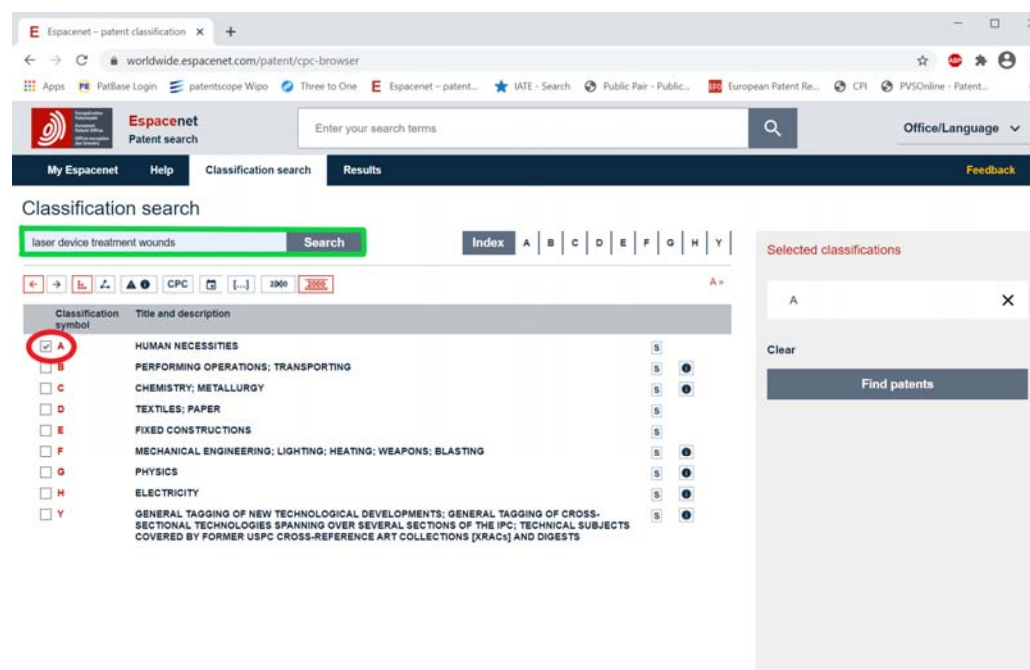
- Klasser kan anvendes ved søgning, selvom man ikke kender koden for den ønskede klasse. Espacenet skriver kategorier/fagområder udover de forskellige klassekoder.
- Vælg “Classification search” som markeret med grønt på billedet til højre.





# Espacenet: søgning klasse

- Her vælges den klasse som bedst beskriver det ønskede fagområde, her “A Human Necessities” som markeret med rødt.
- De tidligere anvendte søgeord “laser device treatment wounds” skrives i søgefeltet markeret med grønt.
- Tryk på “Search”.



The screenshot shows the Espacenet patent classification search interface. The search term "laser device treatment wounds" is entered in the search bar. The classification "A" is selected and highlighted with a red circle. The search results show a list of classification categories with their titles and descriptions.

Classification symbol	Title and description	
<input checked="" type="checkbox"/> A	HUMAN NECESSITIES	S
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	S
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	S
<input type="checkbox"/> D	TEXTILES; PAPER	S
<input type="checkbox"/> E	FIXED CONSTRUCTIONS	S
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING	S
<input type="checkbox"/> G	PHYSICS	S
<input type="checkbox"/> H	ELECTRICITY	S
<input type="checkbox"/> Y	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS	S

# Espacenet: søgning klasse

- Klassen “A61N 5/00 Radiation therapy” markeret med rødt vælges.
- Tryk herefter på underklassen A61N 7/00 (ultrasound therapy) markeret med grønt.

The screenshot shows the Espacenet patent classification search interface. The search term "laser device treatment wounds" is entered in the search bar. The results list shows the following classification symbols and descriptions:

Classification symbol	Title and description
<input checked="" type="checkbox"/> A61N 5/00	Radiation therapy (ultrasound therapy <b>A61N 7/00</b> ; devices or apparatus applicable to both therapy and diagnosis <b>A61B 6/00</b> )
<input type="checkbox"/> A61L 2202/00	Aspects relating to methods or apparatus for disinfecting or sterilising materials or objects
<input type="checkbox"/> A61L 2/00	Methods or apparatus for disinfecting or sterilising materials or objects other than foodstuffs or contact lenses; Accessories therefor (for contact lenses <b>A61L 12/00</b> ; atomisers for disinfecting agents <b>A61M</b> ; sterilisation of packages or package contents in association with packaging <b>B65B 55/00</b> ; treatment of water, waste water, sewage or sludge <b>C02F</b> ; disinfecting paper <b>D21H 21/36</b> ; disinfecting devices for water closets <b>E03D</b> ; articles having provision for disinfection, <b>see</b> the relevant subclasses for these articles, e.g. <b>H04R 1/12</b> )
<input type="checkbox"/> A61B 18/00	Surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body (eye surgery <b>A61F 9/007</b> ; ear surgery <b>A61F 11/00</b> )
<input type="checkbox"/> A61B 34/00	Computer-aided surgery; Manipulators or robots specially adapted for use in surgery
<input type="checkbox"/> A61H 2201/00	Characteristics of apparatus not provided for in the preceding codes
<input type="checkbox"/> A61L 27/00	Materials for (grafts or) prostheses or for coating (grafts or) prostheses (dental prostheses <b>A61C 13/00</b> ; shape or structure of prostheses <b>A61F 2/00</b> ; use of preparations for artificial teeth <b>A61K 6/00</b> ; artificial kidneys <b>A61M 1/14</b> )
<input type="checkbox"/> A61L 29/00	Materials for catheters, (medical tubing, cannulae, or endoscopes) or for coating catheters (shape or structure of catheters <b>A61M 25/00</b> )

The sidebar on the right shows the selected classifications: A and A61N5/00/low. A "Find patents" button is visible at the bottom of the sidebar.

# Espacenet: søgning klasse

- Vælg “A61N 2007/0017 •• {Wound healing}”
- Tryk på “Find patents” markeret med grønt.

The screenshot shows the Espacenet patent search interface. The search term is "laser device treatment wounds". The results are displayed under the classification "MEDICAL OR VETERINARY SCIENCE; HYGIENE". The following table shows the search results:

Classification symbol	Title and description
<input checked="" type="checkbox"/> A	HUMAN NECESSITIES
<input checked="" type="checkbox"/> A61	MEDICAL OR VETERINARY SCIENCE; HYGIENE
<input checked="" type="checkbox"/> A61N	ELECTRO THERAPY; MAGNETO THERAPY; RADIATION THERAPY; ULTRASOUND THERAPY (measurement of bioelectric currents; A61B; surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body; A61B 18/00; anaesthetic apparatus in general; A61M; incandescent lamps; H51K; infra-red radiators for heating; H55B)
<input checked="" type="checkbox"/> A61N 7/00	Ultrasound therapy (with/oly; A61B 17/32; A61B 17/325; massage using supersonic vibration; A61M 23/06; using ultrasound for introducing media into the body; A61M 37/0022)
<input type="checkbox"/> A61N 2007/0000	• (Applications of ultrasound therapy)
<input type="checkbox"/> A61N 2007/0001	•• (Destruction of fat cells)
<input type="checkbox"/> A61N 2007/0011	••• (Stimulation)
<input checked="" type="checkbox"/> A61N 2007/0017	•••• (Wound healing)
<input type="checkbox"/> A61N 2007/0018	••••• (Ultrasound treatment)
<input type="checkbox"/> A61N 2007/0020	••••• (Stimulation of nerve tissue)
<input type="checkbox"/> A61N 2007/0021	••••• (Destruction of nerve tissue)
<input type="checkbox"/> A61N 2007/0024	••• (Skin treatment)
<input type="checkbox"/> A61N 2007/0025	•• (Using microbubbles)
<input type="checkbox"/> A61N 2007/0043	• (Intra-cavitary)
<input type="checkbox"/> A61N 2007/0044	• (Interstitial)
<input type="checkbox"/> A61N 2007/0053	• (Using the same transducer for therapy and imaging)
<input type="checkbox"/> A61N 2007/0056	• (Beam shaping elements)
<input type="checkbox"/> A61N 2007/0058	•• (Lenses)
<input type="checkbox"/> A61N 2007/0059	•• (Concave transducers)
<input type="checkbox"/> A61N 2007/0060	•• (Reflectors)
<input type="checkbox"/> A61N 2007/0072	••• (Using multiple frequencies)
<input type="checkbox"/> A61N 2007/0074	••• (With multiple treatment transducers)
<input type="checkbox"/> A61N 2007/0075	••• (Scanning transducers)
<input type="checkbox"/> A61N 2007/0076	••• (Beam steering)
<input type="checkbox"/> A61N 2007/0081	•••• (With moving parts, e.g. transducers, lenses, reflectors)
<input type="checkbox"/> A61N 2007/0085	••••• (By modifying an excitation signal)
<input type="checkbox"/> A61N 7/02	• Localised ultrasound hyperthermia (hyperthermia in general; A61F 7/03)
<input type="checkbox"/> A61N 7/022	•• (Intracavitary)
<input type="checkbox"/> A61N 2007/0325	••• (Interstitial)
<input type="checkbox"/> A61N 2007/0327	•••• (With multiple foci created simultaneously)

The "Selected classifications" panel on the right shows the following selected classifications:

- A
- A61N5/00/low
- A61N2007/0017/low

The "Find patents" button is circled in green.

# Espacenet: søgning klasse

- Koderne for de valgte klasser er nu flyttet op i søgefeltet markeret med grønt.
- Søgeordene “laser device treatment wounds” tilføjes i søgefeltet som vist. Tryk på forstørrelsesglasset
- Det søgte dokument dukker op som nr. 9.

8 580 results found

0 patents selected. Select the first 40 results

5. METHOD AND DEVICE FOR IMPROVED ULCER TREATMENT  
 WO201130620A2 (A3) • 2011-10-20 • CERAMOPTEC IND INC [US]  
 Earliest priority: 2010-04-16 • Earliest publication: 2011-10-20  
 ...A method and device are disclosed for treating ulcers based on the photobiostimulation effect to reduce inflammation, and, enhance microvascular activity accelerating the wound healing process, in a preferred embodiment, a diode laser source emits 1470 nm...

6. Therapeutic apparatus based on ammonia and neon laser treatment system  
 CN108421171A • 2018-08-21 • JIANGSU YIDU MEDICAL TECH CO LTD  
 Earliest priority: 2018-03-16 • Earliest publication: 2018-08-21  
 ...The invention discloses a therapeutic apparatus based on an ammonia and neon laser treatment system. The therapeutic apparatus comprises a data display window, a touch window, a device controller power switch, a therapeutic apparatus main switch and a...

7. Device for curing wound out  
 CN101569781A • 2009-11-04 • GUANGQUAN YAO [CN]  
 Earliest priority: 2008-04-30 • Earliest publication: 2009-11-04  
 ...The invention discloses a device for curing a wound out, which comprises a laser generator. The device is characterized by also comprising an ozone generator and a controller; the ozone output of the ozone generator and the laser output of...

8. Laser Assisted Wound Healing Protocol and System  
 US2020188686A1 • 2020-06-18 • BIOREGENTECH LLC [US]  
 Earliest priority: 2016-11-10 • Earliest publication: 2020-06-18  
 The present invention provides for devices and methods of treating wounds, including general wounds, gum disease and gingival tissues post scaling/root planning, using a diode laser which generates a beam of light having a wavelength in the visible portion...

9. LASER DEVICE FOR TREATMENT OF WOUNDS  
 WO2018206066A1 • 2018-11-15 • VULCUR MEDTECH APS [DK]  
 Earliest priority: 2017-05-08 • Earliest publication: 2018-11-15  
 ...The present invention relates to a device and a method for treatment or disinfection of a volume comprising bacteria in the vicinity of cells, such as a laser device and the use of the laser device for the treatment of wounds. In particular, it relates to the treatment of...

Tak til Janus Beierholm og Vulcur Medtech ApS for at lade os anvende deres patentansøgning til denne søgedemonstration.