



 **Publikationer**

Søg i Globale Data

Søg i Lokale Data

Søg i Åbne Data - På vej

 **Patenter & Innovation**

Søg Patentfamilier - Prototype

 **Bevillinger & Fonde**

Danske Fondes Data - Prototype



Patenter
Marija Rakas

 **Mere Information**

Om Forskningsportalen

Om Data & Dokumentation

FORAN - Forskningsanalytisk Netværk



Patent Basics



What is a **patent**?

- Legal document that provides *exclusive right* for an invention.
- Measurable outcome of inventive activity and innovation.
- Important source of information for analysis of technology trends, and R&D activities.
- Can be used at regional, country, organisation and individual level.



Patent Database Prototype Basics

What is the **source** and **scope** of patent data in the Research Portal?

- **Source**

- Digital Science patent data

- **Scope**

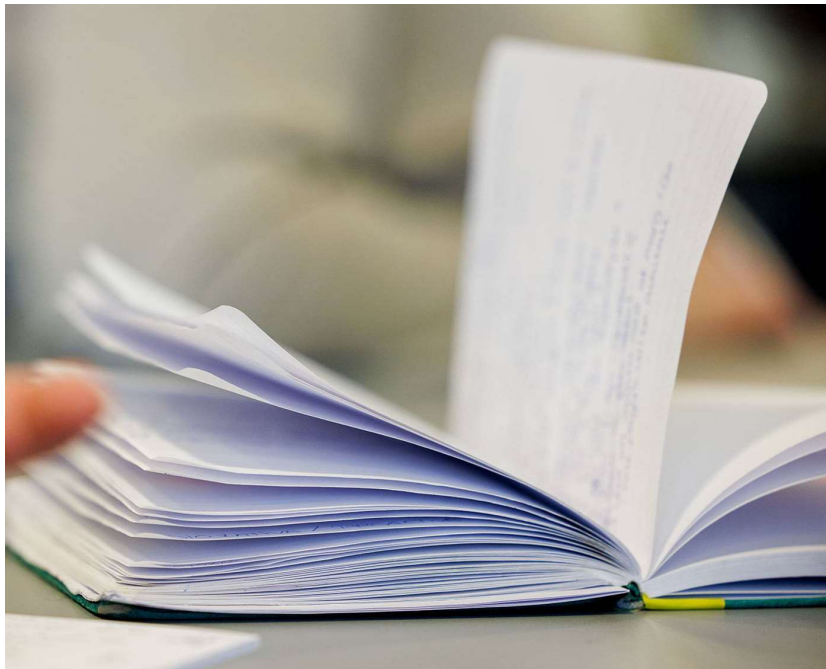
- Publication Year 2011 onwards
- Patent Applicant Country = DK





Patent Database Basics



What **kind of information** is available ?



- Danish Patent Applicants
- Inventors names
- Funders names
- National collaboration
- R&D classification (e.g. OECD FORD)
- Patent classification (e.g. IPCR, CPC)
- And much more!

Analysis of patent data

Explore inventions of a specific Danish research org.

 **Research Portal Denmark**  Patents - Global Data - Dimensions

Search mode: **Simple** Basic Expert ? ✉

GENERAL
+ Years

PERSONS
+ Inventors

ORGANISATIONS
Danish Applicants Apply

Unfold, select, and then click Apply

Applied Selections

DTU Technical Universi...
Optional Selections

All Danish Applicants 28,328
+ Universities 1,713
+ Hospitals 301
+ Governmental Institutions 65
+ Non-Profit Organisations 3
+ GTS Institutes 163
+ Private Research 25,330
+ Miscellaneous 2,640

+ No. of Applicants
+ National Collaboration
+ Global Collaboration

Entire database: 40,654 Patent families ⓘ

Applied filters: Danish Applicants=(DTU Technical University of Denmark) ✕

Combined results: 855 Patent families Save Query Clear Query Export Results Sort by Year ↓

SEMICONDUCTOR RADIATION SENSOR DEVICE AND METHOD OF TRAINING AN ARTIFICIAL NEURAL NETWORK FOR SIGNAL PROCESSING
Technical University of Denmark Kuvvetli, Irfan
Earliest Publication Year: 2024, Application, WO-2024002962-A1



DISINFECTION SYSTEM FOR PATIENTS
Technical University of Denmark Ou, Yi Yu, Petersen, Paul Michael
Earliest Publication Year: 2024, Application, WO-2024012961-A1

PRODUCTION OF THE RADIONUCLIDE LANTHANUM-135
Technical University of Denmark Jensen, Mikael, Pedersen, Kristina Søborg, Deville, Claire, (...)
Earliest Publication Year: 2024, Application, WO-2024003344-A1

Patent family – a collection of related patent applications that cover one invention

Explore links between science and industry


Analysis of patent data

 **Research Portal Denmark** 

← Back to Search Results 1 of 855 ▶

Application
SEMICONDUCTOR RADIATION SENSOR DEVICE AND METHOD OF TRAINING AN ARTIFICIAL NEURAL NETWORK FOR SIGNAL PROCESSING

Patent Number [WO-2024002962-A1](#) Priority Year 2022
Publication Year 2024 Jurisdiction WO
Application Year 2023 Status N/A

Inventors
Kuvvetli, Irfan  0000-0001-8749-4274

Applicants
Technical University of Denmark
[NORA names: DTU Technical University of Denmark; University; Denmark; Europe, EU; Nordic; OECD]

Abstract
The present disclosure relates to a semiconductor radiation sensor device for characterizing X-ray and/or gamma-ray radiation comprising: a converter comprising a plurality of physically spaced semiconductor sensors configured to convert incident X-ray and/or gamma-ray photons into electron-hole pairs; an electric field generator configured to apply an electric field to the plurality of physically spaced semiconductor sensors, thereby creating signals representative of a movement of charge carriers in the physically spaced semiconductor sensors; a readout circuitry being configured to read out the signals from said plurality of semiconductor sensors; and a processing unit connected to said readout circuitry, said processing unit being configured to estimate an interaction time and a three-dimensional interaction position of an event in said converter by processing the signals read out from the plurality of semiconductor sensors, wherein the processing unit comprises an artificia (... more)

Patent Family Records (1) ⓘ
SEMICONDUCTOR RADIATION SENSOR DEVICE AND METHOD OF TRAINING AN ARTIFICIAL NEURAL NETWORK FOR SIGNAL PROCESSING
Technical University of Denmark, UNIV DANMARKS TEKNISKE Kuvvetli, Irfan
2024, **WO-2024002962-A1**

Data Provider: Digital Science

- LINKS
Data Provider

+ SUBJECTS


+ PATENT CATEGORIES

- METRICS
Citation Metrics
Times Cited in Patents: 0
References to Patents: 5
References to Publications: 1

Patent related METRICS

Explore links between science and industry

Analysis of patent data

**Research Portal Denmark**

Search mode: **Simple** Basic Expert

Example: wind turbine

Entire database: 40,654 Patent families ⓘ

Applied filters: Danish Applicants=(DTU Technical University of Denmark)

Combined results: 855 Patent families

DISINFECTION SYSTEM FOR PATIENTS
Technical University of Denmark Ou, Yi Yu, Petersen, Paul Michael
Earliest Publication Year: 2024, Application, **WO-2024012961-A1**

ANTIBODIES AGAINST SNAKE TOXINS CAUSING MUSCLE AND/OR TISSUE DAMAGE
Technical University of Denmark; University of Costa Rica Laustsen-Kiel, Andreas, Sørensen, Christoffer Vinther, Lomonte, Bruno, (...**more**)
Earliest Publication Year: 2024, Application, **EP-4302836-A1**

ULTRASOUND IMAGING APPARATUS
Technical University of Denmark THURMANN JØRGENSEN LASSE, ARENDT JENSEN JØRGEN, Stuart, Matthias Bo
Earliest Publication Year: 2024, Application, **WO-2024003033-A1**

National Collaboration

- GENERAL**
 - + Years
- PERSONS**
 - + Inventors
- ORGANISATIONS**
 - Danish Applicants
 - Unfold, select, and then click
 - Applied Selections
 - DTU Technical University of D...
 - Optional Selections
 - All Danish Applicants 28,328
 - + Universities 1,713
 - + Hospitals 301
 - + Governmental Institutions 65
 - + Non-Profit Organisations 3
 - + GTS Institutes 163
 - + Private Research 25,330
 - + Miscellaneous 2,640
 - + No. of Applicants
 - National Collaboration
 - Select one or more and click
 - KU University of Copenhagen 27
 - Other Companies 20
 - Capital Region of Denmark 17
 - Miscellaneous 10
 - Individual 4
 - Topsoe 4

Explore inventions in “green” technology areas

Analysis of patent data

The screenshot displays the Research Portal Denmark interface. On the left, a sidebar contains navigation menus for GENERAL, PERSONS, ORGANISATIONS, SUBJECTS, and PATENT DETAILS. The main content area shows a search filter for 'Sustainable Technologies' with a list of sub-categories and their counts. A purple box highlights the 'Sustainable Technologies' filter and its sub-categories. A purple callout box on the right contains the text 'EPO's sustainable technologies scheme'. Below the filter, a list of patent results is visible, including 'Hydraulic steering device' by Sauer Danfoss ApS and ANDERSEN, RENE.

Research Portal Denmark

Search mode: **Simple** Basic Expert

- GENERAL
 - + Years
- PERSONS
 - + Inventors
- ORGANISATIONS
 - + Danish Applicants
 - + No. of Applicants
 - + Global Collaboration
 - + Funders
- SUBJECTS
 - + DK Main Research Areas
 - + OECD Classification
 - + AU/NZ FOR Classification
- PATENT DETAILS
 - + Publication Types
 - + Status
 - + Granted Years
 - + Application Years
 - + Earliest Publication Year
 - + Priority Years
 - + Jurisdictions
 - + IPCR
 - + CPC
 - Sustainable Technologies
 - Unfold, select, and then click **Apply**
 - All Sustainable Technologies 8,067

Sustainable Technologies
Unfold, select, and then click **Apply**

- All Sustainable Technologies 8,067
- Y02 Technologies or applications for mitigation or adaptation against climate change
 - All Y02 Technologies... 8,042
 - Y02E Reduction of gr... 5,920
 - Y02P Climate chang... 1,958
 - Y02A Technologies f... 666
 - Y02B Climate chang... 617
 - Y02T Climate change... 405
 - Y02W Climate chang... 190
 - Y02C Capture, storag... 58
 - Y02D Climate chang... 46
- + Y04 Information or communication technologies having an impact on other technology areas

EPO's sustainable technologies scheme

NGER, LAURSEN SIMON LYKKE ROEST, JENSEN SANNE SKOV
08514-A1

JUN, (...more)
5727-A

AND METHOD OF TRAINING AN ARTIFICIAL NEURAL NETWORK FOR
02962-A1

IN INFLATABLE CUFF
EK DENNIS SCHMIDT, HANSEN ADAM SØHOLM, (...more)
02973-A1

LANGA, YU NAN
8-A1

Hydraulic steering device
Sauer Danfoss ApS ANDERSEN, RENE