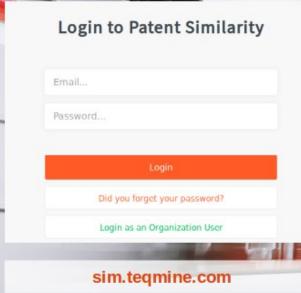


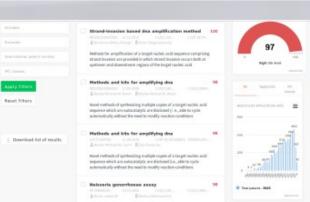






Al FOR EASY PATENT SEARCH Is your idea already patented?





- Go to sim.teqmine.com
- Select
 "organization user"
- Enter your work email and password
- Enter search text
- Browse results identified by Al

PATENT SIMILARITY

is an Artificial Intelligence trained with over 16 million full-text patents, and it learns more by reading 100 000 new patents monthly.

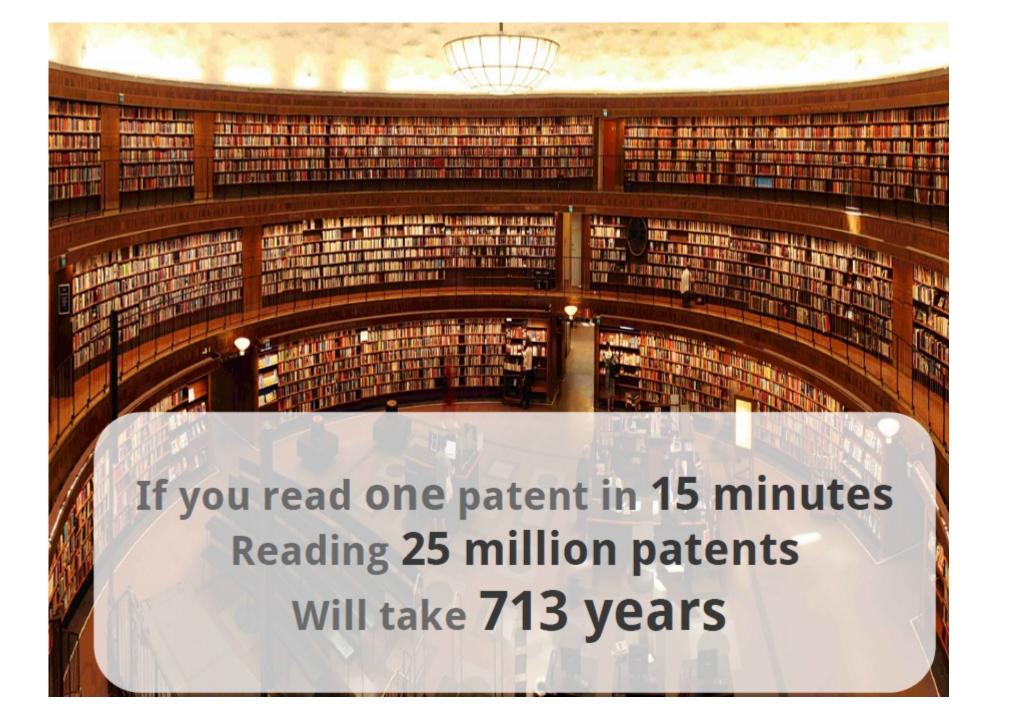
EASY SEARCH

Our search box accepts up to 10 million characters! Input a whole patent, article, copy paste an interesting web-page, or write your idea.

EXPLORE EASILY

Found an interesting patent? Click "Find Similar", and you find more like it.

TECMINE



TECMINE Artificial Intelligence reads 16 million patents in 1 second



What you want:

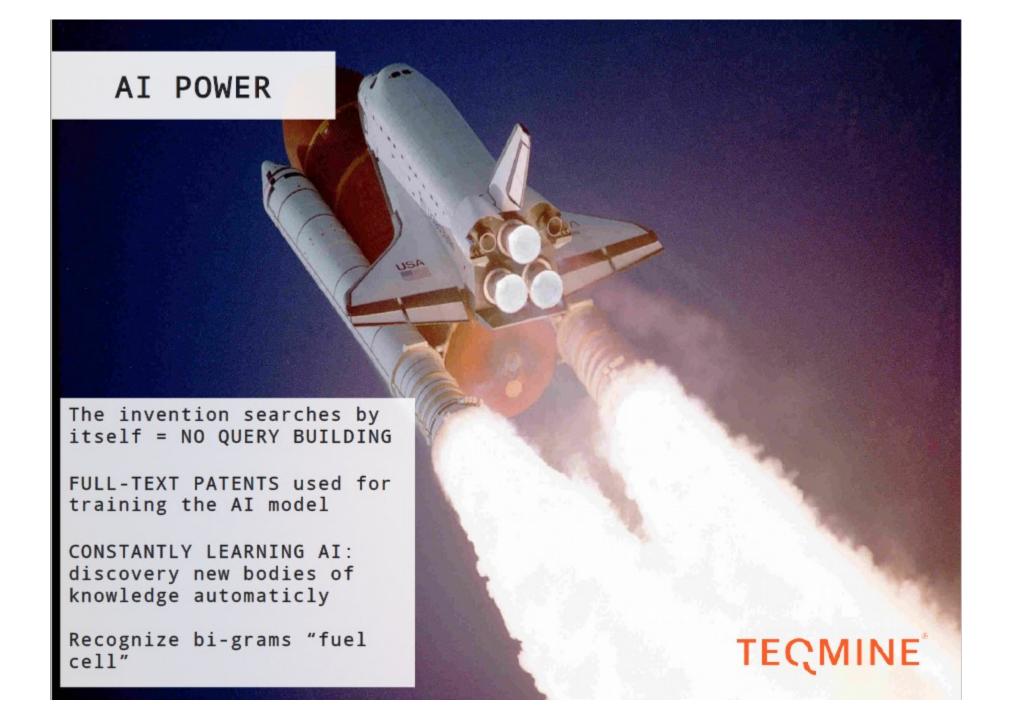
- 1) Improve the capacity of faculty and students to commercialize research.
- 2) Enhance funding applications by demonstrating to funders & firms the *industrial relevance* of university research.
- 3) Improve the university invention process and make it easy for people to invent.
- 4) Increase the work-life skills of faculty and students to evaluate ideas, inventions and technologies.



Central User Cases

- 1) A post-doc researcher wants to analyze if an idea based on her research is an invention that can be patented, and good enough to start a business. (entrepreneurship)
- 2) A professor wants to demonstrate in a funding application that her/his research has demand in the industry. (funding)
- 3) A graduate student wants to find out what companies are in interested in her/his scientific and technology skills. (recruitment)
- 4) A lecturer teaches to students how to evaluate the value of technological ideas and inventions. (work-life skills)





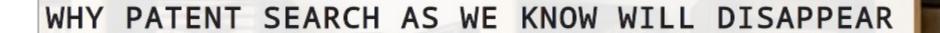
AI MODEL TRAINED WITH FULL-TEXT PATENTS

ONLY WAY to evaluate the complete background, inventive steps and embodiment of a patent

Abstracts are poor for training accurate AI models

And other fields even worse



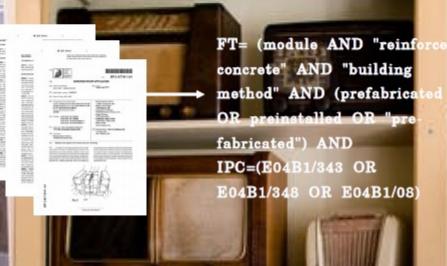


Truncate complexity into key-word search

Blur important details and information

Human assumption what could be similar

= A LOT OF WORK = QUERY BUILDING







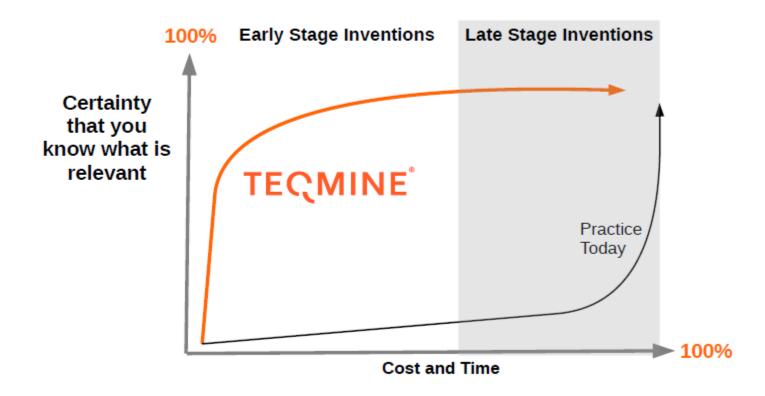
Why to apply for a patent? What does it cost=

- Need to start a business?
 A patent <u>may help to convince</u> investors about the quality of your technology
- Protect your technology and business...
- Very different game for a researcher / startup than for established company!
- File a patent with the help of a patent attorney <u>starts</u> from about €3000-5000...
 ...to get it granted, you pay easily 2-5 times that
- Your and team time significant cost also!

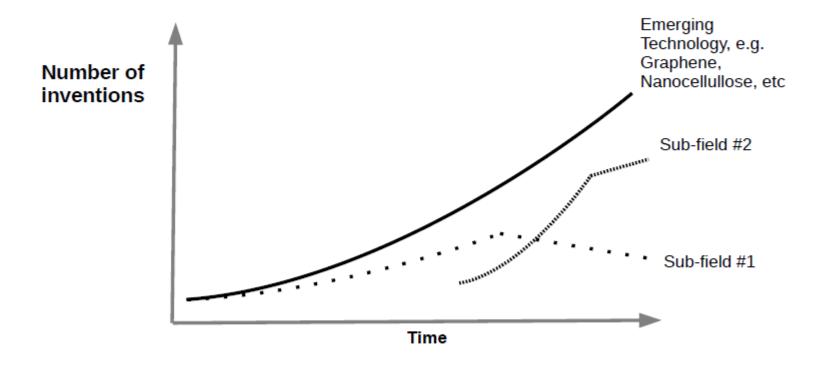




IMPROVE INNOVATION



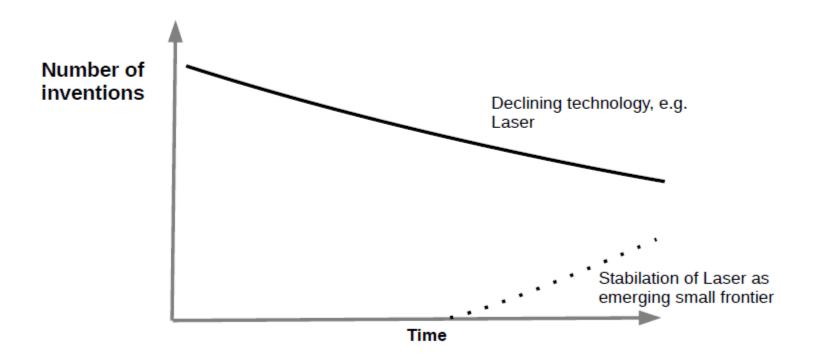
EVALUATING INVENTIONS



Placing inventions at the right place at the emerging frontiners of invention



EVALUATING INVENTIONS



Placing inventions at the right place at the emerging frontiners of invention



PATENT SIMILARITY FACT SHEET

- Total of c.a. 16 million full-text patents totalling more than 10 million patent families.
- USPTO granted patents since 1990-, Applications since 2001.
- EPO English language full-text patents since 1978.
- PCT English language full-text patents since 1978.
- Images and original PDF publication when available (available and growing)
- Legal evens, citations, patent family information, and other bibliographic information for 110 million patents published, retrieved via EPO DOCDB and INPADOC databases. (estimated12/2018)
- Official corrections and amendments issued by the EPO databases.
- DATA
 - USPTO 1990-
 - EPO/PCT 1978-
- Monthly updates



SECURITY AND PRIVACY

*Whole service delivered from servers owned and administered by TEQMINE.

Daily back-up

-Whole service SSL-protected, and now Internet data traffic that would bypass the certificate.

*Servers w/firewalls, 24/7 access control, industrial grade machine room in Finland.

*TEQMINE **does not** track or individual users so that they can be identified.

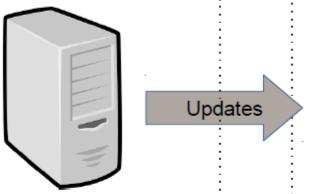
*Only NDA signed and separately authorized personnel has access to servers and client information.

*All use searchers and other user-input is wiped out automaticly, unless user selects otherwise.



TEQMINE PATENT SIMILARITY SERVICE-INFRASTRUCTURE

Development environment



Host the development application accessible by only TEQMINE authorized personnel via VPN.

All updates to the production environment are approved by the COO / CEO before deployment to the production

Continuous back-up

.No.client-data . .

Production environment



Host the public application sim.teqmine.com and accessible by Clients over the Internet.

Backend accessible only by TEQMINE authorized personnel via VPN

Located in a Machine Room in Helsinki with 24/7 access control, power and data back-up

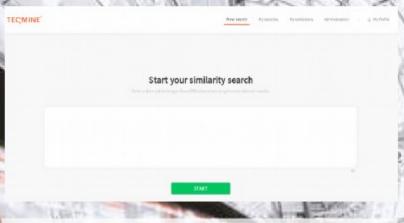
Firewall
Daily Back-Up
Managed and serviced by Zoner IT



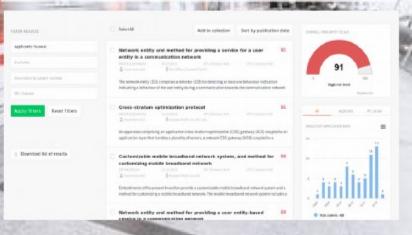
Write your idea or copy-paste full length patent text

Compare to millions of full-text patents

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Visualize
Save and share

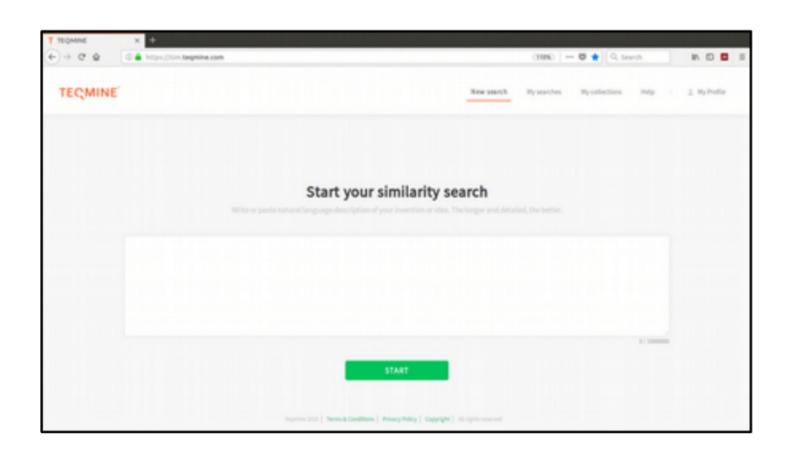


Analyze 25m+ patents in seconds



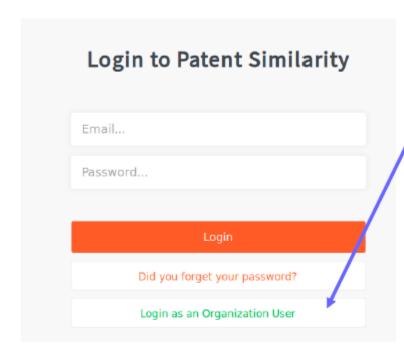
Teqmine

Intuitive AI enabled search and analysis of patents and technology information



- Easy to use search interface
- Zero time to ramp up expertise
- Largest search box in the market (up to 10m characters)
- Secure and private cloud operated by Teqmine
- Campus wide access with Federated Authentication
- Local deployment option with customization

HOW TO ACTIVATE YOUR ENTERPRISE ACCOUNT



- 1) Go to: https://sim.teqmine.com/login
- 2) CHOOSE Login as organizational user
- 3) ENTER your COMPANY email and go
- 4) ENTER COMPANYpassword and go
- 5) You are in the system
- 6) In the future, logins from COMPANY authenticated domains do not require passoword, but outside, e.g. home or travel, will require.

NOTE:

Make sure your browser is up-to-date Supported browsers:

Firefox Mozilla (v50+), Google Chrome, iOS Safari, MS Edge, (Opera)

We do not support MS Internet Explorer as it not anymore supported

Start AI Search!



- Write or copy-paste English text to the Search Box and push "Start"
- AI compares your search text to a repository of over 12m full-text patents, and calculates
 Similarity Index for each one of them.
 - The index measures the similarity of patent text with your search query.
 - If a patent has Similarity of 100, it is identical with your search text.
 - We include the 1000 highest Similarity scores, and estimate Patent Risk and the Growth Rate of your technology.
 - When you monitor patents, only new patents that cross the value of the 2000nd patent in the 1st search are included, allowing the AI to estimate if your technology is growing or declining.
- NOTE: AI identifies Similarity between patents.
 A human needs to identify Relevant patents.

Start AI Search!



- How to do good searches?
 - Best results are returned for long complex texts, such as full-text patent descriptions, Ph.D. dissertations, scientific articles
 - Write clear technical and/or business text
 - Use synonyms: "nanocellulose", "nanofibrillated cellulose", "bacterial cellulose", "microcellulose"
- How long search text can be?
 - Very long, up to the length of several Ph.D. dissertations
- How short search text can be?
 - Very short, only few words is sufficient.
 - Abstract, 100-400 words is already very good for early stage invention evaluation.

AI Search Results

Filter results to identify relevant from the similar ones.

When a filter is applied, all right side analytics are updated.

Download results lists to your own computer.

Monitor this search The present invention relates to a new method for pre-paring microcrystalline orillatore, con step of compaction of the cellulose before degradation of the glucose chains and obtaining oly filers Reset filers providing a source of unrefined cellulose, and dissolving the unrefined cellulose in a mois Download Int of results The present invention relates to new methods for producing cellulose with high cryst historiesis and to sover reliabely insterials produced by those methods which exhibits with Methods for production of collulose i involving in vitro synthesis

For full-view of patent document,

Double-click on patent to open full-text view.

Patents are ranked in image.
Similarity order. You
can change this to
newest-latest.

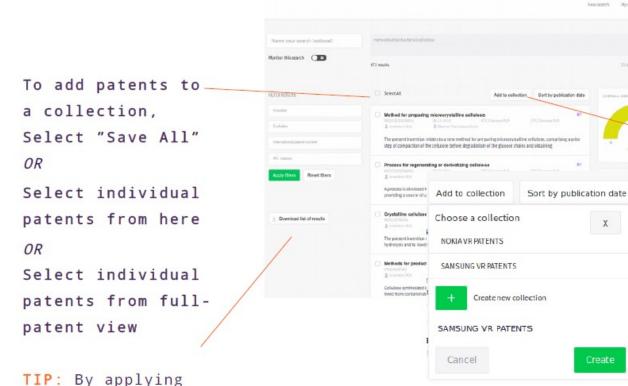
Newsearth Hystorches Hystollections

AI Risk Estimation:
Average of the 100
nearest similarity
scores. Use to
evaluate the density
or activity of your
technology area.

AI estimation of
Patents per year.
Is your technology
emerging, stable or
declining.

You can download the image.

AI Search Results Save relevant patents to MyCollection



MyCollection is a library collection of relevant patents identified by you

Create a new collection from here or from full-patent view

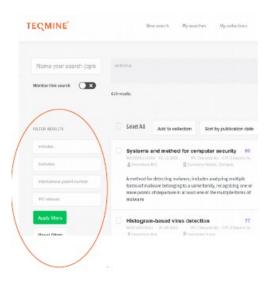
Pop-up window allows you to select the target collection to save, or to create a new collection.

Complete saving by clicking the desired collection

filters, you can save certain type of patents easily to a Collection

TECMINE'

Filtering Effectively



- First filtering box can implement complex Boolean queries or simple smart queries.
- Smart queries run the query across all patent fields, and returns if there is a match anywhere:
 - machine learning health care
 - "machine learning" AND "health care"
- Complex Boolean queries can target specific fields or their combinations.

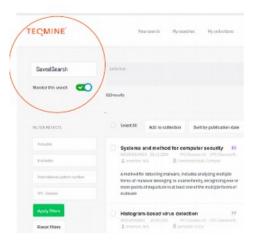
EXAMPLE FILTERS:

- claims: "machine learning" AND description: "health care"
- claims: recommendation AND (description: "machine learning" OR "artificial intelligence" OR "neural network")
- Fields available: title, description, claims, ipc, cpc, applicants, inventor.
- When you apply filters, the analytic charts are updated.



Saving Searches & Monitoring





- You can automate monitoring a specific search by activating "Monitor this search".
 - You can give specific name for saved monitoring,
 and can have up-to 5 monitoring searches saved
 - When new patent data becomes available, the monitored search is updated with new data.
 - If new patents cross threshold monitoring values, they are automaticly included.
 - If you have applied filters, they are also saved.
 - Fast, easy and accurate way to monitor specific patent or technical area, and to maintain MyCollections.
- Monitored Searches can be found at the top of "My Searches" tab.
 - Click on the search, and the results open.

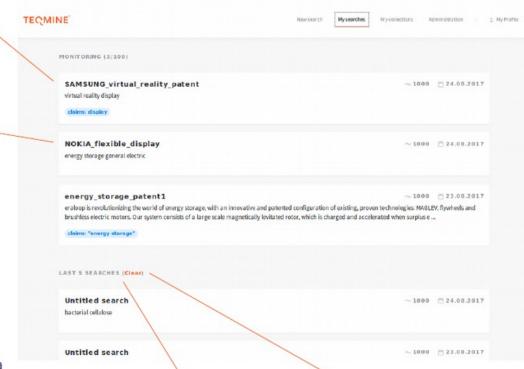


My Searches

You can set a search to be monitored automaticly, as well as set automatic filters...

Monitored Searches are limited to 5 and are listed here. Double click to see old or new results.

To move date from a list to MyCollections, you have to do that from the "Results" page.



Unsaved searches are listed here and can be re-accessed by a click. Search history is limited to 5. After this limit, any new search erases the oldest search.

You can also erase the history immediately from here.

TECMINE'



Virchows Archiv

October 2019, Volume 475, <u>Issue 4</u>, pp 489–497 | <u>Cite as</u>

Machine learning application for prediction of locoregional recurrences in early oral tongue cancer: a Web-based prognostic tool

Authors Authors and affiliations

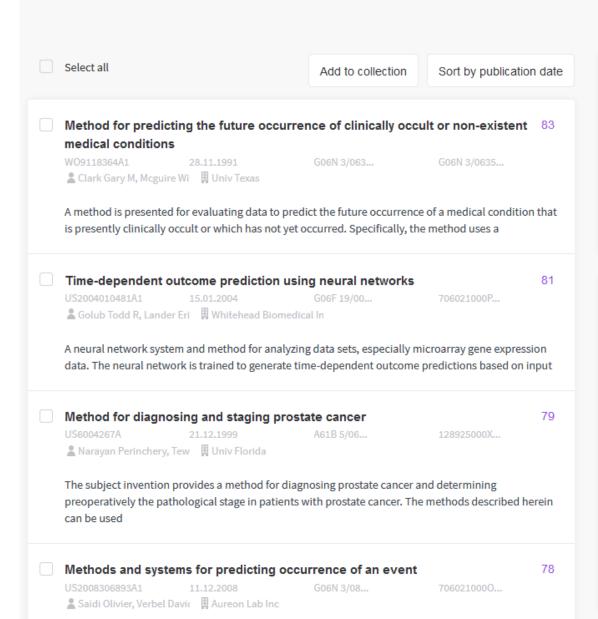
Rasheed Omobolaji Alabi, Mohammed Elmusrati, Iris Sawazaki-Calone, Luiz Paulo Kowalski, Caj Haglund, Ricardo D. Coletta, Antti A. Mäkitie, Tuula Salo, Ilmo Leivo, Alhadi Almangush

Open Access | Original Article First Online: 17 August 2019



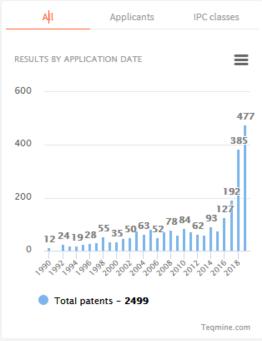
Estimation of risk of recurrence in early-stage oral tongue squamous cell carcinoma (OTSCC) remains a challenge in the field of head and neck oncology. We examined the use of artificial neural networks (ANNs) to predict recurrences in early-stage OTSCC. A Web-based tool available for public use was also developed. A feedforward neural network was trained for prediction of locoregional recurrences in early OTSCC. The trained network was used to evaluate several prognostic parameters (age,

1361 results 26188 characters

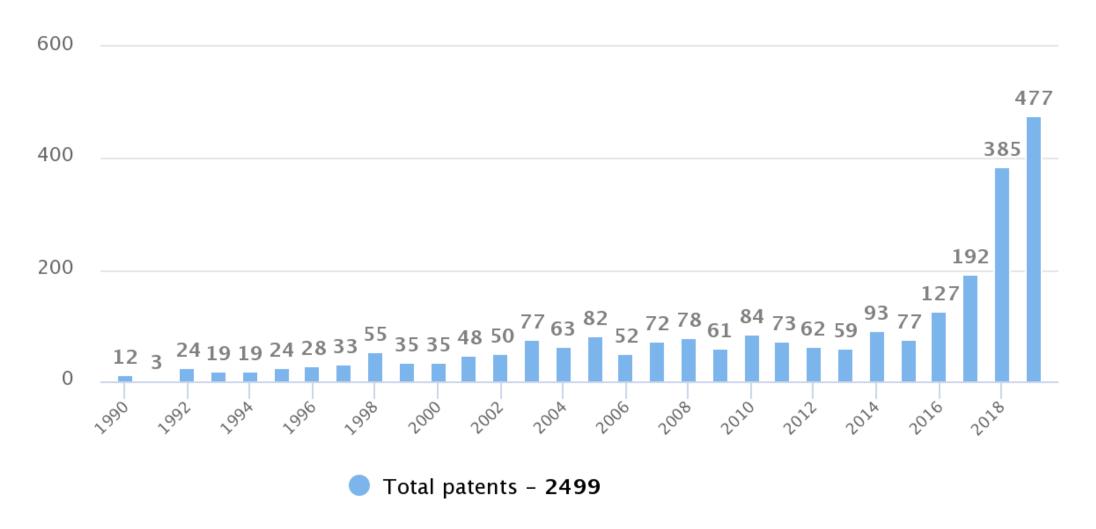




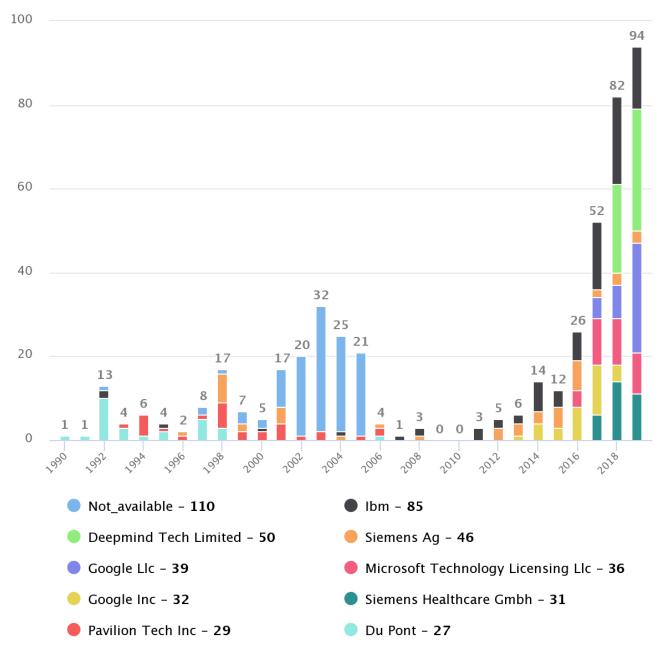
← EDIT TEXT



Results by application date



Results by application date

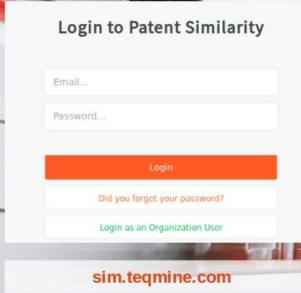


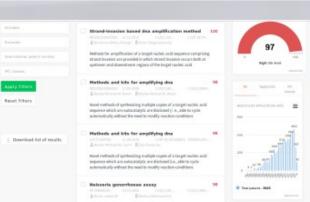
Al @ Library, Al @ Research



 In practice the sleep pants use a small sensor that monitors breathing. The sensor is attached to the pants on the waist, below the navel. The information on breathing movement is transferred via a Bluetooth connection to a smartphone, where the data is unpacked and transferred to be analysed by an artificial intelligence algorithm. The algorithm recognises the deep and light sleep stages and interprets changes in breathing.

Al FOR EASY PATENT SEARCH Is your idea already patented?





- Go to sim.teqmine.com
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