

Google and A.I. Patents

Google came into existence to tackle the challenge of locating meaningful information on the fast-expanding World Wide Web. In 1996 two PhD students from Stanford University named Larry Page and Sergey Brin began a research project during a period of rapid internet expansion when current search engines failed to deliver relevant results. The search engine they created began as "BackRub" before transforming into what we now know as Google¹.

The Vision Behind Google

Larry Page and Sergey Brin sought to build a search engine that emphasized relevant and high-quality search results rather than just matching keywords. Their research indicated that better search results could be achieved through analysis of website relationships.

Key Innovations:

PageRank Algorithm: The creators designed the PageRank algorithm that ranked web pages according to both the quantity and quality of their inbound links. They determined that backlinks from reputable and widely-visited websites held greater significance which showed the value of the content they connected to.

Focus on User Experience: Google set itself apart from other search engines that were full of ads and unnecessary features by focusing on simplicity. Google distinguished itself with a simple homepage design and quick search results.

Founding of Google:

Google became an incorporated company on September 4, 1998 inside a Menlo Park garage located in California.

The search engine named "Google" derives its name from the mathematical concept of "googol" meaning one followed by 100 zeros to represent its goal of organizing massive quantities of information.

Mission:

From the beginning, Google's mission has been: "To organize the world's information and make it universally accessible and useful."

The company aims to structure global information so that everyone can access and use it effectively. Beyond being just a search engine Google now delivers multiple products and services including YouTube, Google Maps, Android, and Google Cloud while maintaining its fundamental mission.

References:

<https://en.wikipedia.org/wiki/Google>

A.I. Patents issued:

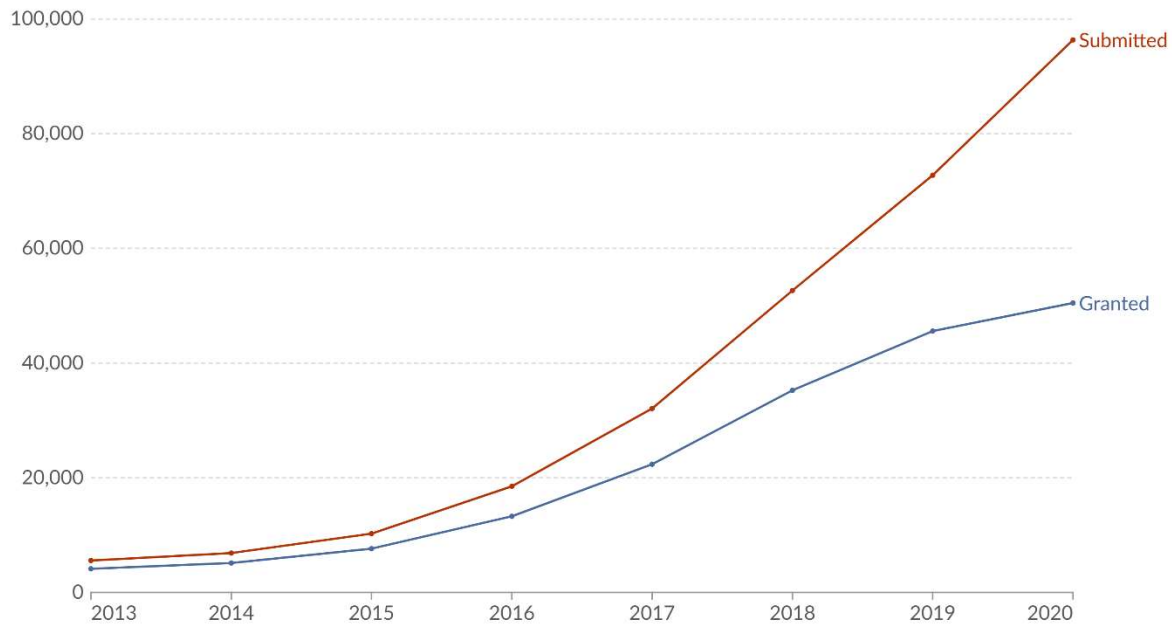
Data source 1:

- [Center for Security and Emerging Technology \(2024\)](#)

Annual patent applications related to AI, by status, World



Patents related to artificial intelligence first submitted in the selected country's patent office. Subsequent granting of that patent could be by any country's patent office.



Data source: Center for Security and Emerging Technology (2024)

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Note: According to calculations by CSET, the median time for a patent to be granted is 826 days from its initial filing date, while the average time is 860 days.

Data source 2:

- <https://www.eeworldonline.com/the-companies-with-the-most-ai-patents/>

The Companies With the Most AI Patents

Companies with the most artificial intelligence-related patents*

