



Startup Watch

Weaviate weaves a generative search module! — Take Action

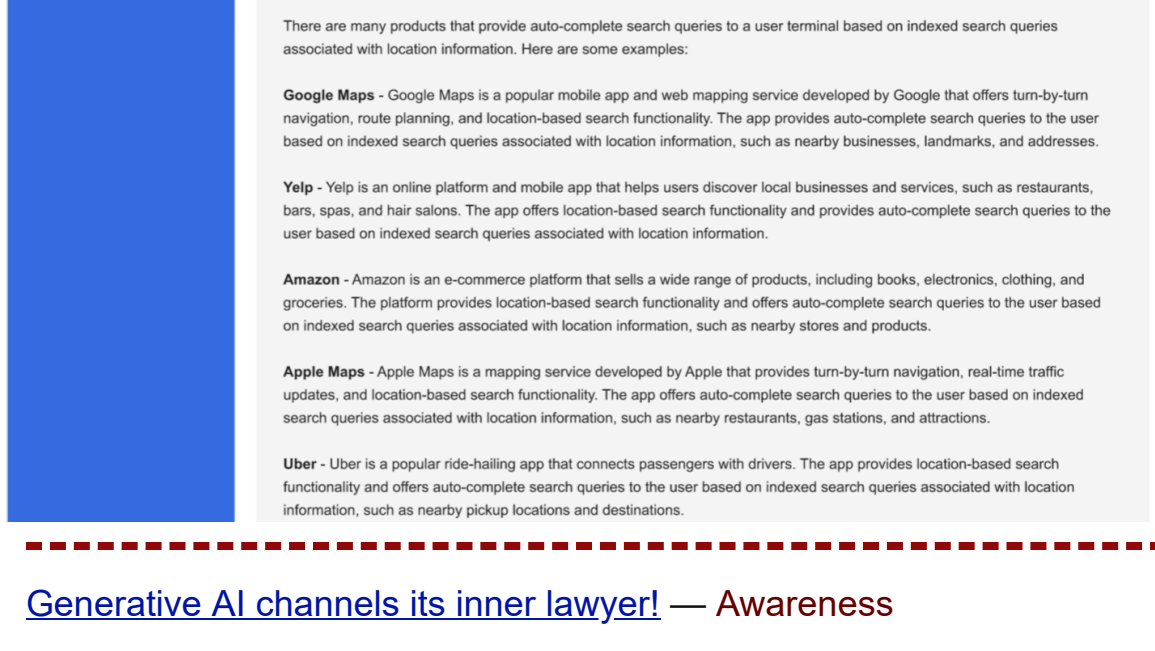
Weaviate, *Open source, GPT3*

Weaviate (SeMI Technologies), an open-source vector-search engine, has released a generative search module that integrates with OpenAI's GPT-3 and other generative AI models. This allows users to specify their own vector databases and eliminates limitations posed by a centralized and generic knowledge base. Weaviate's vector-search engine technology can also search other forms of data such as images, audio, video, and genetic information. The generative AI module is freely available for download and can also be used by clients with service-level agreements through Weaviate's SaaS and hybrid SaaS products.

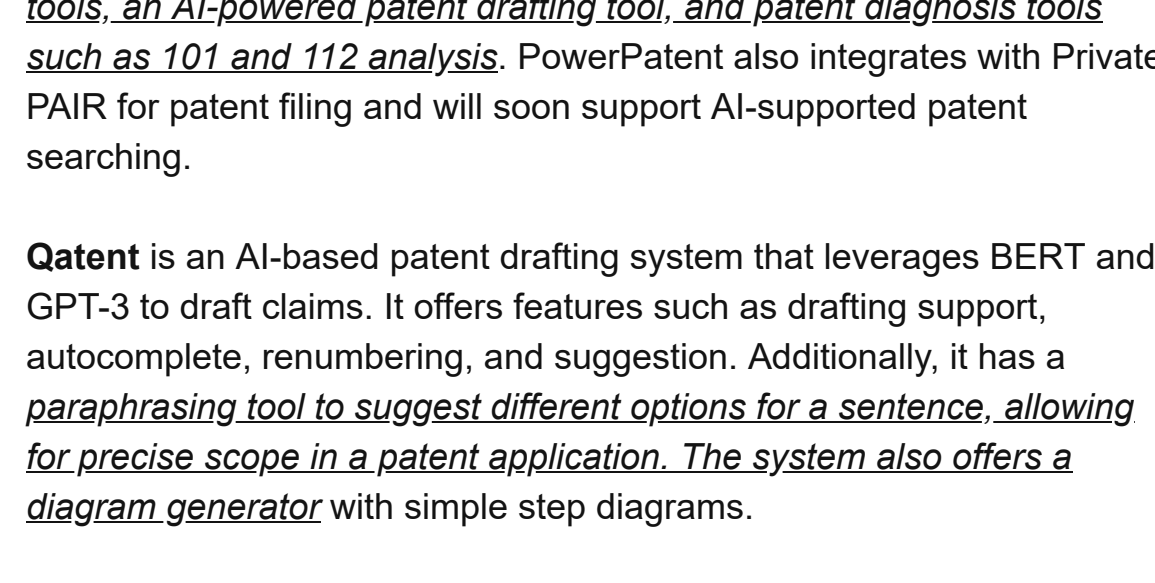
Impact

- The Weaviate generative search module has the potential to significantly improve the accuracy and efficiency of patent searching by allowing patent searchers to input more complex and specific queries using natural language. This can lead to faster and more accurate searches, reducing the risk of missing relevant prior art or granting invalid patents. The ability to search multiple types of data can also provide a more comprehensive search experience for patent searchers.**

Well, Dolcera is currently building its game-changing generative AI based platform for various IP stakeholders that includes patent searching and analytics as well. Don't miss out on the opportunity to gain a competitive edge and revolutionize the way you manage your IP.



Sign Up for an Exclusive Early Trial!



Generative AI channels its inner lawyer! — Awareness

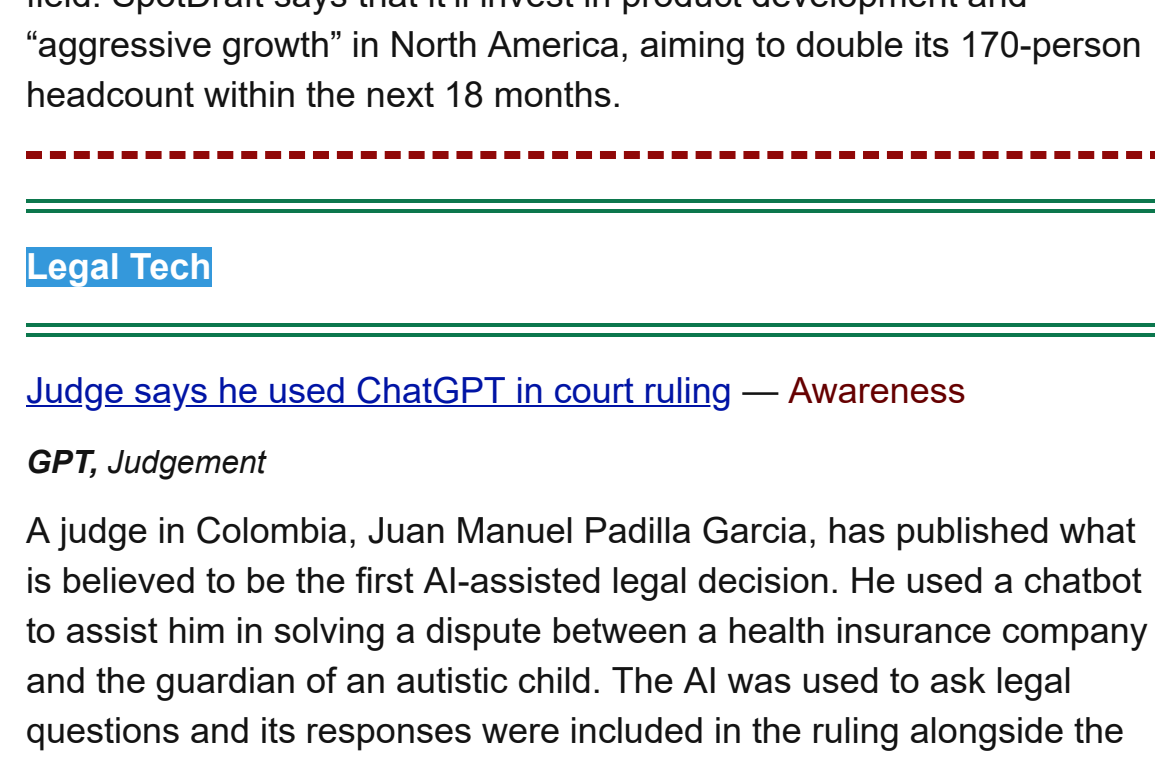
PowerPatent, Qatent, Specif.io, AI, Drafting, Searching, Diagram generator

PowerPatent is a generative AI-powered software solution that assists patent attorneys in creating patent applications. It offers a range of tools including a guided invention disclosure process, collaboration tools, an AI-powered patent drafting tool, and patent diagnosis tools such as 101 and 112 analysis. PowerPatent also integrates with Private PAIR for patent filing and will soon support AI-supported patent searching.

Qatent is an AI-based patent drafting system that leverages BERT and GPT-3 to draft claims. It offers features such as drafting support, autocomplete, renumbering, and suggestion. Additionally, it has a paraphrasing tool to suggest different options for a sentence, allowing for precise scope in a patent application. The system also offers a diagram generator with simple step diagrams.

Specif.io is a patent drafting software that focuses on software inventions. It generates flowcharts from method claims provided by the user, using boilerplate language and templates to systematically copy the framework information of the computer system. Although not strictly an AI tool, it provides a shell for prosecutors to use.

ipQuants' ask Qthena powered by GPT3 — Awareness



IpQuants, GPT3, Digital assistant, Legal

IpQuants provides tools to legal professionals, researchers, and corporate strategists to streamline their daily workflows and make data-driven decisions. Their digital assistant, Qthena, allows users to access relevant case documents and information with a single click from within their case management system. IpQuants has now integrated GPT-3 technology into Qthena and have opened their waiting list to users and initiated discussions with key customers.

SpotDraft raises \$26M in Series A — Awareness

SpotDraft, Funding, Contract Lifecycle management

SpotDraft is one of a growing number of CLM (contract lifecycle management) vendors trying to stand out in the increasingly crowded field. SpotDraft says that it'll invest in product development and "aggressive growth" in North America, aiming to double its 170-person headcount within the next 18 months.

Legal Tech

Judge says he used ChatGPT in court ruling — Awareness

GPT, Judgement

A judge in Colombia, Juan Manuel Padilla Garcia, has published what is believed to be the first AI-assisted legal decision. He used a chatbot to assist him in solving a dispute between a health insurance company and the guardian of an autistic child. The AI was used to ask legal questions and its responses were included in the ruling alongside the judge's own thoughts. However, concerns have been raised about the potential for biased responses based on the datasets that these systems are trained on.

S. Korea launches working group to discuss intellectual property issues regarding AI-generated images — Awareness

S.Korea, Committee, IP, AI

South Korea has established a working group made up of experts from various fields to discuss issues related to intellectual property rights over images generated by artificial intelligence (AI). AI-generated image services have grown in popularity as they can create images instantly based on user preferences using pre-collected datasets. However, conventional copyright protection laws only cover works created by humans, leading to debates about whether AI violates IP laws. The South Korean working group aims to improve copyright laws for AI-generated images and set guidelines for their proper use based on current laws.

Techn Insights partners with Cipher — Awareness

Techn Insights, LexisNexis, Semiconductor, Insights

The partnership aims to provide better and actionable intelligence critical to the strategic decisions and collaborations of the future in the semiconductor industry. The core value of the partnership is to provide an insight for what is happening in R&D across the semiconductor industry.

RWS expands AI training data services with launch of TrainAI - Awareness

RWS, AI, Data validation

RWS has launched TrainAI, a brand that offers complete end-to-end data collection, annotation and validation services for all types of AI data in any language at any scale. The services provided by TrainAI will help clients to train their machine learning models and AI applications.

RELX bolsters its patent analytics with AI deal - Awareness

Relx, Aistemos, AI, Classification, Acquisition

RELX has acquired Aistemos, the company behind the Cipher brand, for approximately \$36 million. Aistemos uses artificial intelligence to classify patents and map them to technologies, and its technology will be integrated into RELX's IP analytics solution, LexisNexis PatentSight, to provide customers with deeper insights into the strategic value of their patents.

Allen & Overy adopts OpenAI-powered chatbot technology — Take Action

Harvey AI, Allen & Overy, Generative AI

Harvey AI, a startup backed by OpenAI, has partnered with Allen & Overy to automate legal document drafting and research using generative AI. Harvey received a \$5 million investment from OpenAI last year and is designed to create tailored, generative AI-driven products for law firms and specific client matters. Legal technology companies have recently rolled out new tools incorporating generative AI, which could lead to more deals like this in the future.

Impact: Through the use of generative AI to automate legal document drafting and research, law firms have the potential to save time and resources, increase efficiency, and minimize the risk of errors. As a result, this technology may enable law firms & service providers to become more competitive. However, it is yet to be seen if law firms & service providers will pass on the "cost" benefits to their end clients, particularly in the early stages of adoption.

Generative AI for data analytics: the future of enterprise sense-making — Awareness

Generative AI, Patterns

Generative AI can help data scientists, researchers, and analysts explore useful patterns in data and knowledge by creating and testing hypotheses based on all available data sources, generating specific business insights, and updating them over time. It can also bridge gaps in the data by collecting unstructured data into new structured sources. Generative AI can help ask the right questions and discover millions of ideas automatically, test and rank them, and identify relevant external data sources. It can analyze data from multiple sources and dimensions and provide recommended actions based on commercial need. Generative AI technology can improve performance and create new opportunities in various industries, such as financial institutions, CPG conglomerates, life sciences corporations, energy companies, and consulting and legal service firms.

Machines that draft laws: they're heereee — Awareness

XCential, Akin Gump Strauss Hauer & Feld, Draft laws, AI, Software

Legislative offices have long relied on software to assist in drafting bill amendments and understanding the impact of new versions of laws and one such company is XCential. XCential's LegisPro software has created templates that help draft laws with a "big hierarchical structure" that can be referred to in a precise way. According to XCential, the software focuses more on pattern recognition than "thinking," but its applications have the potential to increase transparency in government. However, the increasing popularity of these software tools has also led to legal disputes, such as the ongoing intellectual property (IP) battle between XCential and DC lobbying giant Akin Gump Strauss Hauer & Feld over ownership of a tool that generates a draft bill for submission to Congress.

Generative AI: Legal tech disruptor? — Awareness

Killer Whale Strategies, AI, Impact on services

Zach Abramowitz, a legal tech expert, appeared on Technically Legal to discuss generative AI, such as OpenAI, and its potential impact on legal technology adoption. He is the founder of Killer Whale Strategies, a consultancy that helps law firms and legal departments utilize technology to disrupt traditional legal work. He believes that generative AI could make legal services cheaper, less profitable for service providers, and speed up legal tech adoption.

CEO talk: Automating legal drafting with AI — Awareness

Briefpoint, AI, Drafting

Briefpoint is a legal tech company that uses technology and AI to automate routine legal drafting tasks, such as generating responses to legal documents like interrogatories and document requests. By automating these tasks, the company aims to reduce legal fees and free up lawyers to focus on more complex work. Briefpoint's approach differs from traditional form-based software, relying instead on generative AI to analyze and generate responses.

Others

Insilico Medicine sends first generative AI-designed drug for COVID-19 and variants to clinic — Take Action

Insilico Medicine, IND, AI, China, Covid, Drug development

Insilico Medicine has received approval for an Investigational New Drug (IND) application from China National Medical Products Administration for ISM3312, an orally available 3CLpro inhibitor designed using the company's proprietary generative chemistry platform Chemistry42 for the treatment of COVID-19. ISM3312 is a highly selective small molecule inhibitor with a molecular structure that potentially provides a broad spectrum of anti-coronavirus activities, single agent oral bioavailability, and drug-resistant mutations. The drug will soon enter clinical trials in China to explore its tolerability, safety, pharmacokinetic profile, efficacy, and safety in different subgroups of patients with COVID-19.

Impact: In addition to the widely acknowledged benefit of AI expediting drug development, it is anticipated that there will be a significant increase in patent applications within the life sciences industry as a result.

What is BioGPT and what does it mean for healthcare? — Take Action

Microsoft, BioGPT

Microsoft's AI tool, BioGPT, has demonstrated "human parity" in analyzing biomedical research to answer questions. It is a type of generative language model, trained on millions of previously published biomedical research articles, and can perform tasks such as answering questions and generating relevant text. It claims to have achieved 81% accuracy on the natural language processing scale PubMedQA, compared to 78% for a single human annotator.

Impact:

- BioGPT could speed up drug development and reduce the time and resources required for research and development.**
- Faster patent filing and approval processes could result in faster access to new treatments for patients.**
- BioGPT is a relatively new technology and its limitations, such as potential biases and inaccurate text, must be carefully considered.**

Huma AI - Generative AI platform for life sciences — Awareness

Huma.AI, AI, Drug development

Huma.AI has launched an AI platform for life sciences that aims to speed up the development of life-saving drugs. The platform is designed to connect and search multiple, disparate, unstructured data sources, returning answers to questions using natural language processing (NLP) to automate manual data curation. The platform can analyze private enterprise data from multiple sources, going beyond ChatGPT, and aims to provide more accurate information for medical affairs, clinical development, post-market surveillance, and real-world evidence. Huma.AI's generative AI platform has been validated by global pharmaceutical customers and claims to perform better than human experts.

Tracking the race to develop generative AI technologies in China — Awareness

Alibaba, Baidu, JD, Qihoo 360, ByteDance, iFYKTEK, NetEase, Tencent, Huawei, AI

The emergence of ChatGPT, an OpenAI-developed chatbot that utilizes large language models (LLMs) to provide on-demand information, has sparked a major competition among Chinese companies to launch a viable competitor for the domestic market. Despite China's stringent regulations surrounding data security and censorship, Chinese firms believe generative AI technologies will still be transformative to the country's technology sector.

- Baidu:** It will launch a chatbot called wenxin yiyan or "Ernie Bot" in English.
- Alibaba:** Alibaba's DAMO Academy reportedly increased its registered capital from 10 million yuan to 300 million yuan and applied for a patent for a "human-computer dialogue and pre-trained language model training method, system and electronic equipment. It is in the internal testing stage of developing its own ChatGPT-style chatbot.

- JD:** JD's cloud computing branch JD Cloud is launching ChatJD, an AIGC (AI generated content) platform based on its AI platform Yanxi that will be used for scenarios in several sectors, including retail and finance.
- Qihoo 360:** It will launch a demo version of a generative AI tool "as soon as possible."

- ByteDance:** It claims that it is more focused on further exploration into virtual reality content generation and has no explicit plans to release a ChatGPT competitor.
- iFYKTEK:** A partially state-owned company focusing on voice recognition software and natural language processing, says it will use ChatGPT-related technology in developing its AI learning machine.

- NetEase:** It expects to launch a demo of a product integrating LLM and AIGC technology into e-learning scenarios such as oral language instruction and writing revision.
- Tencent:** It is conducting "relevant research" into future applications of generative AI technology.

- Huawei:** It has recently patented technology to detect user input behavior in what it describes as a "man to computer conversation system." Like ChatGPT, the software would analyze existing libraries of data to generate responses to user questions. Huawei has not yet revealed any prospective use cases or product applications for the patented technology.

Korean industry adopts ChatGPT for intelligent automation — Awareness

Samsung, PosCo, Bespin Global, Upstage, Keewit, Naver, AI

South Korean companies, from IT giants to startups, are considering using ChatGPT, an advanced AI chatbot developed by OpenAI. Samsung SDS Co. and POSCO ICT Co. are looking into incorporating ChatGPT into their Robotic Process Automation (RPA) solution to automate routine work tasks and reduce operation hours for employees. Bespin Global, a cloud-based software as a service (SaaS) company, has launched HelpNow AI, an AI chatbot based on GPT, while Upstage has released A sk up, a combination of ChatGPT and its own Optical character recognition (OCR) technology, and Wider Planet Inc. is considering applying ChatGPT to the advertising industry.

Keewit, a Korean AI writing editor, and Naver Corp. are also developing generative AI technology.