

# PowerPatent Revolutionizes Software and AI Patent Filing with AI Solutions for Cost-Effective Legal Innovation

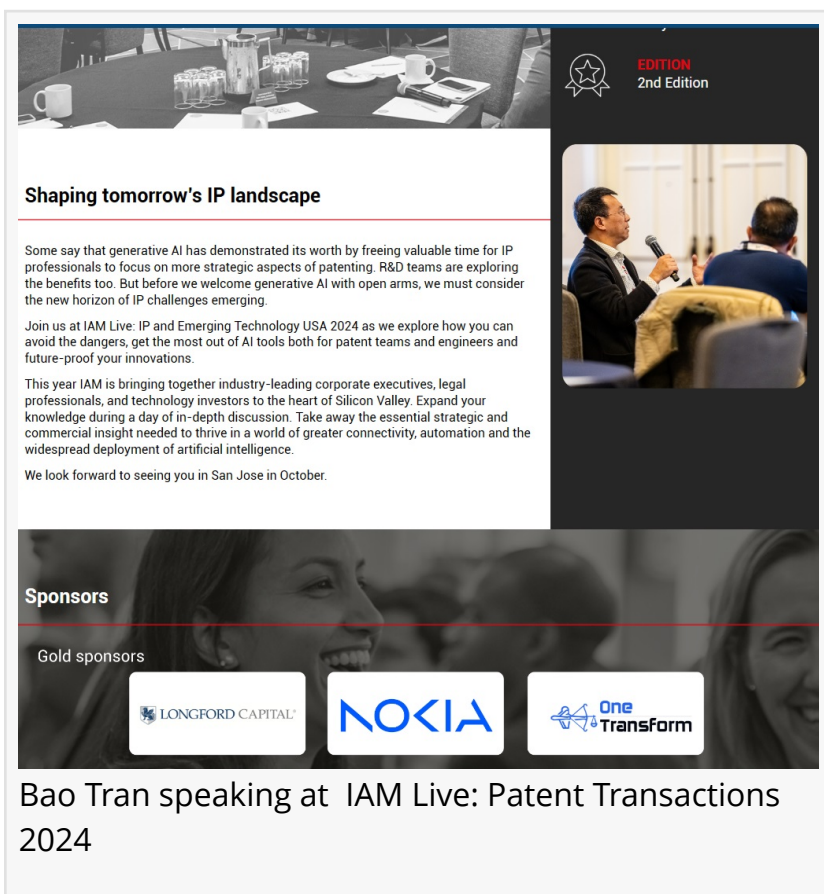
*PowerPatent's AI Solutions promise to slash software and AI patent filing costs, making innovation protection accessible to all.*

PALO ALTO, CA, UNITED STATES, January 14, 2025 /EINPresswire.com/ -- [PowerPatent](#), a leading innovator in legal technology, is proud to announce the official launch of its groundbreaking AI Solutions for Cost-Effective Patent Filing. Unveiled at the AI SaaS Conference, this cutting-edge suite of tools is poised to transform the way patents are filed, making the process more affordable and accessible without compromising on quality.

In today's fast-paced world of AI advancements, the need for efficient and cost-effective patent filing solutions has never been more pressing. Startups, individual inventors, and even established businesses often face the daunting challenge of navigating the complex and expensive patent filing process. Recognizing this critical need, PowerPatent has developed a comprehensive suite of AI-driven tools designed to streamline the patent filing process, significantly reducing costs while maintaining the highest standards of quality:

\*AI is revolutionizing patent transactions, making the patent marketplace more efficient, transparent, and dynamic.

\*Best practices for AI licensing include clearly defining ownership rights, implementing responsible AI practices, establishing appropriate Service Level Agreements, and ensuring legal compliance.



**Shaping tomorrow's IP landscape**

Some say that generative AI has demonstrated its worth by freeing valuable time for IP professionals to focus on more strategic aspects of patenting. R&D teams are exploring the benefits too. But before we welcome generative AI with open arms, we must consider the new horizon of IP challenges emerging.

Join us at IAM Live: IP and Emerging Technology USA 2024 as we explore how you can avoid the dangers, get the most out of AI tools both for patent teams and engineers and future-proof your innovations.

This year IAM is bringing together industry-leading corporate executives, legal professionals, and technology investors to the heart of Silicon Valley. Expand your knowledge during a day of in-depth discussion. Take away the essential strategic and commercial insight needed to thrive in a world of greater connectivity, automation and the widespread deployment of artificial intelligence.

We look forward to seeing you in San Jose in October.

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**Bao Tran speaking at IAM Live: Patent Transactions 2024**

\*Post-Alice, software patent applications need to emphasize technical innovation rather than just functional outcomes or business applications. Software inventions must be framed as technical solutions to technical problems.

\*Close collaboration between legal and technical teams is crucial when drafting software patent applications to ensure technical aspects are accurately described.

\*Patent claims should focus on tangible technological solutions rather than high-level business outcomes to enhance eligibility.

\*Software ideas must solve a problem "necessarily rooted" in computer technology in a new and unconventional way to be patent-eligible.

\*Combining NDAs with patents can be particularly effective for protecting software-related intellectual property.

Attorney Tran advises startups to have both a patent application and an NDA in place when disclosing to high-risk recipients. The patent application process can be streamlined using modern software tools and AI-based patent drafting assistants. Monetization strategies for patented inventions include launching startups, licensing, or selling patents to manufacturers. He also addressed myths on patenting software inventions:




PowerPatent's AI-driven solutions are making patent protection more accessible, paving the way for a new era of innovation."

*Cephas Doc*

Myth 1: "Software Can't Be Patented"

The Truth: Software can be patented under specific circumstances, provided it meets the necessary patent eligibility requirements. The misconception that software can't be patented likely stems from the legal intricacies surrounding software-related patents, especially in the United States.

The truth is that software patents are granted when the invention involves a technical process that goes beyond merely performing abstract ideas. This means that if your software invention includes a novel method of solving a technical problem or improves the functionality of computers or other devices, it may be patentable.



US01174855B2

<p>(12) <b>United States Patent</b> <b>Tran</b></p> <p>(54) <b>SYSTEMS AND METHODS FOR MACHINE CONTENT GENERATION</b></p> <p>(71) Applicant: <b>Bao Tran</b>, Saratoga, CA (US)</p> <p>(72) Inventor: <b>Bao Tran</b>, Saratoga, CA (US)</p> <p>(* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.</p> <p>(21) Appl. No.: <b>17582,852</b></p> <p>(22) Filed: <b>Jan. 24, 2022</b></p> <p>(65) <b>Prior Publication Data</b> US 2022/0237368 A1 Jul. 28, 2022</p> <p><b>Related U.S. Application Data</b></p> <p>(60) Provisional application No. 63/140,774, filed on Jan. 22, 2021.</p> <p>(51) <b>Int. Cl.</b> <i>G06F 40/137</i> (2020.01) <i>G06F 40/169</i> (2020.01) <i>G06N 20/00</i> (2019.01) <i>G06F 21/10</i> (2013.01) <i>G06F 40/30</i> (2020.01)</p> <p>(52) <b>U.S. Cl.</b> CPC: <i>G06F 40/169</i> (2020.01); <i>G06F 40/137</i> (2020.01); <i>G06N 20/00</i> (2019.01); <i>G06F 21/105</i> (2013.01); <i>G06F 40/30</i> (2020.01)</p> <p>(58) <b>Field of Classification Search</b> None See application file for complete search history.</p> <p>(56) <b>References Cited</b> U.S. PATENT DOCUMENTS 7,716,581 B2 5/2010 Tran 8,295,871 B2 10/2012 Spottiswoode</p>	<p>(10) <b>Patent No.:</b> <b>US 11,748,555 B2</b> (45) <b>Date of Patent:</b> <b>Sep. 5, 2023</b></p> <p>8,386,350 B2 2/2013 Plov 9,990,351 B2 6/2018 Tran 10,195,513 B2 2/2019 Tran 2008/0048904 A1 1/2008 Tran 2012/0141659 A1 6/2012 Van Aalst 2013/017994 A1 11/2013 Tran 2016/0992405 A1* 3/2016 Lee ..... G06F 40/169 7/15/202</p> <p>2019/0340217 A1 11/2019 Tran 2020/0034832 A1 1/2020 Jan (Continued)</p> <p><b>OTHER PUBLICATIONS</b></p> <p>Zhang et al. "AI-Powered Text Generation for Harmonious Human-Machine Interaction: Current State and Future Directions" 2019 IEEE Smart World, pp. 1-8, (Year 2019),* (Continued)</p> <p><b>Primary Examiner</b> — Ariel Mercado (74) <i>Attorney, Agent, or Firm</i> — PowerPatent Patent PC; Bao Tran</p> <p>(57) <b>ABSTRACT</b> Computerized systems and methods are disclosed to generate a document by providing a document structure having one or more seed landmark texts therein, each landmark text including a milestone overview text and a plurality of component texts; from the milestone overview text, generating one or more computer-generated text suggestions to supplement the milestone overview text; combining the milestone overview text with each component text and generating one or more computer-generated component text suggestions; and creating the document by combining the milestone overview, the one or more computer-generated text suggestions, and each component text with corresponding one or more computer-generated component text suggestions.</p> <p style="text-align: right;"><b>19 Claims, 19 Drawing Sheets</b></p>
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Provide a document structure having one or more chapters and for each chapter add a seed brief descriptive text for the chapter and add a plurality of sub-plot texts for the chapter

For each chapter:

From the seed brief descriptive text, generating one or more computer-generated text suggestions to supplement the seed brief descriptive text to form a second brief descriptive text

For each sub-plot text, generate one or more computer-generated component text suggestions based on the second brief descriptive text and each component text; and

Create the document by combining each second brief descriptive text with each component text with corresponding one or more computer-generated component text suggestions

**PowerPatent Issued Patent**

For example, a software invention that optimizes data storage on servers or improves machine-learning algorithms to solve real-world problems can be considered for patent protection. These innovations are not viewed as "just software" but rather as technical solutions with real-world applications, making them eligible for patenting under U.S. law.

## Myth 2: "Open-Source Software Can't Be Patented"

The Truth: Open-source software and patents are not mutually exclusive. While open-source licenses allow for the public use, modification, and distribution of the software, this doesn't mean that the underlying innovations are automatically disqualified from patent protection.

Founders and inventors should understand that contributing software to an open-source project does not negate the possibility of obtaining a patent on the technology. However, it is important to carefully navigate how the software is shared under open-source licenses. While the code itself might be freely available, the proprietary methods or processes that underlie the software may still be eligible for patent protection.

To avoid legal conflicts, it's essential to consult a patent attorney before releasing open-source software to ensure that your rights are preserved. By doing so, you can maintain control over your IP while contributing to the open-source community.



The flyer is titled "Demystifying the Patent Process" and features a glowing lightbulb icon. It provides details for an event on August 30th, 2023, from 10 AM to 12 PM at the Martin Luther King Jr. Library. The flyer lists sponsors including the SBA, SJSU, and San Jose Public Library. It also includes a list of topics attendees will learn about, such as patent prosecution and the role of examiners.

**uspto** UNITED STATES PATENT AND TRADEMARK OFFICE

# Demystifying the Patent Process

**August 30th 2023**  
**10 AM - 12 PM**

Are you an entrepreneur or technology company interested in protecting your intellectual property (IP)?

Join our Silicon Valley SBDC event, in collaboration with the United States Patent and Trademark Office (USPTO) to learn about the different types of patents, including utility, design, and plant. In this session USPTO experts will discuss the difference between provisional patent applications and non-provisional patent applications and their use. Get connect to pro bono services for your IP.

Martin Luther King Jr. Library, 3rd FL  
150 E San Fernando St.  
San Jose, CA 95112

\*Free parking with validation is available at the Fourth Street Garage

Attendees will also learn about:

- The process of patent prosecution
- The role of patent examiners at the USPTO
- What to expect when working with the USPTO
- Resources available through the USPTO to protect your IP

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# POWER PATENT

### Myth 3: “If I Patent My Software, Competitors Will Easily Work Around It”

The Truth: While it is true that competitors may attempt to design around your patented invention, a well-drafted patent application can make it significantly harder for them to do so. A strong software patent doesn't just protect your specific product or process; it protects the core concept behind your innovation, making it difficult for others to create a similar solution without infringing on your rights.

When applying for a software patent, the focus should be on crafting robust claims that capture the technical essence of your innovation. This means your patent can cover a broad range of implementations that might stem from your invention. Competitors may attempt to tweak certain features or functionalities, but as long as their approach falls within the scope of your patent claims, they risk infringement.

A key strategy is working with a skilled patent attorney who understands the nuances of drafting patents in the software space. They can ensure your patent offers the strongest possible protection, making it challenging for others to work around your invention without facing legal consequences.

### Myth 4: “Software Patents Aren't Worth the Investment”

The Truth: The value of a software patent extends far beyond legal protection—it can be a critical asset for your startup's success. While the cost of filing for a patent may seem like a significant upfront investment, the long-term benefits often far outweigh the expense.

PowerPatent provides a solution for startup founders to protect their software inventions. PowerPatent's AI Solutions for Cost-Effective Patent Filing offer an array of features that are meticulously designed to address the various pain points associated with traditional patent filing. These key features include:

#### Automated Drafting of Routine Sections

The AI technology behind PowerPatent's solutions is a game-changer in the patent filing process, particularly when it comes to drafting routine sections of patent applications. Traditionally, sections like the background, summary, and abstract require meticulous attention to detail, often consuming a significant amount of time for patent attorneys. These sections, while essential, are often formulaic and repetitive, making them ideal candidates for automation. PowerPatent's AI leverages natural language processing and machine learning algorithms to generate these sections with remarkable accuracy. By understanding the nuances of legal language and the specific requirements of patent documentation, the AI ensures that each section is not only accurate but also consistent with the rest of the application.

This level of automation does more than just speed up the drafting process; it also reduces the risk of human error, which can be costly in the patent filing process. Errors in these sections can

lead to delays, additional costs, or even rejections from the patent office. By automating these tasks, PowerPatent's AI not only enhances efficiency but also boosts the reliability of the applications. This allows [patent professionals](#) to redirect their focus towards the more strategic and complex aspects of patent drafting, such as crafting claims and addressing potential legal challenges. In essence, the AI serves as a highly efficient assistant, handling the routine tasks with precision while freeing up attorneys to apply their expertise where it is most needed.

### Smart Template Selection Based on Invention Type

PowerPatent's AI Solutions take patent drafting a step further with smart template selection, a feature that tailors the application process to the specific type of invention being patented. The system utilizes an extensive database of patent templates, each designed to meet the distinct requirements of various invention categories. Whether the invention falls within biotechnology, software, mechanical engineering, or any other field, the AI analyzes the details of the invention and selects the most appropriate template. This ensures that the application is structured in a way that aligns with industry standards and meets the expectations of patent examiners.

Beyond just selecting a template, the AI customizes it to reflect the unique characteristics of the invention. For example, in the case of a software-related patent, the AI might emphasize the algorithms and data flow aspects, while a mechanical invention might require a focus on physical components and manufacturing processes. This intelligent customization not only saves time but also increases the likelihood of approval by presenting the invention in a clear, concise, and contextually appropriate manner. This feature is particularly beneficial for inventors who may not be familiar with the intricacies of patent applications, as it helps ensure that their submissions are not only compliant with patent office standards but also optimized for success.

Filing a patent can be a costly endeavor, with expenses varying widely depending on factors such as the complexity of the invention, the jurisdiction in which the patent is being filed, and the strategic decisions made during the drafting process. PowerPatent's AI analyzes all these variables and generates an accurate cost estimate, allowing inventors to plan their budgets effectively and avoid unexpected financial burdens.

In addition to estimating costs, the AI offers intelligent suggestions on how to optimize these costs without compromising the quality or scope of the patent. For instance, the AI might recommend specific strategies for drafting claims that reduce the number of revisions needed, or it might suggest alternative jurisdictions where filing might be more cost-effective. This feature empowers inventors to make informed decisions that align with their financial capabilities while still securing robust patent protection. By providing these insights, PowerPatent's AI not only makes the patent process more transparent but also more accessible, particularly for small businesses and individual inventors who may have limited resources.

Cephas Doc, PowerPatent's Head of User Experience, emphasized the transformative potential of these AI-driven tools during the product launch at the Legal Innovation and Tech Expo. Doc noted, "PowerPatent's cost-effective filing solutions address a critical need in the patent industry. By automating routine tasks and providing smart suggestions, it allows firms to offer more

competitive pricing without sacrificing quality. This could make patent protection more accessible to a wider range of inventors and businesses."

Doc further elaborated on the broader implications of these tools, stating, "The cost of patent filing has long been a barrier for many innovators, especially small businesses and individual inventors. By leveraging AI to reduce these costs, PowerPatent is not just improving efficiency for attorneys but potentially democratizing access to patent protection. This could have far-reaching effects on innovation and economic growth."

The traditional patent filing process is often fraught with challenges that can be particularly burdensome for smaller entities. The costs associated with patent attorneys, the time-consuming nature of drafting applications, and the complexities of navigating the patent office's requirements can all add up to a formidable barrier for many would-be innovators. PowerPatent's AI Solutions are designed to alleviate these pain points by providing a streamlined, efficient, and cost-effective alternative.

For instance, the automated drafting feature eliminates the need for manual drafting of routine sections, which can be a labor-intensive process. By automating this task, PowerPatent's AI technology not only saves time but also reduces the likelihood of errors, ensuring that the application is accurate and complete.

Similarly, the smart template selection feature is a game-changer for inventors who may not be familiar with the intricacies of patent applications. By tailoring the application to the specific type of invention, the system ensures that the application is not only compliant with patent office requirements but also optimized for approval.

The economic implications of making patent filing more accessible cannot be overstated. By reducing the costs associated with patent protection, PowerPatent's AI Solutions have the potential to spur innovation across a broader spectrum of industries. Small businesses and individual inventors, who may have previously been deterred by the high costs of patent filing, now have a viable option for protecting their intellectual property. This democratization of access to patent protection could lead to a more vibrant and competitive marketplace, where innovative ideas are not stifled by financial constraints. As more inventors are able to secure patents, the overall level of innovation in the economy could increase, leading to new products, services, and technologies that benefit society as a whole.

PowerPatent has long been a pioneer in the field of legal technology, and the launch of its AI Solutions for Cost-Effective Patent Filing is a testament to the company's ongoing commitment to innovation. By integrating advanced AI technology into the patent filing process, PowerPatent is setting a new standard for efficiency and affordability in the legal industry. The company's AI Solutions are designed to enhance, not replace, the expertise of legal professionals. By automating routine tasks and providing intelligent suggestions, the AI technology frees up attorneys to focus on more strategic aspects of patent protection, such as drafting claims and

responding to office actions.

This collaborative approach between AI and human expertise ensures that the highest standards of quality are maintained throughout the patent filing process. Inventors and businesses can have confidence that their applications are being handled with the utmost care and precision, even as they benefit from the cost savings and efficiencies offered by AI.

The launch of PowerPatent's AI Solutions for Cost-Effective Patent Filing is just the beginning. As the legal industry continues to evolve, PowerPatent is committed to staying at the forefront of innovation, developing new tools and technologies that further enhance the patent filing process.

In the near future, PowerPatent plans to expand its suite of AI-driven tools to cover additional aspects of intellectual property management, such as trademark filing and patent portfolio management. The company is also exploring the potential of integrating its AI Solutions with blockchain technology, providing an added layer of security and transparency to the patent filing process.

PowerPatent's vision is to create a seamless, end-to-end platform for intellectual property management that leverages the power of AI to deliver unparalleled efficiency, accuracy, and cost-effectiveness. By continuing to push the boundaries of what is possible with AI, PowerPatent aims to empower inventors and businesses to protect their innovations and thrive in an increasingly competitive global marketplace.

As the legal industry continues to embrace digital transformation, PowerPatent's AI Solutions for Cost-Effective Patent Filing stand out as a powerful tool for democratizing access to patent protection. By reducing costs, streamlining the filing process, and maintaining the highest standards of quality, these AI-driven tools are empowering a new generation of inventors and businesses to protect their innovations and contribute to the global economy.

PowerPatent invites all innovators, from startups to established enterprises, to explore the benefits of its AI Solutions for Cost-Effective Patent Filing. With these tools, the future of patent protection is not only more affordable but also more accessible, ensuring that innovation can thrive in an increasingly competitive world.

For more information about PowerPatent's AI Solutions for Cost-Effective Patent Filing, please visit PowerPatent's website [www.PowerPatent.com](http://www.PowerPatent.com)

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