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# Best 6 AI Patent Drafting and Patent Prosecution Tools in 2025

The process of patent drafting, from drafting applications to responding to office actions, can be time-consuming and intricate. Fortunately, AI tools have emerged as game-changers for patent professionals, simplifying the process and improving accuracy. In this article, we'll explore the top AI patent drafting tools and highlight key features, benefits, and how these tools are reshaping the patenting landscape.

## Key Takeaways

- AI patent drafting tools in 2025 deliver end-to-end support, from analyzing invention disclosure to generating the specification.
- These tools increase efficiency, accuracy, and focus on best practice while reducing the time and cost of patent preparation.
- Solve Intelligence's Patent Drafting Copilot offers jurisdiction-specific, technology-

specific, and user-specific customization for highly tailored application drafting.

- Investing in advanced patent drafting tools is essential for staying competitive and meeting client expectations in a rapidly evolving IP landscape.



Solve Intelligence

# How AI Patent Drafting Tools Work

AI patent drafting tools leverage advanced algorithms, natural language processing (NLP), and machine learning models to streamline various stages of patent creation. These tools can automate tasks such as patent application drafting, patent application and other patent-related document review, patent office action responses, and even managing patent processes. With tailored models for different jurisdictions and technology sectors, [AI tools](#) also help patent professionals reduce the chances of human error while speeding up the drafting process and freeing up time for other tasks, such as prosecution strategy and claim drafting strategy.

These AI tools can also rely on vast datasets of previous patent applications, office

actions, and technical documents to guide AI-driven patent drafting, ensuring compliance with regional legal standards and technology-specific requirements.

# Benefits of AI Patent Drafting Tools

AI tools for [patent drafting](#) are quickly becoming indispensable, thanks to their ability to:

- **Efficiency Improvements:** By automating tedious aspects of the patent drafting process, patent attorneys can focus more on strategy, claim coverage, and overall protection.
- **Increase Accuracy:** These tools help minimize errors by integrating jurisdiction-specific and technology-specific knowledge into the drafting process.
- **Enhance Collaboration:** Some AI patent drafting tools offer seamless collaboration between inventors, attorneys, and clients, ensuring input is captured effectively and efficiently, and further increasing efficiency throughout the patenting process.
- **Cost Reduction:** Automating time-consuming processes reduces billable hours, resulting in more cost-effective patent prosecution for clients.

# Key Features of Leading AI Patent Drafting Tools

## Patent Drafting Features

AI patent drafting tools come with a variety of specialized features designed to streamline the drafting process:

1. **Jurisdiction-specific tuned models** ensure that applications comply with specific

local **legal requirements** of different jurisdictions, such as the USPTO, EPO, JPO, CIPO, and PCT.

2. **Technology-specific tuned models** enable precision in areas such as biotech, software, and hardware inventions, but also consider legal requirements and aspects specific to those practice areas.
3. **User-specific tuning or customization** allows tools to adapt to different attorneys, companies, or firms' unique styles and preferences.
4. **Full application drafting** automates the creation of the entire patent application, saving significant time.
5. **Figure generation and figure editing** capabilities help automate the creation of technical drawings, often integrating with patent drawing software.
6. **Input of tables, examples, and other experimental data** provides options for incorporating tables and experimental data to include in applications, such as an Examples section of a patent application.
7. **Input of chemical structures, chemical structure analysis, and editing** is crucial for drafting pharmaceutical and chemical patents.
8. **Sequence listing inputs** cater to biotech inventions by managing DNA and protein sequences.
9. **Review functionality** allows for **easy review of patent applications**, checking for such things as antecedent basis errors, specification support, and patent subject-matter eligibility requirements.
10. **Boilerplate incorporation** automatically integrates standard legal language, improving consistency across applications.
11. **Track changes for AI-revisions** ensures transparency and easy validation of AI-generated changes.
12. **Patent Office document generation and automation** simplifies creating, generating, and submitting documents to patent offices, such as Information Disclosure Statements for the USPTO and filing documents for numerous jurisdictions.

## Patent Prosecution Features

AI tools are equally valuable during the prosecution phase of **patent applications**:

1. **Full office action response drafting** helps attorneys respond quickly to examiner

objections and rejections.

2. **Multi-jurisdiction-specific tuned models for patent prosecution** ensure that office action responses **comply with the rules of various patent offices**, and **tailor arguments specific to the law specific to those jurisdictions**.
3. **Generation of amendments to claims for office action responses** saves time drafting claim amendments and listings of claims.
4. **Document review and analysis** automates the analysis of office actions, examination reports, and prior art.
5. **Jurisdiction, rejection/objection-specific, and case-specific law** citations provide precise and quick references for supporting arguments and checking the legal basis and standing of certain rejections or objections.
6. **Integration with patent offices** enables seamless submission of documents and retrieval of prosecution histories.
7. **Automatic download of prosecution history documents** saves time by directly accessing records from patent offices.
8. **Response suggestions** offer AI-driven proposals for responding to examiners' rejections or objections.

## Invention Disclosure Features

1. **Invention disclosure creation and generation** simplifies the early-stage process of documenting inventions and submitting invention disclosure forms.
2. **Client-specific invention disclosure customization** allows companies to tailor the invention disclosure process to match internal processes.

## Other Features

1. **Microsoft Word compatibility** ensures that generated documents can be easily edited and reviewed in familiar software.
2. **Translation capabilities** help in preparing patent applications for non-English jurisdictions.

# Security

1. **SOC2 certification** ensures that tools meet stringent security requirements.
2. **GDPR compliance** guarantees the protection of personal data, particularly in European jurisdictions.

# The Best AI Patent Drafting Tools

Below is a comparison of the top tools for patent drafting, prosecution, and other aspects of the patenting process. Please note that the information below is limited to publicly available information as of September 5, 2024. This includes information on company websites, company postings, video tutorials, video advertisements and demos, and additional information provided to us by users. We will continue to update the information below when additional information becomes available and we welcome any feedback or additional information to improve this listing.

## *Patent Drafting Features*

| Feature                            | Solve Intelligence                      | DeepIP | Patent Bots                             | Claim Master | Edge | BlackHills AI |
|------------------------------------|---|--------|---|--------------|------|---------------|
| Jurisdiction-specific tuned models | <input checked="" type="checkbox"/> Yes | /      | /                                       | /            | /    | /             |
| Technology-specific tuned models   | <input checked="" type="checkbox"/> Yes | /      | <input checked="" type="checkbox"/> Yes | /            | /    | /             |

|  |   |   |   |   |   |   |
|--|---|---|---|---|---|---|
| User-specific tuning or customization                                  | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       |
| Full application drafting  | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | /                                       |
| Figure generation  | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       |
| Figure editing   | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes |
| Input of tables, examples, and other experimental data                 | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Input of chemical structures, chemical structure analysis, and editing | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Sequence listing inputs  | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Review functionality   | <input checked="" type="checkbox"/> Yes | /                                       | /                                       |
| Boilerplate incorporation  | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       | <input checked="" type="checkbox"/> Yes | /                                       | /                                       |
| Track changes for AI-revisions   | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Patent office document generation and automation                       | <input checked="" type="checkbox"/> Yes | /                                       | <input checked="" type="checkbox"/> Yes |

# Patent Prosecution Features

| Feature   | Solve Intelligence                      | DeepIP                                  | Patent Bots                             | Claim Master                            | Edge                                    | BlackHills AI                           |
|---|---|---|---|---|---|---|
| Full response drafting  | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Multi-jurisdiction-specific tuned models                                    | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | /                                       |
| Generation of amendments to claims  | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | /                                       | <input checked="" type="checkbox"/> Yes |
| Document review and analysis  | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes |
| Jurisdiction, rejection/objection-specific, and case-specific law citations | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | /                                       | <input checked="" type="checkbox"/> Yes |
| Integration with patent offices   | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       |
| Automatic download of prosecution history documents                         | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       |
| Response Suggestions  | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | <input checked="" type="checkbox"/> Yes |

# Invention Disclosure Tools

| Feature | Solve Intelligence | DeepIP | Patent Bots | Claim Master | Edge | BlackHills AI |
|---------|--------------------|--------|-------------|--------------|------|---------------|
|---------|--------------------|--------|-------------|--------------|------|---------------|

|  |   |   |   |   |   |   |
|--|---|---|---|---|---|---|
| Invention disclosure creation and generation       | <input checked="" type="checkbox"/> Yes | / | / | / | <input checked="" type="checkbox"/> Yes | / |
| Client-specific invention disclosure customization | <input checked="" type="checkbox"/> Yes | / | / | / | /                                       | / |

## Other

| Feature                      | Solve Intelligence                      | DeepIP                                  | Patent Bots                             | Claim Master                            | Edge                                    | BlackHills AI                           |
|------------------------------|---|---|---|---|---|---|
| Microsoft Word compatibility | <input checked="" type="checkbox"/> Yes |
| Translations                 | <input checked="" type="checkbox"/> Yes | /                                       | /                                       | /                                       | <input checked="" type="checkbox"/> Yes | /                                       |

## Security

| Feature             | Solve Intelligence                      | DeepIP                                  | Patent Bots                             | Claim Master  | Edge                                    | BlackHills AI |
|---------------------|---|---|---|---------------|---|---------------|
| SOC 2 Certification | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | Not published | <input checked="" type="checkbox"/> Yes | Not published |
| GDPR Compliant      | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes | Not published                           | Not published | Not published                           | Not published |

When it comes to AI patent drafting tools, selecting the best tool depends on the features most important to your practice. Below is an overview of the top six AI patent drafting tools, ranked by their overall score and specific features.

# 1. Solve Intelligence

## Overall Score: 27/27

Solve Intelligence includes the most features, covers every stage of the patenting process, and is therefore ranked highest on the list of AI patent tools. Solve offers a comprehensive range of features that span patent drafting, prosecution, and invention disclosure submission. Further, Solve supports jurisdiction-specific and technology-specific tuned models and vast user-specific customization, making it ideal for diverse practices and widespread adoption by firms, global companies, and diverse patent practices and workflows.

On the patent drafting side, Solve offers a tool that allows for full application drafting, figure generation, figure drafting, and figure editing, and allows for the input of chemical structures and tabular data, which makes it capable of assisting with patent applications dealing with mechanical, electrical, software, chemical, biological sequences (new features added in 2025) and numerous other technologies and invention. Thus, Solve is a versatile choice for attorneys, firms, and companies handling complex patent portfolios.

Additionally, Solve excels in patent prosecution with full office action response drafting, jurisdiction-specific law citations, and integration with patent offices for seamless document download and analysis.

Further, Solve allows for the generation of invention disclosure forms and adheres to the highest security standards in the world.

# 2. Patent Bots

## Overall Score: 9/27

PatentBots offers great support with document review and analysis and provides valuable Examiner and USPTO art unit statistics, which is well known and respected in the patent industry. Further, Patent Bots excels in patent office integrations, allowing for the easy download of prosecution histories. While it lacks advanced AI drafting features, like complete application drafting, figure generation, and editing, it shines in the prosecution phase with document review and analysis tools.

## 3. ClaimMaster

### Overall Score: 9/27

ClaimMaster focuses on application review and automating simple (but tedious) tasks for patent professionals. While it lacks advanced AI drafting features (e.g., jurisdiction and technology-specific models and complete figure generation), the review functionality and boilerplate incorporation features that it provides are used by numerous practitioners to double-check and review patent applications before filing.

## 4. Edge

### Overall Score: 9/27

Edge is a tool that specializes in invention disclosure creation and patent application drafting, and it appears to offer user-specific customization. Edge also helps with the invention disclosure stage, which is a valuable tool for inventors.

## 5. DeepIP (formerly davinci)

### Overall Score: 9/27

DeepIP is known for its integration with Word and provides some useful features for patent application drafting, such as boilerplate incorporation, the option to input figures, general chat functionality, and patent application section drafting.

## 6. Black Hills AI

### Overall Score: 7/27

While Black Hills AI ranks lower than other tools in terms of comprehensive features, it stands out for its strong document review and analysis capabilities. It is particularly

effective in suggesting responses to USPTO Office action rejections. Black Hills AI could be a valuable tool for attorneys focused primarily on patent prosecution.

# Conclusion

As AI evolves, patent drafting tools have become more sophisticated and essential for patent professionals. From patent drafting and prosecution to invention disclosures, AI-driven platforms are revolutionizing how patents are created and managed. The tools listed above represent the best of 2025, offering comprehensive features that streamline processes, enhance accuracy, and improve efficiency. These six tools are worth exploring if you want to adopt AI into your patent practice.

Here at Solve Intelligence, we are committed to building AI-powered platforms that assist with every aspect of the patenting process while keeping patent professionals at the helm of these powerful tools. In this way, we give patent practitioners the control needed to reap AI's benefits while mitigating its associated challenges. Our Patent Copilot™ helps with [patent drafting](#), patent filing, patent prosecution, office action analysis, patent portfolio strategy and management, and future patent infringement analyses. At each stage, our Patent Copilot™ works with the patent professional, keeping them in the driving seat, thereby equipping legal professionals, law firms, companies, and inventors with the tools to help develop the full scope of protection for their inventions.

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# FAQs

## What are AI patent drafting tools?

AI patent drafting tools are software platforms that use artificial intelligence, including natural language processing and machine learning, to help attorneys draft, review, and file patent applications.

## How do AI tools assist in the patent prosecution phase?

They automate office action responses, draft claim amendments, cite appropriate case law, and support attorneys generate effective response strategies, speeding up the prosecution process.

## Which AI patent tool is currently considered the most comprehensive based on the provided information?

While several strong options exist, the most comprehensive tools are those offering end-to-end drafting and prosecution support, all tailored for attorney or firm style.

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