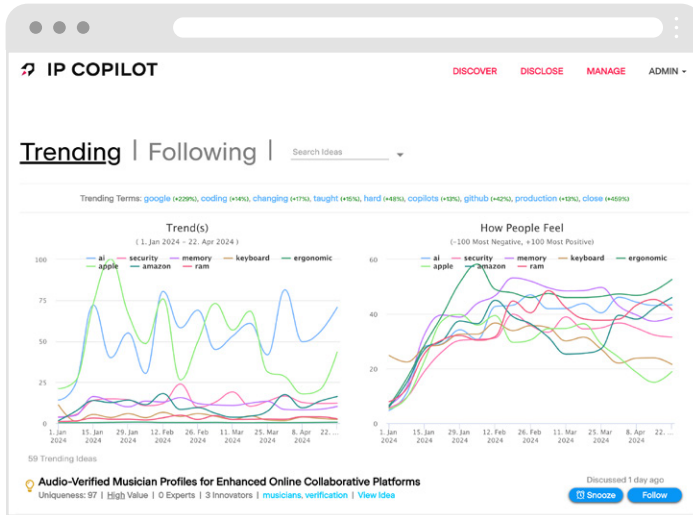


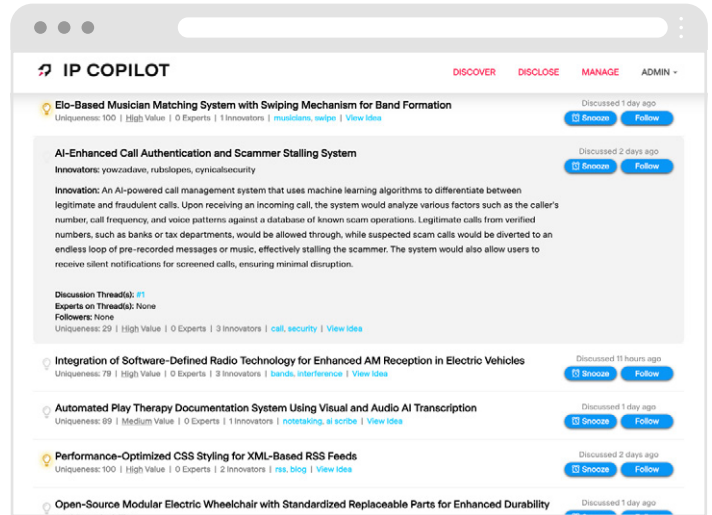


**IP Copilot for enterprise** offers the world's first AI-enhanced disclosure form with instant prior art search, technology tagging, and more. Enterprise users can use Discover to find the best innovations in real-time and our IDF Copilot to help inventors share robust disclosures.

## Discover. Find your best innovations in real-time



- Real-time view of trending technology topics from public channels (e.g., Slack, Teams)
- Identify top experts in technical areas



- Discover new projects and technology trends in real-time
- Easy access to conversations, documents, and links being discussed

## Capture. Help inventors confidently share robust disclosures

**Problem**

Development of an AI-assisted software engineering tool that leverages large language models (LLMs) to parse abstract syntax trees (AST) of extensive codebases. The system converts these ASTs into embeddings and trains a model to answer questions and aid in the continuation of coding projects. This innovation aims to create a generalized pipeline for software development projects, enhancing the coding process by providing AI-generated insights and assistance.

**Solution**

Development of an AI-assisted software engineering tool that leverages large language models (LLMs) to parse abstract syntax trees (AST) of extensive codebases. The system converts these ASTs into embeddings and trains a model to answer questions and aid in the continuation of coding projects. This innovation aims to create a generalized pipeline for software development projects, enhancing the coding process by providing AI-generated insights and assistance.

**IP Copilot**

Your description of the innovation is quite impressive! I'd love to learn more about the challenges that this AI-assisted software engineering tool aims to address.

**Suggestion:**

- Can you elaborate on the specific difficulties developers face when working with large codebases that this tool aims to alleviate?
- Are there any existing solutions or tools that address these challenges, and if so, what are their limitations?

**IP Copilot**

Keep up the great work! I can see the potential of this AI-assisted software engineering tool.

**Suggestion:** To help clarify the technical details of your invention, could you provide a bulleted list of the key components of your system? This would include details such as:

- The specific type of large language models (LLMs) used
- The method for parsing abstract syntax trees (AST) into embeddings
- The architecture and training process of the model for answering questions and aiding in coding projects

Disclosure without

Disclosure with

**Problem:** When writing by hand, the occurrence of spelling mistakes is quite common and requires correction.

**Solution:** When writing by hand, it is common to make spelling mistakes that require correction. To address this issue, I have developed a solution that utilizes advanced artificial intelligence technology. This solution offers real-time spelling error detection and correction, providing users with instant feedback and suggestions to improve their writing accuracy. With this innovative tool, users can write confidently and efficiently, reducing the time and effort required for manual spell-checking.

**Problem:** When writing by hand, the occurrence of spelling mistakes is quite common and requires correction. These errors can have a significant impact on both individuals and organizations. For individuals, spelling mistakes in handwritten text can affect the clarity and readability of the content, leading to misunderstandings or miscommunication. In professional settings, such errors may reflect poorly on one's attention to detail and could undermine their credibility. To address this issue, various methods have been employed, including proofreading, using spell-check tools, or seeking assistance from others to identify and correct the mistakes. However, these methods can be time-consuming, cumbersome, or may not always be available.

**Solution:** When writing by hand, it is common to make spelling mistakes that require correction. To address this issue, I have developed a solution that utilizes advanced artificial intelligence technology. This solution offers real-time spelling error detection and correction, providing users with instant feedback and suggestions to improve their writing accuracy. With this innovative tool, users can write confidently and efficiently, reducing the time and effort required for manual spell-checking.

To enable real-time error detection and correction, the solution employs state-of-the-art machine learning algorithms, specifically a deep learning neural network using a Long Short-Term Memory (LSTM) architecture. This neural network is trained on a diverse and extensive dataset of handwritten text samples, encompassing various handwriting styles and languages. The dataset includes annotated ground truth labels for spelling errors, allowing the neural network to learn and accurately identify and correct spelling mistakes with high precision.

In order to capture handwritten text and convert it into a digital format for analysis by the AI, the solution utilizes advanced optical character recognition (OCR) technology. The OCR technology employs image processing techniques to enhance the quality and clarity of the handwritten text before performing the character recognition process. The digital text, outputted by the OCR, is then fed into the AI algorithm for error detection and correction. Through this seamless integration of OCR and AI, users can effectively correct their spelling mistakes while writing by hand, ensuring accurate and error-free text.

**9 out of 10** experienced inventors prefer IP Copilot and said it makes them more confident

IDF Copilot is designed to be a portfolio manager that guides inventors through IDF capture



IP Copilot for law firms offers an AI-enhanced disclosure form to give attorneys a head start on drafting with instant prior art searching, identification of unique ideas, AI-generated background info and subject matter outlines, art unit prediction, and a streamlined workflow to get applications filed faster than ever.

## AI Privacy + Security

### Private AI

Our product operates independently, without relying on third-party AI services

### Zero Retention Policy

Your data is never stored or used for training purposes within our AI cluster

### Enterprise-grade Security

Our product follows stringent security standards, including SOC2 compliance, ensuring robust protection and risk management.

## Our AI Capabilities

### Proprietary Machine Learning

- Conducts prior art searches
- Predicts Art Unit / Class
- Manages workflows & reminders
- Identifies innovations

### Generative AI

- Summarizes content
- Engages with inventors through questions
- Generates background information
- Creates titles, tags, and more

## Better Quality, Less Time



### AI Prior Art Search

Obtain instant search results, scores, and AI-generated summaries for efficient analysis.



### Identify Unique Features from Disclosure

Pinpoint the most distinctive features from your IDF to streamline your focus.



### Art Unit and Examiner Prediction

Receive instant predictions of USPTO Art Unit, Examiner, and allowance rates for informed decision-making.



### AI-Powered Draft Workflows

Accelerate draft review and approval. Create email reminders and progress tracking following client guidelines.



### AI-Generated Drafting Resources

Jumpstart your drafting process with AI-generated content tailored for your application.

Final Analysis
9 Prior Art: Potential Issues
Run AI Analysis

**Summary**

The disclosure introduces an enhanced night vision feature for VR headsets using an 850hz IR illumination system. This system is unique in its integration into the VR headset, activation in dark settings for clear visibility without breaking immersion, and its design that ensures compatibility with existing display and optics while not adding significant weight or reducing battery life. These features address common issues in current VR technology by providing superhuman night vision capabilities in dark environments, enhancing user experience without compromising the headset's performance.

**Unique Features of Disclosure**

- Integration of an 850hz IR illumination system into the VR headset
- Activation of the IR illumination system in dark settings to enable clear visibility without breaking immersion
- Design ensures compatibility with existing display and optics without significant weight increase or battery life reduction

**Similarities to Prior Art**

The prior art and the disclosure both involve the use of IR light in head-mounted displays for enhancing user experience. They focus on integrating IR systems to improve visibility in low-light conditions, tracking, and depth sensing, without significantly impacting the headset's form factor, weight, or power consumption.

Schedule Demo

Austin Walters, Founder, CEO

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