Generative AI tools in Patent Drafting: Debunking Myths

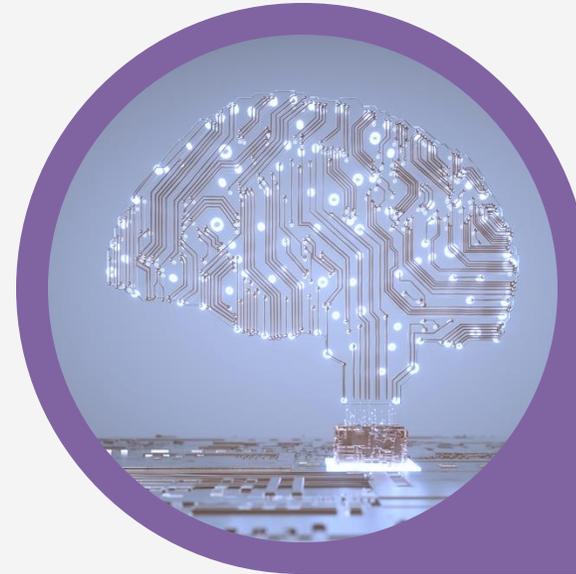## What Patent Attorneys Need to Know?

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Gen AI for Patents: Concept to Commercialization

Generative AI (Gen AI) Technology

Transforming the patent practice

New Gen AI Tools

Transforming the practice of patenting from concept to commercialization

- Invention Disclosure

- Patent Search/Invalidation

- Patent Drafting

- Office Action Response

- Patent Classification

- Evidence-of-use Collection

- Claim Charting

The Tool Suite

Patent Search	Search patent and non-patent literature
	Compare prior art with invention
	Generate patent and non-patent literature lists
	Generate IDS
	Identify patentable subject matter
Patent Drafting	Read and understand invention disclosures
	Organize diagrams and prior art
	Create claims
	Create diagrams
	Create descriptions
	Remove profanities, create embodiments, describe diagrams, etc.
Office Action Response	Review office action
	Create office action response shell
	Compare cited prior art with patent application
	Present various arguments
	Amend patent application
	Prepare patent office action response

Myth 1: Generative AI Tools Hallucinate

Challenge

Fear that AI generates inaccurate or false information.

Reality:

Tools like IP Author minimize hallucinations by connecting Patent Database on the back-end. Built-in prompts and structured outputs reduce ambiguity.

Outcome:

Human oversight complements AI accuracy, reducing drafting errors significantly.

Myth 2: Correcting AI Output is Too Much Work

Challenge:

Misconception that editing AI drafts takes more time than manual drafting.

Reality:

Generative AI tools provide structured starting points aligned with invention details. It gets rid of writing block.

Outcome:

Users report up to 50% time savings in the drafting process.

Myth 3: Output is Generic

Challenge:

Concern that AI drafts lack personalization and do not reflect the attorney's style.

Reality:

AI tools offer customization options for claims and terminology.
Feedback loops refine the AI to align with the user's preferences over time.

Outcome:

Attorneys retain their drafting style while significantly reducing effort.

Myth 4: Generative AI Tools Recycle Prior Art

Challenge:

Fear that AI tools reproduce prior art, risking claim validity.
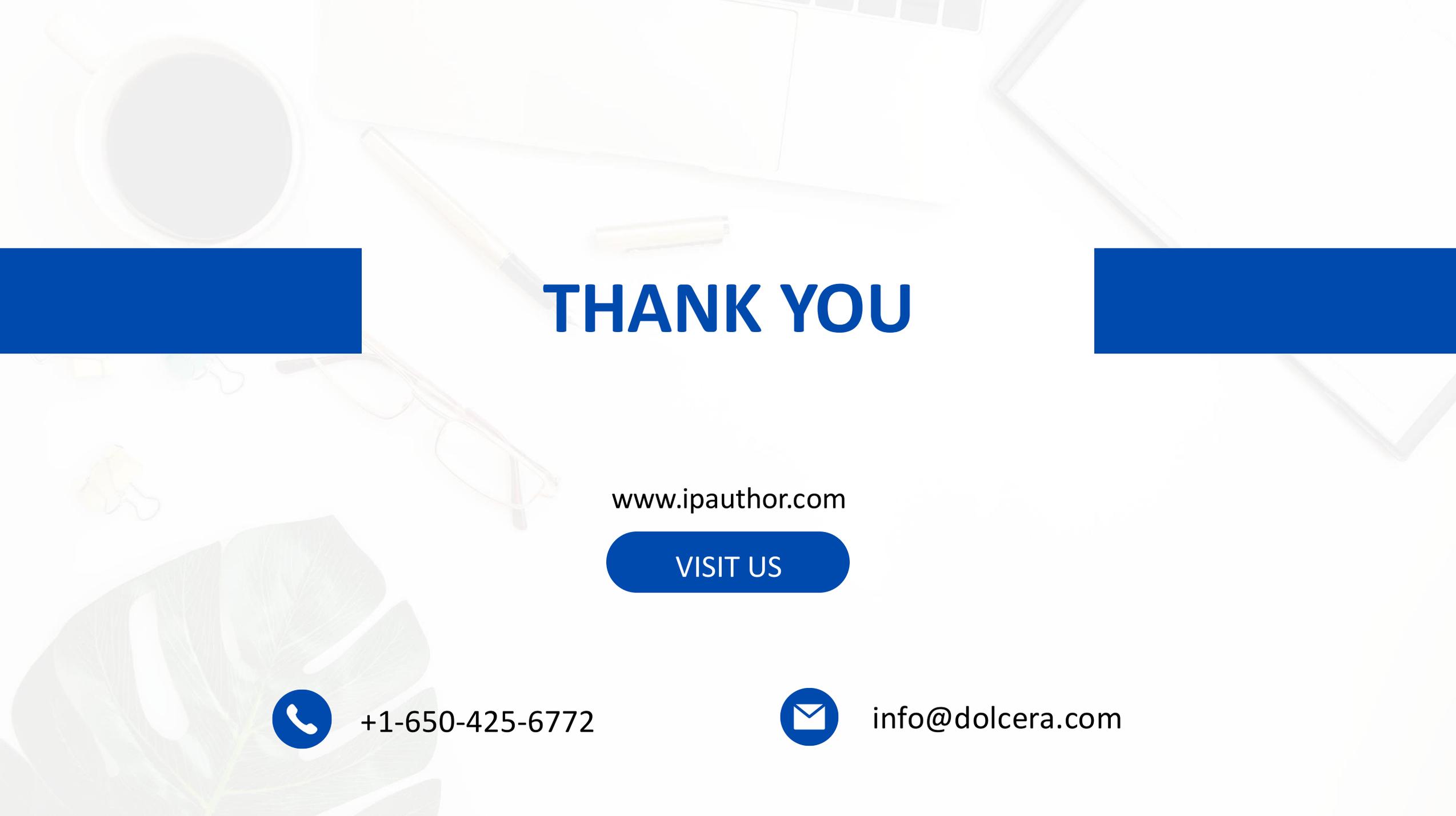
Reality:

Generative AI synthesizes original content based on input data (problem and solution of the invention as presented from the invention disclosure)

Built-in prior art comparisons for human verification prevent overlap with existing patents.

Outcome:

Ensures novelty while automating prior art checks, reducing manual overhead.

THANK YOU

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