AI Classifier

Categorize patents — on your terms

The time and resources required to manually classify patents is enormously high, and often, prohibitive. Until now, there has been no way to customize semi-automated systems, which means that users who have explored alternatives have been met with rigid, pre-defined taxonomies that don't take into account the unique needs of their business.

That's why we created Innography AI Classifier for portfolio benchmarking.

Innography AI Classifier for portfolio benchmarking uses AI technologies, such as machine learning and large language models (LLMs), to help you categorize patents at scale—and on *your* terms. It enables you to use a customized lens through which you can view your own portfolio or that of a competitor so you can study complex patent landscapes across technologies, organizations and industries—all on your own terms.

And with the analytical power of Innography, you can visualize these classifications through easy-to-understand charts and graphs tailored to your specifications.

Innography AI Classifier achieved 97% accuracy when applied to a third-party "gold standard" test dataset*

Innography AI Classifier for portfolio benchmarking helps you identify market trends, gain insights to anticipate what competitors might do, and determine where to focus R&D investment by enabling you to:

Quickly build and train a custom AI Classifier to categorize large sets of patents against your organization's unique taxonomy.

Reduce the time to classify thousands of patents from days to hours (or even minutes), allowing you to benchmark competitor portfolios more quickly.

Leverage the latest AI technology powered by machine learning and large language models (LLMs) utilizing Derwent World Patents Index data for highly precise classification.
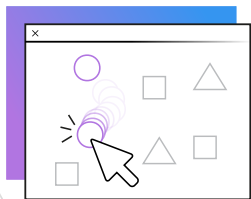
While you don't need to iteratively re-train your models over and over to get accurate results, Innography AI Classifier makes it easy for you to review your results and fine-tune your model for even better outcomes.

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Innography AI Classifier pulls its data from the Derwent World Patents Index, the world's most comprehensive database of enhanced patent documents that covers more than 130m patent publications across 60 jurisdictions— so you get accurate results.

Custom portfolio benchmarking in 4 simple steps:

01

Train your classifier using your own taxonomy (i.e. your set of categorization criteria) so the classifier understands how you'd like to classify patents.

03

Our classifier will categorize the selected group of patents based on the taxonomy you provided.

Don't have training data? Use our large language model (LLM) to classify your patents. All you need is a few example patents - or a simple English language description - to provide some guidance to AI Classifier.
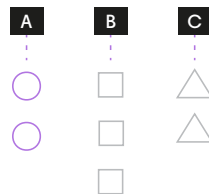
02

Select a group of patents you'd like to classify.

04

Harness the analytical power of Innography to benchmark portfolios and view results with easy-to-understand visuals, like charts and graphs.

*Test was performed by training AI Classifier on a subset of records from the "Qubit Generation for Quantum Computing" dataset developed by Patinformatics. Once trained, AI Classifier was applied to 800+ randomly selected records from the Qubit dataset, and the results were evaluated to determine accuracy. Multiple tests were performed to ensure consistent results. Results will vary when AI Classifier is applied to other datasets depending on training data and other factors.

Discover solutions at:

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