The infoPatent-classifier

Automatic Allocation of Patent Information

Reduce to a minimum the effort you constantly spend on classification and relevance checks of your patent information. Let the infoPatent-classifier module, based on leading edge text-mining technology, perform these tasks for you in a fully automated fashion, fast, reliable, and reproducible.

Key Advantages:

> Advanced semantic technology
> Highest possible automation
> Time and cost savings
> Improved accuracy
> Better reproducibility of results
> Increased quality of your patent depository

IP info**patent** classifier

Manage vast data volumes

Thanks to the **global data coverage** of infoPatent, you regularly download extensive amounts of patent data in your Monitor and Loader Jobs. To be of any use, all these patent families must now intelligently be allocated to the individual filing structure of your patent archive. You have to check, which of these families are relevant for your technology areas, and which subsection they would best fit to.

Answering these questions – especially for **larger amounts of data** – usually is a very tedious and time-consuming task. You have to individually read, comprehend, and analyze each single family in detail, in order to be able to assign a patent to its appropriate folder in the filing structure. Now the infoPatent-classifier (an optional module of the infoPatent application) can assume this extensive piece of work for you. It will read all incoming patents, and assign them to the filing structure, completely automatically.

In its classification process, infoPatent-classifier is able to handle not only patent documents but also other **Non-Patent-Literature** (invention disclosures, product descriptions, …), which you have stored in your infoPatent archive.

Intelligent, highly efficient

The infoPatent-classifier helps you to cope with the ever increasing global patent data flood in an intelligent and time-efficient manner. Due to maximum possible automation, even huge amounts

of monitor or search results can very quickly be assigned to their appropriate structure level. **This way you save time and money!**

Improving quality

In addition to time and cost savings, the fully automated classification process has the advantage of identical reproducibility. The classification process always executes on the basis of the same pre-determined rule set. So the results are independent of outer influence factors, e.g. pre-experience, comprehension, knowledge level, as they are often encountered with humans assessing patents. This potential source of errors is eliminated through the automated classification process; as a consequence, the **information quality of your patent archive increases significantly**.

The algorithm

The infoPatent-classifier is a **self-trained process**, based on advanced similarity-based text mining algorithms. As a reference for its classification, infoPatent-classifier uses the text documents contained in a filing structure, set up by the user beforehand. By means of semantic correlation measurement, the unknown incoming patent documents are compared to the reference documents, and a measure of similarity will be calculated, suggesting where a patent document would fit best into the existing filing structure.

The user indicates a threshold value for the similarity measure, which has to be

reached for a patent to be assigned to a certain structure level. Thanks to powerful indexing technology in the patent database, a typical **classification process is usually completed within seconds or a few minutes**. It can be run interactively or as a batch process

Despite this full automation, the user still has the ability of controlling the results. Even after the automatic assignment of newly incoming patents has been finished, the user can review the results and edit them, in parts or in total.

Make your decision for the infoPatent-classifier and increase efficiency and quality of your classification work!

We would be happy to show you in a free-of-charge online presentation how the infoPatent-classifier can help you with your exemplary use case!