Manually classifying patents is too painful. Cipher was created to automate the manual process of sorting, tagging and classifying patents to your view of the world.

THE CIPHER MACHINE LEARNING ALGORITHM TEST RESULTS

How did Cipher perform in the test to classify patents?

CLASSIFYING PATENTS USING MACHINE LEARNING

Cipher can classify 61 million patents in an hour because it uses machine learning.

What is machine learning?

Machine learning is a way to achieve human-like results, by training algorithms how to perform complex tasks instead of explicitly coding them.

Machine learning is everywhere today.

Gmail have stopped 99% of spam through machine learning.

WHAT IS MACHINE LEARNING?

This is what we did to test the Cipher algorithm:

1. The patents from the data sets were manually sorted
2. A small section of the data sets were used to train the Cipher algorithm, then
3. The results delivered by the Cipher algorithm were compared against the manual results.

The following criteria had to be met to deliver a robust test:

HOW TO ROBUSTLY TEST THE CIPHER MACHINE LEARNING ALGORITHM

Data is growing.

IBM says that 90% of the world’s data has been created in the last 2 years.

There are 89 million patents in the world.

In 2019, 3.8 million new patents were filed.

How can you know what patents are relevant to you?

Whether you are trying to understand the competitive landscape, benchmark against it, review your portfolio, explore monetisation options or perform due diligence. It’s unrealistic to be able to read them all to find out.

Cipher can help.

"Under robust testing the Cipher algorithm to classify patents performs out of a data set of 300, 100 of the patents were relevant and 200 were not related. Cipher sorted and classified these patents and got it 96% right."