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.

Cipher can classify 62 million patents in an hour because it uses machine learning.

How can we trust the machine? How can we see if the Cipher Machine Learning algorithm performs when classifying patents?...

We need to test it.

HOW CAN YOU BE SURE MACHINE LEARNING WORKS TO CLASSIFY PATENTS?

- Independent – the manual sorting of the patent data sets was done by an independent consultant
- Scope – the data sets used needed to be specific in their scope
- Difference – data sets from two completely different industries were tested
- Challenging – the data matter had to be hard to classify
- Size of the data sets – it had to be big enough

Test criteria

MACHINE LEARNING

Detecting cancer cells
Image recognition
Social Media – Friend suggestions
Siri or Alexa
Classifying patents
Fraud detection
Recommending products to buy online
Predicting traffic on your commute
Targetted Advertising

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.

Your own classifiers /uni2192

The machine works – find out how you can use it for Strategic Patent Intelligence. Speak to one of our Cipher team today.