Use of AI for examination of patent applications

SCP 31

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Background

- Regulators Pioneer Fund – to help address barriers to innovation

- UK IPO using fund to explore AI solutions that could enhance and modernise the filing process for IP rights
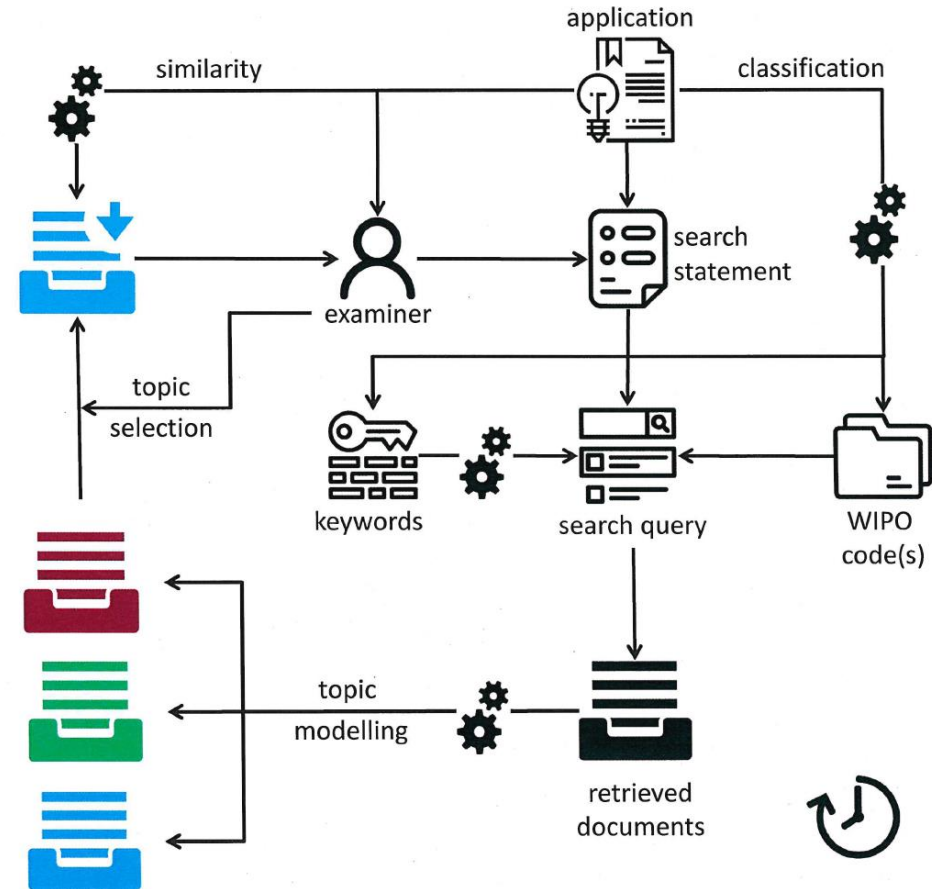
Projects

- AI assisted patent prior art searching

- AI for recognition of earlier trade marks and/or designs

AI assisted prior art searching

- Feasibility study being conducted by Cardiff University

- AI algorithm to:
  - Read application text
  - Scan patent databases
  - Determine top 50 most relevant documents

AI assisted prior art searching

- Algorithm keeps 'human-in-the-loop' to utilise expertise and experience of patent examiners

- 3 technology sectors based on highest search volumes
  - Computing
  - Civil engineering
  - Transport

AI assisted prior art searching

- Algorithm tested by examiners in October 2019
  - Quality of algorithm
  - Relevance of search results

- Results of testing will lead to research paper presented to UK IPO in December 2019

Thank you

- For further information or to share experiences, please contact:

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