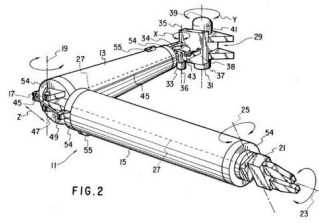


ML Enabled Text Summarization

Using AI to automate the patent drafting process

Problem

Creating an abstract from patent claims is a time-consuming and tedious process, which requires manual effort.

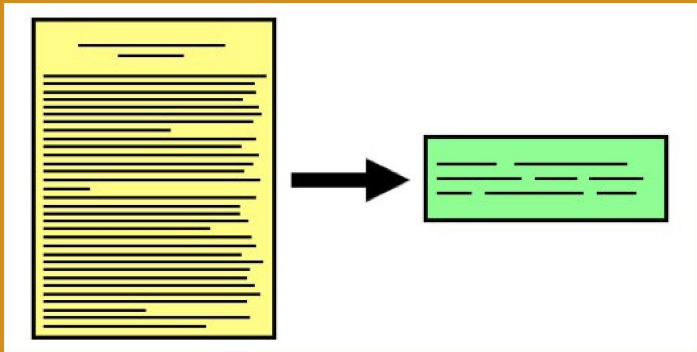


Value Proposition

Our model generates meaningful abstract from claims in patent applications, helping patent attorneys save time and effort.

Text Summarization

Long pages of text



Generate abstract.

Our Approach

Define problem statement

Research Methodologies

Clean data and conduct EDA

Develop Models

Recommend Model



Solution Models

ROGUE-1

65.73

PageRank

This method identifies important sections from the text and generates abstract.

ROGUE-1

56.50

Long ShortTermMemory (LSTM)

This method takes a sequence of text as input, remembers the sequence of text and predicts the next.

ROGUE-1

62.82

Text to text transform transformer (T5)

We fine-tuned T-5 model with our data to generate abstracts.

Project Sponsor

RowanTELS provides technology enabled legal services(TELS) and incorporates AI, ML and NLP to deliver end to end solutions.



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