

# A topical search of similar cases in the collection of the arbitral tribunal acts\*

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This scientific work seeks to examine the task of informational retrieval in the collection of the arbitral tribunal acts. As a query to the search engine any document from the collection can be used. As a response to a search query a list of documents from the collection, ranked by descending relevance, is generated. To deal with this issue with a help of the open source library BigARTM a topic model of the collection of the arbitral tribunal acts was built. In the process of building the model the field specifics were taken into account: the modality of links to legal and regulatory acts and the modality of legal terms automatically selected by using TopMine algorithm were added.

**Key words:** *LegalTech, BigARTM, topic modeling, additive regularization for hierarchical multimodal topic modeling.*

## 1 Introduction

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\*Task was assigned by Vorontsov K. Research consultant: Artemova E.