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SAO extraction on patent discovery system development for Islamic Finance and Banking

(Conference Paper)

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Abstract

This paper presents our work on Subject-Action-Object (SAO) extraction as one component needed on patent discovery system development for Islamic Finance and Banking. There are some processes done in order to conduct SAO extraction. They are covering retrieving patents and transforming patents into structured data. We used several patent databases such as USPTO, MyIPO, WIPO, and EPO to collect patents. In patent searching, we used keywords, which were derived from Islamic Finance and Banking phrase, book's title, of which its content is related to Islamic Finance and Banking, and all concepts on Islamic Finance and Banking ontology. Result on SAO extraction will be utilized on the next component on the system i.e. analyzing patents trend using TRIZ evolution trend model. © 2016 IEEE.

Author keywords

Islamic Finance and Banking; Patent discovery system; SAO extraction

Indexed keywords

Engineering controlled terms: Extraction; Finance; Metadata

Discovery systems; Evolution trend; Islamic finances; Patent database; Patent searching; Structured data; Subject action object (SAO)

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