



The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure

Title:

An Associative Internet/Intranet Search Engine

CUHK Ref. No.:

97/ENG/021

Inventor:

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Patent Status:

- ◆ US Patent no. 6,128,613
- ◆ Chinese Patent no. ZL 98 102672.9
- ◆ HK Standard Patent no. HK1020096

Non-confidential abstract:

A computer-based method and system for establishing topic words to represent a document, the topic words being suitable for use in document retrieval. The method includes determining document keywords from the document; classifying each of the document keywords into one of a plurality of preestablished keyword classes; and selecting words as the topic words, each selected word from a different one of the preestablished keyword classes, to minimize a cost function on proposed topic words. The cost function may be a metric of dissimilarity, such as cross-entropy, between a first distribution of likelihood of appearance by the plurality of document keywords in a typical document and a second distribution of likelihood of appearance by the plurality of document keywords in a typical document, the second distribution being approximated using proposed topic words. The cost function can be a basis for sorting the priority of the documents.

For further queries, please contact:

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