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# United States Patent [19]

Damashek

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[54] METHOD OF RETRIEVING DOCUMENTS THAT CONCERN THE SAME TOPIC

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Related U.S. Application Data

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[51] Int. Cl.[6] ..... G06F 7/00

[52] U.S. Cl. ..... 395/600; 364/DIG. 1; 364/DIG. 2

[58] Field of Search ..... 395/600; 364/DIG. 1, 364/DIG. 2

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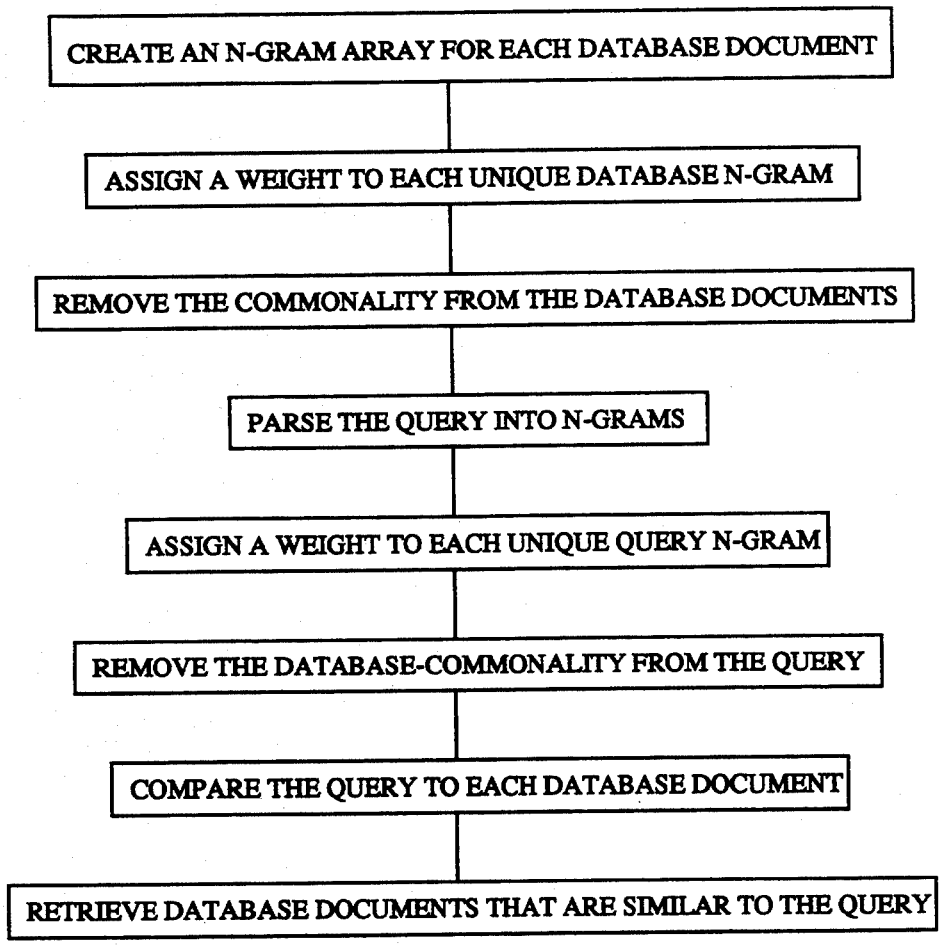
[57] ABSTRACT

A method of identifying, retrieving, or sorting documents by language or topic involving the steps of creating an n-gram array for each document in a database, parsing an unidentified document or query into n-grams, assigning a weight to each n-gram, removing the commonality from the n-grams, comparing each unidentified document or query to each database document, scoring the unidentified document or query against each database document for similarity, and based on the similarity score, identifying retrieving, or sorting the document or query with-respect to language or topic.

10 Claims, 11 Drawing Sheets