

Title (en)

DATA ORGANIZATION AND ACCESS FOR MIXED MEDIA DOCUMENT SYSTEM

Title (de)

DATENORGANISATION UND ZUGANG FÜR EIN MISCHMEDIENDOKUMENTSYSTEM

Title (fr)

ORGANISATION DES DONNEES ET ACCES AUX DONNEES POUR SYSTEMES DE DOCUMENTS MULTIMEDIA MIXTES

Publication

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Application

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Abstract (en)

[origin: WO2007023993A1] A Mixed Media Reality (MMR) system and associated techniques are disclosed. The MMR system provides mechanisms for forming a mixed media document that includes media of at least two types (e.g., printed paper as a first medium and digital content and/or web link as a second medium). In one particular embodiment, the MMR system includes a content-based retrieval database configured with an index table to represent two-dimensional geometric relationships between objects extracted from a printed document in a way that allows look-up using a text-based index. A ranked set of document, page and location hypotheses can be computed given data from the index table. The techniques effectively transform features detected in an image patch into textual terms (or other searchable features) that represent both the features themselves and the geometric relationship between them. A storage facility can be used to store additional characteristics about each document image patch.

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