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(71) Applicant *(for all designated States except US)*: ORI SOFTWARE DEVELOPMENT LTD. [IL/IL]; Yavetz Street 30, 65258 Tel Aviv (IL).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: SHADMON, Moshe [IL/IL]; Lunz Street 15, 65221 Tel Aviv (IL).

(74) Agent: REINHOLD COHN AND PARTNERS; P.O. Box 4060, 61040 Tel Aviv (IL).

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(54) Title: DATABASE APPARATUS

(57) Abstract

A database file management system for accessing data records is being executed on data processing system, the data records are linked to a trie index that is arranged in blocks (402, 405, 406 and 407) and being stored in a storage medium. The trie index (A, B and I, element 402) enables accessing or updating the data records by key or keys and being susceptible to an unbalanced structure of blocks. There is provided a method for constructing a layered index arranged in blocks, which includes the steps of providing the trie index and constructing a representative index over the representative keys of the trie index. The layered index enables accessing or updating the data records by key or keys and it constitutes a balanced structure of blocks.