

Abstract of the Disclosure
METHOD AND APPARATUS FOR MANAGING ELECTRONIC DATA
WITH VARIABLE LENGTH

A method and apparatus employing modified-btree for managing different types of electronic data with variable length in a computer system disclosed. The modified-btrees include a system tree, a find tree, and a sort tree. The system tree is used to manage the data length and file address of each record in a database. The find tree is used to store and manage the result of search process. The sort tree is used to manage the result of record sorting. The data management apparatus comprises a record management device, a search control device, a sort control device, a modified-btree management device, a node management device and an output device for rapidly searching and sorting the desired record in the database having electronic data with variable length.

Fig. 1