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ABSTRACT

ERROR RECOVERY DATA STORAGE SYSTEM AND METHOD

A direct access storage device (DASD) system uses a read/write head having a wide transducer write element and a narrow magneto-resistive read element. In order to avoid mistakenly reading a incompletely erased old data field, the system uses a verification procedure. The data is read at two positions along the data track which are separated by a radial distance D. This distance D is selected to be greater than the width of any incompletely erased data record. If the data read at the two read positions is equal, then the data is deemed to be correct and is sent to a host system 70.

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