

Title (en)

METHOD FOR DETECTING TRANSIENT WRITE ERRORS IN A DISK DRIVE AND FOR DIFFERENTIATING TRANSIENT WRITE ERRORS FROM PERMANENT MEDIA DAMAGE

Title (de)

VERFAHREN ZUR ERKENNUNG VON VORÜBERGEHENDEN SCHREIBFEHLERN IN EINEM PLATTENLAUFWERK UND ZUR UNTERSCHIEDUNG ZWISCHEN VORÜBERGEHENDEN SCHREIBFEHLERN VON PERMANENTEN MEDIENSCHADEN

Title (fr)

PROCEDE PERMETTANT DE DETECTER DES ERREURS EN ECRITURE PASSAGERES DANS UN LECTEUR DE DISQUE ET DE DIFFERENCIER LES ERREURS EN ECRITURE PASSAGERES DES DETERIORATIONS DEFINITIVES DU SUPPORT

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Application

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Abstract (en)

[origin: WO0127924A1] Methods are provided for detecting transient write errors based on difficulty in reading pre-recorded information on a disk such as servo marks, ID marks, etc. In the event of such a difficulty, the disk drive will automatically read the data it just wrote. If errors were encountered during this write process, the disk drive will either rewrite the data or report errors to the host system which will in most cases issue a rewrite operation. The methods also distinguish between transient errors and permanent media damage and reallocate permanent disk damages to prevent further loss.

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