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METHOD FOR PROCESSING DEFECTIVE SECTORS IN A DISK STORAGE DEVICE, AND A DISK STORAGE DEVICE

Abstract

A method for processing a defective sector in a disk storage device, and such a disk storage device which can avoid instantaneous performance degradation as much as possible. A predetermined check is executed (S3) related to a function of the disk storage device (Fig. 2), including a read test, a write servo test and a write test, when the disk storage device (Fig. 2) is in a waiting state where the disk storage device (Fig. 2) has no access from a host. The read test and write servo test are used to search for a defective sector on a disk and reassign the defective sector, and the write test is used to indicate an abnormal condition of a head. Furthermore, the disk storage device (Fig. 2) includes a detector for detecting the waiting state, and a check logic for executing a predetermined check.

Fig. 1.

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