

METHOD AND APPARATUS FOR PREDICTING RECOVERY TIME AND HARD DISK DRIVE

ABSTRACT

A method and an apparatus for predicting a power supply recovery time to speed up the processing of a whole system provided with a hard disk drive. When a host system requests a hard disk drive (HDD) in a stand-by state to exit the stand-by state (51) a power supply recovery time is predicted (52). The recovery time is a time required until the hard disk drive is restored to a usable state from the stand-by state. Then, the predicted recovery time of a power supply is reported to the host system (53). The host system can schedule a task to complete within the recovery time so that the task is executed before the hard disk drive is restarted. Scheduling of all the tasks in the whole system can thereby be optimized and it is possible to speed up the processing in the system.

Fig 1