

METHOD AND APPARATUS FOR ACCESSING FLASH MEMORY DEVICE

ABSTRACT

Embodiments of the present invention provide a method and an apparatus for accessing a flash memory device, so as to optimize access efficiency of a flash memory device. The method includes: receiving, by a storage controller, an access request; obtaining, by the storage controller, historical access information of a to-be-accessed storage area, where the historical access information includes a historical access type of the to-be-accessed storage area, and an access type of access to a flash memory device includes a write operation and a read operation; and performing, by the storage controller, an access operation on the to-be-accessed storage area according to the historical access information and an access type of the access request. Data is classified into three types: read-only data, write-only data, and cross-access data, and the three types of data are distinguished from one another by using historical access information and an access type of a current access request, thereby increasing a read speed of read-only data, increasing a write speed of write-only data, and improving overall access efficiency of a flash memory device.

Fig. 6