

DATA PROCESSING METHOD AND APPARATUS, AND FLASH DEVICE

ABSTRACT

Embodiments of the present invention provide a data processing method and apparatus, and a flash device. The method includes: receiving an operation instruction sent by a host, performing, according to the operation instruction, an operation on data stored in the flash device, and determining a size of data that is obtained after the operation and that is saved in the flash device by a user; determining a target over provisioning level according to the size of the data that is obtained after the operation and that is saved in the flash device by the user and an interval that is of a user storage space capacity and that is corresponding to each over provisioning level; determining a target adjustment parameter according to the target over provisioning level and a correspondence between each over provisioning level and an adjustment parameter; and adjusting an over provisioning space capacity of the flash device according to the target adjustment parameter. According to the embodiments of the present invention, an over provisioning ratio can be dynamically adjusted, reliability and performance stability of a flash device can be improved, and a service life of the flash device can be prolonged.

Fig. 4