

ABSTRACT

A storage device includes a descramble module configured to descramble at least a portion of a read command, which includes logical block address (LBA) information and first meta information, into first signature information and first physical address (PA) information, for accessing a flash memory. A compare module is provided, which is configured to compare the first signature information against stored signature information to thereby determine an equivalency or discrepancy there between. An access module is provided, which is configured to use the first PA information to access a data region of the flash memory, upon determination of the equivalency by said compare module.

FIG. 2