

METHODS OF OPERATING MEMORY SYSTEM, MEMORY SYSTEMS, AND STORAGE MEDIUM

ABSTRACT

The present disclosure provides a method for operating a memory system, a memory system and a storage medium. The method includes: providing a logical block management table, wherein the logical block management table includes a first sequence corresponding to identities of M first logical blocks, the identities of the M first logical blocks are constructed as a ring queue, and allocation states of the M first logical blocks are managed through the logical block management table, wherein M is an integer greater than or equal to 2; and allocating, according to an order of the identities of the M first logical blocks in the ring queue, one first logical block whose allocation state is a first state representing an unallocated state to one second logical block among N second logical blocks, wherein N is an integer greater than M, and updating the allocation state of the first logical block in the logical block management table from the first state to a second state representing an allocated state.

(FIG. 5)