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(54) **Title:** OPERATION METHOD FOR MEMORY SYSTEM, MEMORY SYSTEM AND STORAGE MEDIUM

(54) 发明名称: 存储器系统的操作方法、存储器系统及存储介质

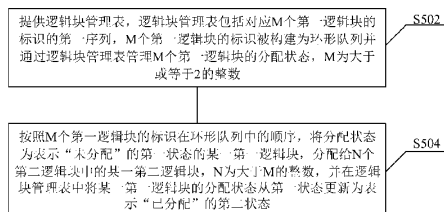


图 5

S502 Provide a logic block management table, the logic block management table comprising a first sequence corresponding to identifiers of M first logic blocks, the identifiers of the M first logic blocks being constructed as a ring queue, allocation states of the M first logic blocks being managed by means of the logic block management table, and M being an integer greater than or equal to 2

S504 According to the sequence of the identifiers of the M first logic blocks in the ring queue, allocate a certain first logic block having an allocation state being a first state representing "unallocated" to a certain second logic block among N second logic blocks, N being an integer greater than M, and update in the logic block management table the allocation state of the certain first logic block from the first state to a second state representing "allocated" (S504)

(57) **Abstract:** An operation method for a memory system, a memory system and a storage medium, the method comprising: providing a logic block management table, the logic block management table comprising a first sequence corresponding to identifiers of M first logic blocks, the identifiers of the M first logic blocks being constructed as a ring queue, allocation states of the M first logic blocks being managed by means of the logic block management table, and M being an integer greater than or equal to 2 (S502); and, according to the sequence of the identifiers of the M first logic blocks in the ring queue, allocating a certain first logic block having an allocation state being a first state representing "unallocated" to a certain second logic block among N second logic blocks, N being an integer greater than M, and updating in the logic block management table the allocation state of the certain first logic block from the first state to a second state representing "allocated" (S504).

(57) 摘要: 一种存储器系统的操作方法、存储器系统及存储介质, 包括: 提供逻辑块管理表, 逻辑块管理表包括对应M个第一逻辑块的标识的第一序列, M个第一逻辑块的标识被构建为环形队列并通过逻辑块管理表管理M个第一逻辑块的分配状态, M为大于或等于2的整数 (S502); 以及按照M个第一逻辑块的标识在环形队列中的顺序, 将分配状态为表示未分配的第一状态的某一第一逻辑块, 分配给N个第二逻辑块中的某一第二逻辑块, N为大于M的整数, 并在逻辑块管理表中将某一第一逻辑块的分配状态从第一状态更新为表示已分配的第二状态 (S504)。

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