

METHODS, APPARATUSES, AND ELECTRONIC DEVICES FOR EVICTING MEMORY BLOCK IN CACHE

ABSTRACT

Embodiments of this specification provide methods, apparatuses, and electronic devices for
5 evicting a memory block in a cache, and pertain to the field of data storage technologies. The
method for evicting a memory block in a cache includes: determining a temperature index value
of the memory block in the cache, where the memory block is a storage unit of the cache;
determining, based on the temperature index value of the memory block in the cache, a to-be-
evicted memory block that needs to be cleared in the cache; migrating a target element in the to-
10 be-evicted memory block to a target memory block in the cache, where the target memory block
is a memory block that is retained in the cache and whose available storage space is greater than
storage space needed by the target element; and deleting the to-be-evicted memory block from the
cache.

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[Fig. 1]