

ABSTRACT

The present application provides a write copying method, a processor core, a storage controller, and a computer system and device. The method includes: initiating a write operation, where the write operation indicates a write address and write data;
5 determining whether existing a target address range that matches the write address in an address range indicated by a mirror address table; where the mirror address table indicates at least one address range where write copying is allowed, and indicates a mirror address corresponding to each address range; types of storages pointed to by the address range and the mirror address are the same or different; if the target address
10 range exists, determining, according to a target mirror address corresponding to the target address range, a destination address of a copy write operation; where types of storages pointed to by the write address and the destination address are the same or different; generating, according to the destination address, the copy write operation; issuing the write operation and the copy write operation. Embodiments of the present
15 application can achieve the write copying for the write operation initiated by the processor core, and reduce the usage limitations of the write copying.

Fig. 4