ABSTRACT

MEMORY PAGING METHOD AND SYSTEM, AND STORAGE MEDIUM

Embodiments of the present application provide a memory paging method and system, and a storage medium. In the embodiments of the present application, for an IOMMU which does not support Page fault, a VMM may determine a GPA needing page update, and determine a first HPA corresponding to the GPA from a page table stored in the IOMMU of a host; determine a second HPA for replacing the first HPA from idle physical addresses stored in a host memory; further, copy data stored in the first HPA to the second HPA; and update a HPA that corresponds to the GPA needing update and is recorded in the page table of the IOMMU to the second HPA, and thus, page table replacement is implemented for the IOMMU which does not support Page fault.

Figure 2