METHOD ~~AND SYSTEM~~ FOR REFRESHING DYNAMIC RANDOM ACCESS MEMORY ~~DRAM~~ AND ~~DEVICE~~A COMPUTER SYSTEM

ABSTRACT

~~Embodiments of the present invention provide a~~ A method ~~and system~~ for refreshing a dynamic random access memory DRAM~~,~~ and a ~~device~~computer system are provided. When ~~A~~an address of a refresh unit in a DRAM and refresh information of the refresh unit are acquired, the address of the refresh unit and the refresh information of the refresh unit are encapsulated as a DRAM access request, where the refresh unit is storage space on which one time of refresh is performed in the DRAM, and the refresh information of the refresh unit includes a refresh cycle of the refresh unit.~~;~~ ~~and the address of the refresh unit and the refresh information of the refresh unit are encapsulated as a DRAM access request, and~~ Then, the address ~~of the refresh unit~~ and the refresh information of the refresh unit are written into refresh data space ~~by using~~using the DRAM access request, where the refresh data space is storage space that is preset in the DRAM and that is used for storing an address of at least one refresh unit and refresh information of the at least one refresh unit. ~~According to the foregoing solutions, pertinent refreshing can be performed according to refresh information of a refresh unit, so as to resolve a problem of relatively large performance overheads and energy-consumption overheads caused by refresh performed according to a same cycle.~~

FIGURE 2A