ABSTRACT

This application provides a remote memory call method, a network interface card, an electronic device, and a storage medium. After obtaining a memory access request from a first computing device, an intermediate device searches for a memory address of borrowed memory of a second computing device, accesses the memory address of the borrowed memory, forwards the memory access request to the second computing device through a target transmission link corresponding to the borrowed memory, and forwards a processing result of the borrowed memory of the second computing device for the memory access request to the first computing device. As can be learned, the borrowed memory can be allocated from the second computing device to the first computing device, and data processing for the first computing device can be implemented by accessing the borrowed memory of the second computing device. Through flexible allocation of memory between the computing devices, a processing capability of the first computing device is improved, which is equivalent to increasing the upper limit of memory available to the first computing device that has a borrowed-memory requirement, and the memory costs of the computing devices can be reduced.

Fig. 1