ABSTRACT

A method for implementing timer processing in RDMA, comprising the steps of: receiving an RDMA message generated by a host and generating a timeout-time node, and, if a timeout time of the timeout-time node does not exceed a preset threshold, determining for the timeout-time node a corresponding time wheel in a shared time wheel group and a corresponding timeout-time scale; determining whether an idle node exists in a storage unit corresponding to the shared time wheel group; if so, applying for an idle node to store node content of the timeout-time node, and linking the idle node into a determined linked list for an RDMA engine to perform determination of timeout; and, if the timeout time exceeds the preset threshold or if no idle node exists in the storage unit, informing the host about the timeout-time node by means of an event queue.

Fig. 2