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(54) Title: PACKET RETRANSMISSION METHOD AND APPARATUS

(54) 发明名称: 一种报文重传方法和装置

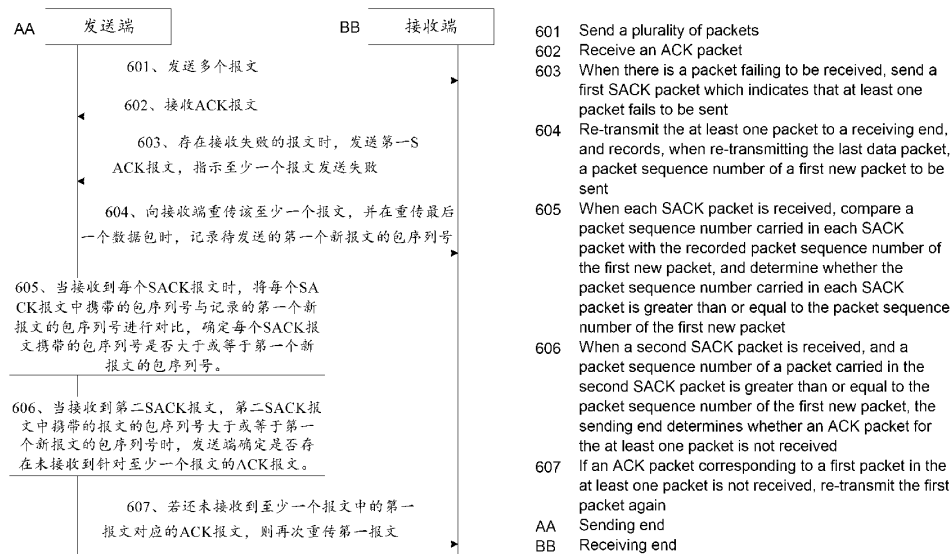


图 6

(57) Abstract: Embodiments of the present application relate to the technical field of chips. Disclosed are a packet retransmission method and apparatus, solving the problem of long retransmission delay caused by untimely packet retransmission. The method comprises: a sending end receives a first selective acknowledgement (SACK) packet from a receiving end, the first SACK packet indicating that at least one packet in packets sent by the sending end to the receiving end fails to be sent; the sending end re-transmits at least one packet to the receiving end, and records, when re-transmitting the last packet in the at least one packet, a packet sequence number of a

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first new packet to be sent by the sending end; when the sending end receives a second SACK packet, a packet sequence number of a packet carried in the second SACK packet is greater than or equal to the packet sequence number of the first new packet, if the sending end does not receive an ACK packet corresponding to a first packet in the at least one packet, the sending end re-transmits the first packet to the receiving end again. The method and apparatus of the embodiments of the present application are used for performing packet retransmission in RDMA.

(57) 摘要: 本申请实施例公开了一种报文重传方法和装置, 涉及芯片技术领域, 解决了报文重传不及时导致的重传时延大的问题。其方法包括: 发送端接收来自接收端的选择性应答第一SACK报文, 第一SACK报文指示发送端向接收端发送的报文中的至少一个报文发送失败; 发送端向接收端重传至少一个报文, 并在重传至少一个报文中最后一个报文时, 记录发送端待发送的第一个新报文的包序列号; 当发送端接收到第二SACK报文, 第二SACK报文中携带的报文的包序列号大于或等于第一个新报文的包序列号时, 若发送端还未接收到至少一个报文中的第一报文对应的ACK报文, 则发送端再次向接收端重传第一报文。本申请实施例用于在RDMA中进行报文重传。