~~SYSTEM FOR EFFICIENT RECOVERY OF NODE-B BUFFERED DATA FOLLOWING MAC LAYER RESET~~A METHOD FOR USE A RADIO NETWORK CONTROLLER (RNC) AND RADIO NETWORK CONTROLLER

Abstract

A method and system for the UE and RNC to reduce transmission latency and potentially prevent loss of PDUs upon a MAC layer reset. UE generation of the status PDU is coupled with the MAC layer reset. The RNC generates a message with a MAC reset indication. Following the MAC layer reset all PDUs stored in the UE MAC layer reordering buffers are flushed to RLC entities and then processed by RLC entities prior to the generation of a PDU status report. The PDU status report provides to the RNC the status of all successfully received PDUs. Upon reception of a PDU status report in the RNC, missing PDUs are realized and retransmitted to the UE.

Figure 2