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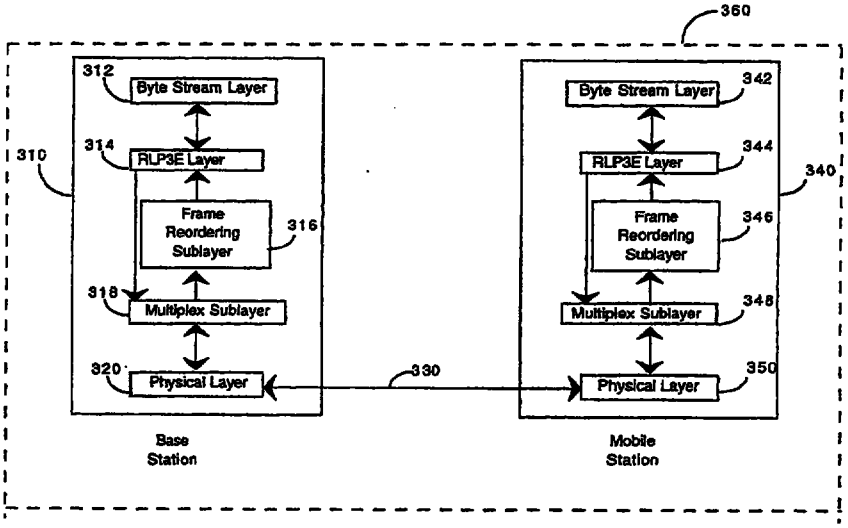
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(54) Title: RADIO LINK PROTOCOL FRAME SORTING MECHANISM FOR DYNAMIC CAPACITY WIRELESS DATA CHANNELS



(57) Abstract: A method and system that prevents RLP3E from generating unnecessary NAKs, thus preventing unnecessary data frame retransmissions. A mechanism is interposed between the multiplex sublayer and the RLP3E layer for all incoming traffic. The frame reordering sublayer (346), reorders the received packets into the order in which they were transmitted prior to delivering them to the RLP3E layer (344). The frame reordering sublayer (346) reorders frames received by the multiplex sublayer by determining the order in which physical layer frames were transmitted by its peer, and by buffering each received frame until all frames transmitted prior to it have been received.

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