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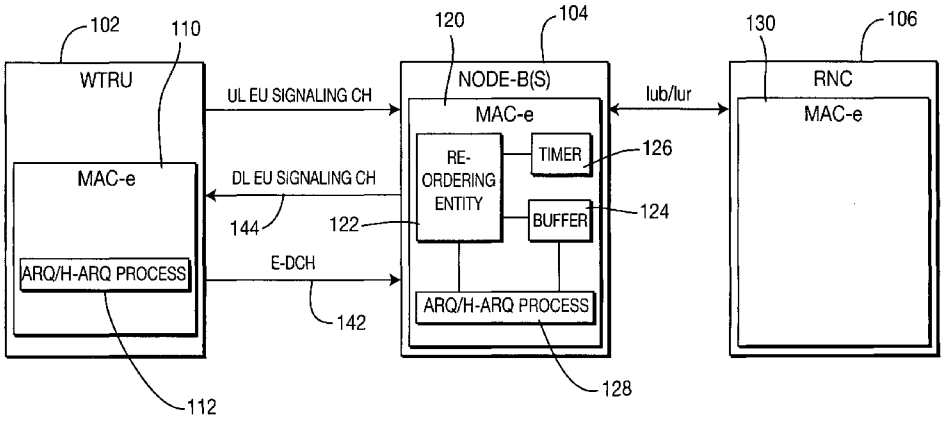
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(54) **Title:** METHOD AND APPARATUS FOR FORWARDING NON-CONSECUTIVE DATA BLOCKS IN ENHANCED UPLINK TRANSMISSIONS



SYSTEM 100

(57) **Abstract:** A method and apparatus for forwarding non-consecutive data blocks in enhanced uplink (EU) transmissions. A wireless transmit/receive unit (WTRU) and one or more Node-Bs include one or more automatic repeat request (ARQ)/hybrid-ARQ (H-ARQ) processes for supporting an enhanced dedicated channel (E-DCH). Data blocks transmitted by the WTRU are re-ordered in a re-ordering entity located in the Node-B(s) or a radio network controller (RNC). Once a missing data block is identified, a data forwarding timer in the Node-B(s) or RNC is initiated and subsequent WTRU transmissions are monitored to determine whether the missing data block has been discarded by the WTRU. Upon recognition of the discard of the missing data block, the non-consecutive data blocks are forwarded to higher layers.

WO 2005/112357 A2

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