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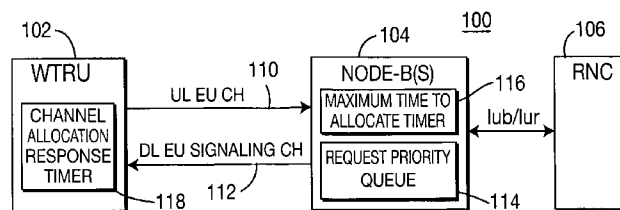
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(54) Title: METHOD AND APPARATUS FOR MINIMIZING REDUNDANT ENHANCED UPLINK ALLOCATION REQUESTS AND FAULT-ISOLATING ENHANCED UPLINK TRANSMISSION FAILURES



(57) Abstract: A method and apparatus for minimizing redundant enhanced uplink (EU) allocation requests and fault-isolating EU transmission failures that occur between a wireless transmit/receive unit (WTRU) and a Node-B. The WTRU transmits an enhanced dedicated channel (E-DCH) allocation request to the Node-B over an uplink (UL) EU channel. In one embodiment, if E-DCH allocation cannot be provided within a predetermined time period, the Node-B sends an acknowledgement message to the WTRU via a downlink (DL) EU signaling channel without sending E-DCH allocation information. The request is queued in the Node-B and the WTRU refrains from transmitting the same request until after the time period expires or resources become available. In another embodiment, appropriate actions are taken to correct EU transmission failures by determining whether an E-DCH allocation request was unsuccessfully delivered via the UL EU channel or whether channel allocation information was unsuccessfully delivered via the DL EU signaling channel.

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