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(54) **UTILIZING HARQ FOR UPLINK GRANTS RECEIVED IN WIRELESS COMMUNICATIONS**

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CPC **H04L 1/1822** (2013.01); **H04L 1/1657** (2013.01); **H04L 1/1812** (2013.01); **H04L 1/1829** (2013.01); **H04L 1/1896** (2013.01)

(58) **Field of Classification Search**

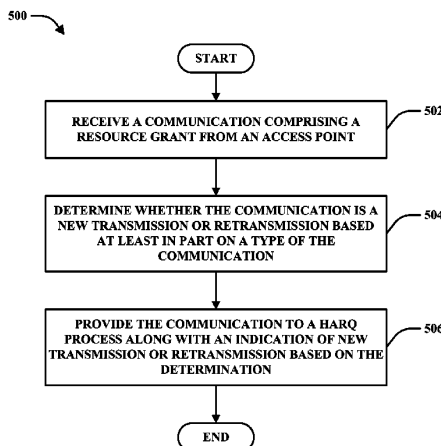
None

See application file for complete search history.

ABSTRACT

Systems and methodologies are described that facilitate utilizing hybrid automatic repeat/request (HARQ) in system access communications. A HARQ entity is provided that manages a plurality of HARQ processes, which can typically use new data indicators (NDI) to determine when received data is a new transmission or retransmission. For resource grants, the HARQ entity can determine whether the communication is a new transmission or retransmission based on the type of message that contains the grant. In addition, an address comprised within the message, a previous use of the HARQ process, and/or the like can further be utilized to determine whether the message is a new transmission or retransmission. Once determined, the HARQ entity can provide the message to the appropriate HARQ process along with the indication of new transmission or retransmission.

23 Claims, 11 Drawing Sheets



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G06F 11/00 (2006.01)
G08C 25/02 (2006.01)
H04L 1/18 (2006.01)
H04L 1/14 (2006.01)

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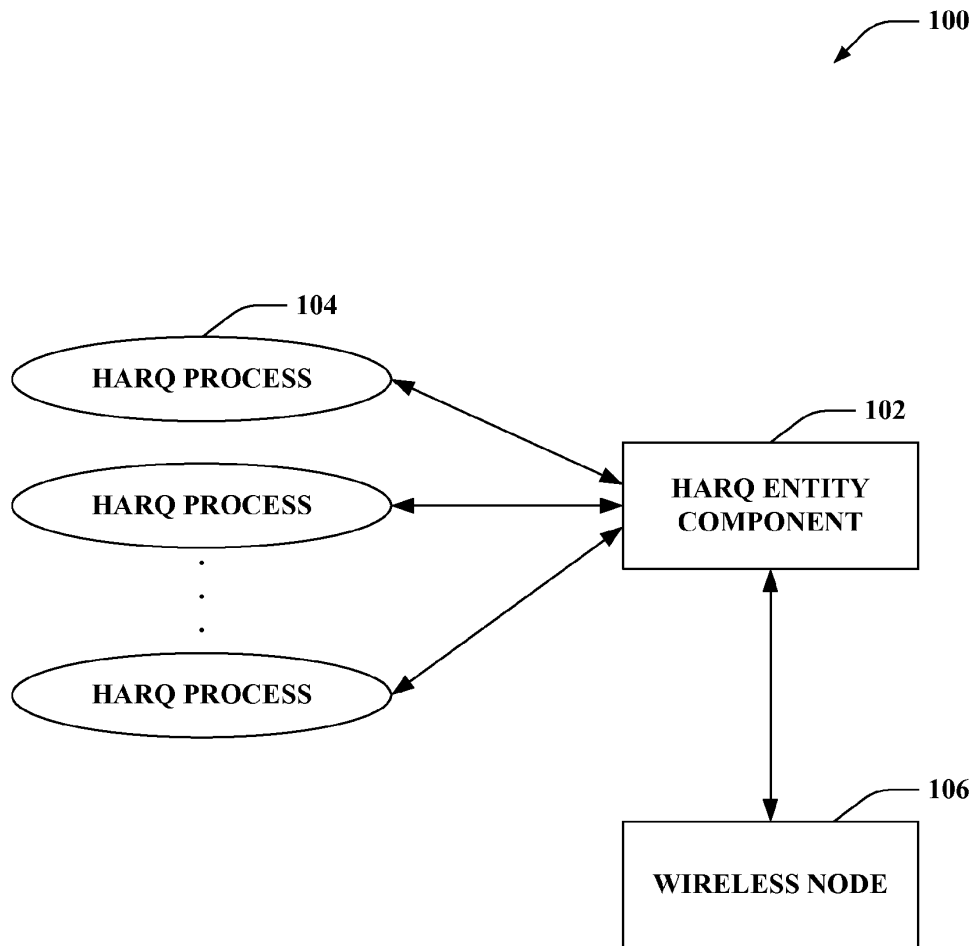


FIG. 1

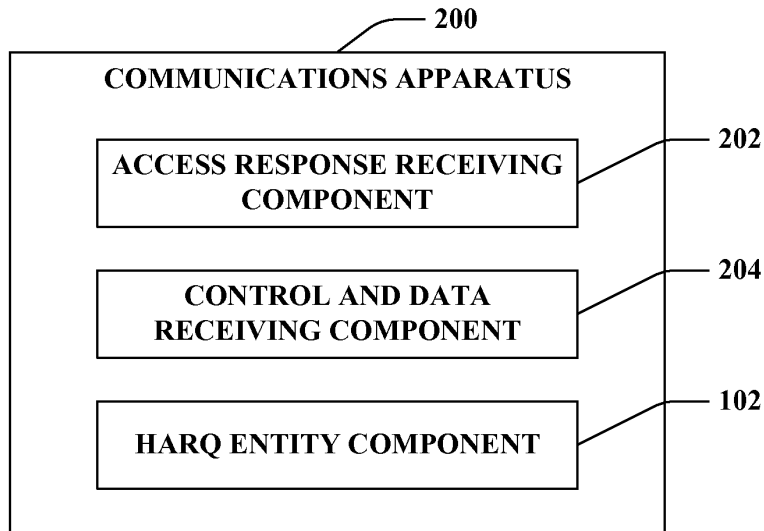


FIG. 2

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