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(54) Title: UPLINK POWER HEADROOM MEASUREMENT DELIVERY AND RECEPTION FOR E-DCH IN CELL_FACH

(57) Abstract: Systems and methodologies are described that facilitate reporting an uplink power headroom (UPH) during an E-DCH transmission in a CELL_FACH state. Transmitting PRACH preamble upon receipt of AICH, evaluating a transmitted power level for a UE prior to transmitting on E-DCH. For a E-DCH transmission, a reduced measurement period can be utilized in order to report a UPH measurement. In particular, the reduced measurement period can be less than 100 milliseconds. The UPH measurement can be communicated based upon receipt of AICH/E-AICH and transmission of DPCCH for a configurable number of radio frames. The UPH measurement can be based upon the transmitted power prior to actual data transmission. Additionally, the UPH measurement can be included within scheduling information portion of a MAC header.

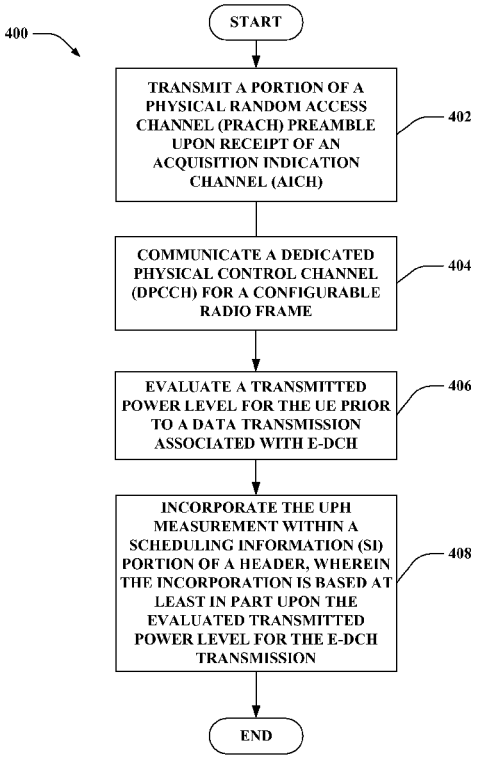


FIG. 4

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