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(54) Title: METHOD AND APPARATUS FOR RADIO LINK SYNCHRONIZATION AND POWER CONTROL IN CELL_FACH AND IDLE MODE

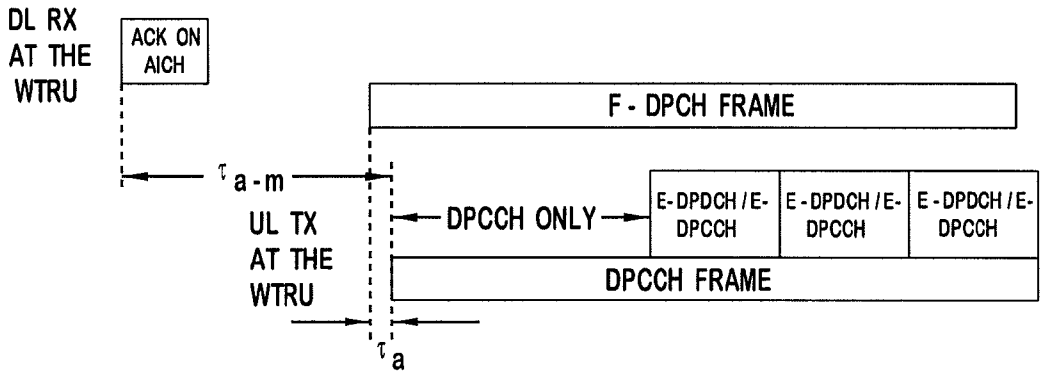


FIG. 9

(57) Abstract: A method and apparatus for radio link synchronization and power control in CELL_FACH state and idle mode are disclosed. A wireless transmit/receive unit (WTRU) transmits a random access channel (RACH) preamble and receives an acquisition indicator acknowledging the RACH preamble via an acquisition indicator channel (AICH) and an index to an enhanced dedicated channel (E-DCH) resource. The WTRU determines a start of an E-DCH frame. An F-DPCH timing offset is defined with respect to one of the RACH access slot and an AICH access slot carrying the acquisition indicator. A relative F-DPCH timing offset may be signaled to the WTRU and the WTRU may determine a start of an E-DCH frame based on the relative F-DPCH timing offset and timing of an AICH access slot including the acquisition indicator. The WTRU may transmit a dedicated physical control channel (DPCCH) power control preamble before starting an E-DCH transmission.

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