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(54) Title: PAGING OVER A HIGH-SPEED DOWNLINK SHARED CHANNEL

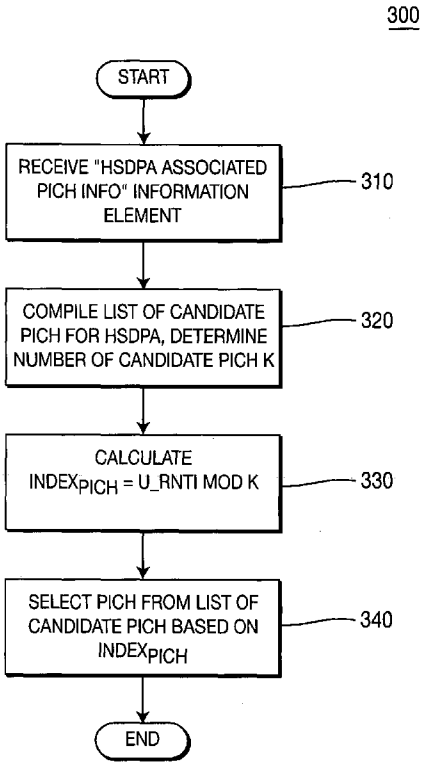


FIG. 3

(57) Abstract: Paging in a HSDPA connected mode CELL_PCH or URA-PCH state. A WTRU is configured to select various PICH information that is broadcast by a base station (in the HSDPA associated PICH info" information element of a System Information block 5/5bis) by compiling a list of cabdidate PICHs, and selecting a PICH info based on the U-RNTI of the WTRU. The WTRU is configured to receive paging messages, based on the selected PICH information. In one embodiment, a preferred WTRU is configured to receive paging messages, based on a PICH, a HS-SCCH, and a HS-PDSCH. In another embodiment, a preferred WTRU is configured to receive paging messages, based on a PICH and a HS-PDSCH. In both embodiments, a time delay parameter (for timing the transmission of the PICH and the transmission of a paging message) is preferably used so that the WTRU may listen for either the HS-SCCH or HS-PDSCH for a period of time and return to a sleep mode if no paging message is received.

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