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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR UPLINK FRAME SYNCHRONIZATION IN A SUBSCRIBER STATION

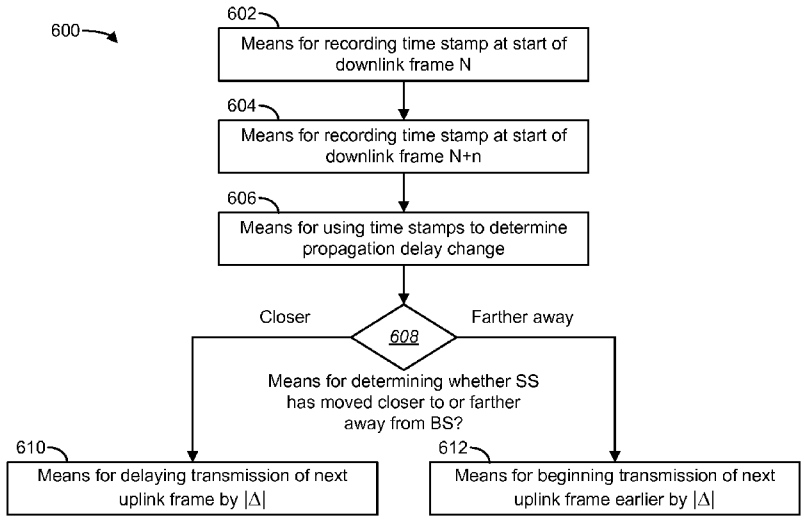

FIG. 6

(57) Abstract: A method for uplink frame synchronization in a subscriber station may include recording a first time stamp corresponding to a first downlink frame and recording a second time stamp corresponding to a second downlink frame. The first time stamp and the second time stamp may be used to determine a propagation delay change. Uplink transmission timing may be adjusted based on the propagation delay change that is determined.

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