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(54) Title: FEMTO CELL SYSTEM SELECTION

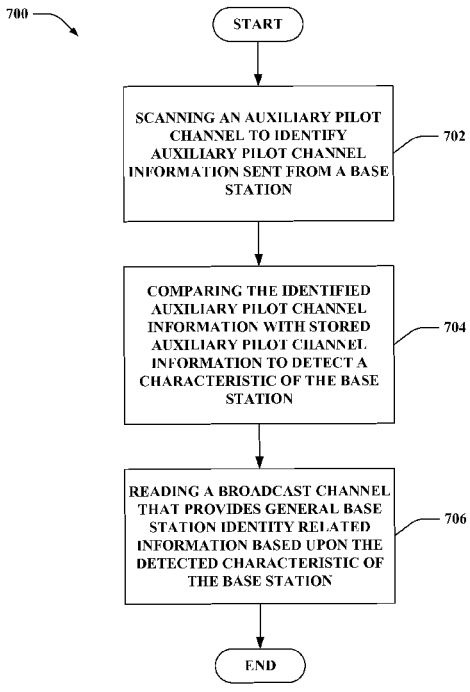

FIG. 7

(57) Abstract: Systems and methodologies are described that facilitate identifying and/or selecting femto cells in a wireless communication environment. A mobile device can scan an Auxiliary Pilot Channel to detect auxiliary pilot channel information (e.g., a particular Walsh Code, ...) sent from a base station. Moreover, the identified auxiliary pilot channel information can be evaluated to detect a characteristic of the base station. For instance, the identified auxiliary pilot channel information can be compared with stored auxiliary pilot channel information (e.g., Walsh Code(s) included in a whitelist, blacklist, ...). Moreover, a Synchronization Channel can be read based upon the detected characteristic. Further, a Common Pilot Channel, for example, can be analyzed to search for pseudo-noise (PN) offset(s) reserved for femto cell base stations, and the scan of the Auxiliary Pilot Channel can be initiated in response to detecting at least one reserved PN offset.

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