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(54) **Title:** PERSISTENT INTERFERENCE MITIGATION IN A WIRELESS COMMUNICATION SYSTEM

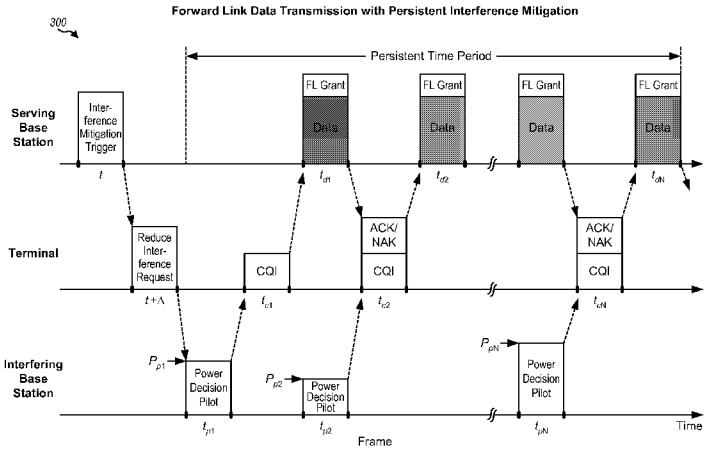


FIG. 3

(57) **Abstract:** Techniques for transmitting data with persistent interference mitigation in a wireless communication system are described. A station (e.g., a base station or a terminal) may observe high interference and may send a request to reduce interference to interfering stations. The request may be valid for a time period covering multiple response periods. Each interfering station may grant or dismiss the request in each response period, may dismiss the request by transmitting at full power, and may grant the request by transmitting at lower than full power. The station may receive a response from each interfering station indicating grant or dismissal of the request by that interfering station in each response period. The station may estimate SINR based on the response received from each interfering station and may exchange data with another station based on the estimated SINR. Persistent interference mitigation may reduce signaling overhead and improve resource utilization and performance.

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