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(54) **Title**: RNTI-DEPENDENT SCRAMBLING SEQUENCE INITIALIZATION

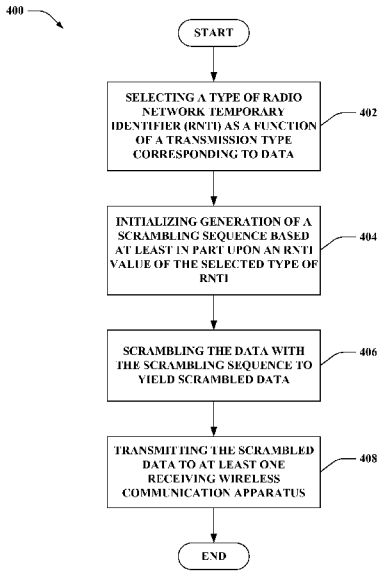


FIG. 4

(57) **Abstract**: Systems and methodologies are described that facilitate initializing scrambling sequence generation in a wireless communication environment. Scrambling sequence generation can be initialized (e.g., at a start of each subframe, …) at least in part as a function of a type of Radio Network Temporary Identifier (RNTI). Further, the type of RNTI utilized for initialization of scrambling sequence generation can correspond to a transmission type (e.g., whether the transmission is related to system information, paging, random access response, scheduled transmission or contention resolution message of a random access procedure, SPS traffic, regular unicast traffic, …). Moreover, the scrambling sequence can be leveraged to scramble data for transmission over a data channel (e.g., Physical Downlink Shared Channel (PDSCH), Physical Uplink Shared Channel (PUSCH), …). Further, a receiving wireless communication apparatus can utilize a descrambling sequence similarly yielded based upon the type of RNTI corresponding to the transmission type.

WO 2010/017475 A3

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