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(71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; ATTN: International IP Administration, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KHANDEKAR, Aamod** [IN/US]; 5775 Morehouse Drive, San Diego,

CA 92121-1714 (US). **GOROKHOV, Alexei** [FR/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). **BORRAN, Mohammad, J.** [IR/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). **PRAKASH, Rajat** [IN/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

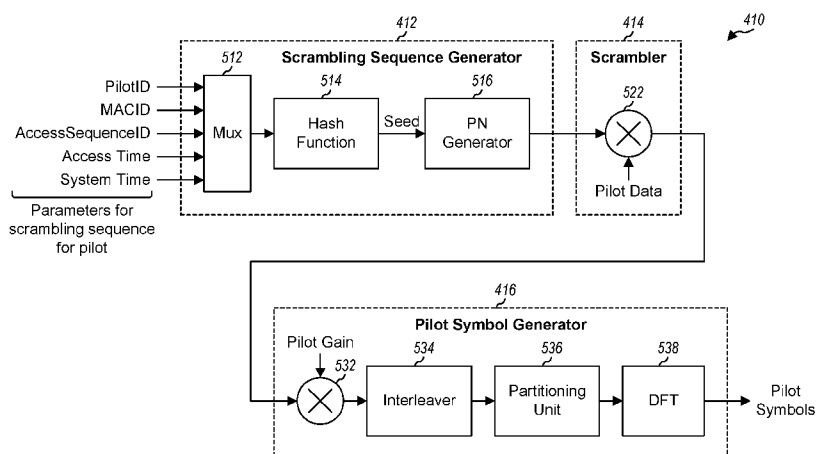
(74) Agents: **BACHAND, Richard, A.** et al.; ATTN: International IP Administration, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

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(54) Title: PILOT TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: Techniques for transmitting pilot and traffic data are described. In one aspect, a terminal may scramble its pilot with a scrambling sequence generated based on a set of static and dynamic parameters. The static parameter(s) have fixed value for an entire communication session for the terminal. The dynamic parameter(s) have variable value during the communication session. The terminal may generate a scrambling sequence by hashing the set of parameters to obtain a seed and initializing a PN generator with the seed. The terminal may then generate the pilot based on the scrambling sequence. In another aspect, the terminal may use different scrambling sequences for pilot and traffic data. A first scrambling sequence may be generated based on a first set of parameters and used to generate the pilot. A second scrambling sequence may be generated based on a second set of parameters and used to scramble traffic data.

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