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92121-1714 (US). **AGRAWAL, Avneesh** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

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

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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).

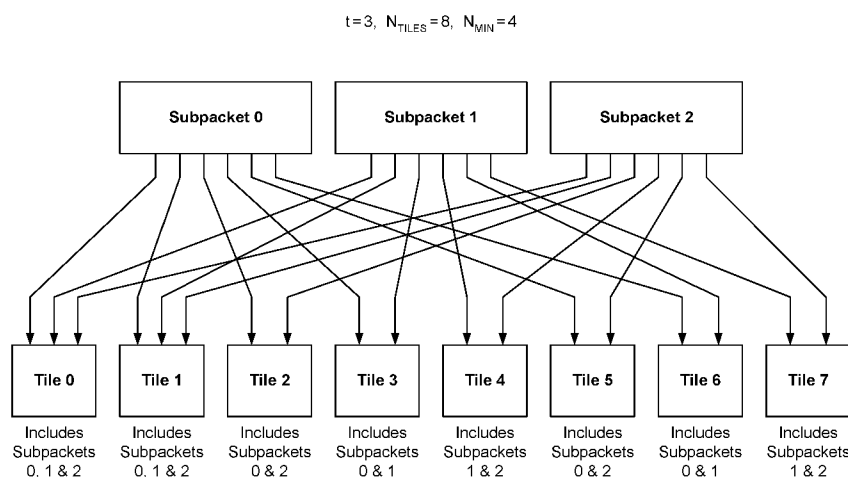
(72) Inventors; and

(75) Inventors/Applicants (for US only): **PALANKI, Ravi** [IN/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). **LIN, Jeremy H.** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). **KHANDEKAR, Aamod** [IN/US]; 5775 Morehouse Drive, San Diego, CA 92121-1714 (US). **GOROKHOV, Alexei** [FR/US]; 5775 Morehouse Drive, San Diego, CA

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(54) Title: MAPPING OF SUBPACKETS TO RESOURCES IN A COMMUNICATION SYSTEM



(57) Abstract: Techniques for transmitting data in a communication system are described. A packet may be partitioned into multiple subpackets, and each subpacket may be encoded separately. The subpackets may be mapped to resources assigned for transmission of the packet, with at least one subpacket being mapped to a subset of the assigned resources. The assigned resources may include multiple tiles, with each tile corresponding to a block of time frequency resources. The subpackets may be mapped to the tiles such that (i) the subpackets are mapped to equal number of tiles to achieve similar decoding performance, (ii) each subpacket is mapped to at least N_{MIN} tiles, if available, to achieve a certain minimum diversity order for the subpacket, and/or (iii) each subpacket is mapped to a subset of the multiple tiles, if possible, so that the subpacket can be decoded without having to demodulate all of the tiles.

WO 2008/086074 A1



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