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(71) Applicant *(for all designated States except US)*: **INTERDIGITAL TECHNOLOGY CORPORATION** [US/US]; 3411 Silverside Road, Concord Plaza, Suite 105, Hagley Building, Wilmington, DE 19810 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PIETRASKI, Philip, J.** [US/US]; 7 Talbot Place, Huntington Station, NY 11746 (US). **YANG, Yongwen** [CN/US]; 9 Lewis Street, Hillsborough, NJ 08844 (US).

(74) Agent: **BALLARINI, Robert, J.**; Volpe And Koenig, P.C., United Plaza, Suite 1600, 30 South 17th Street, Philadelphia, PA 19103 (US).

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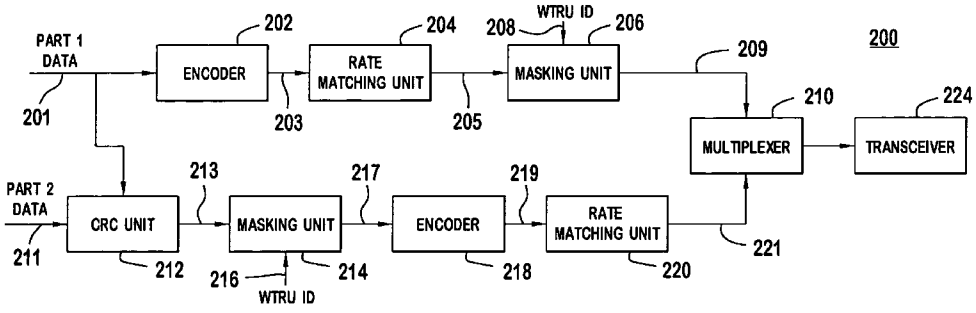
(54) **Title:** METHOD AND APPARATUS FOR ENCODING AND DECODING HIGH SPEED SHARED CONTROL CHANNEL DATA



(57) **Abstract:** A method and apparatus for encoding and decoding high speed shared control channel (HS-SCCH) data are disclosed. For part 1 data encoding, a mask may be generated using a wireless transmit/receive unit (WTRU) identity (ID) and a generator matrix with a maximum minimum Hamming distance. For part 2 data encoding, cyclic redundancy check (CRC) bits are generated based on part 1 data and part 2 data. The number of CRC bits is less than the WTRU ID. The CRC bits and/or the part 2 data are masked with a mask. The mask may be a WTRU ID or a punctured WTRU ID of length equal to the CRC bits. The mask may be generated using the WTRU ID and a generator matrix with a maximum minimum Hamming distance. The masking may be performed after encoding or rate matching.

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