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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, Delaware 19810 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WANG, Jin** [CN/US]; 34 Fairlawn Drive, Central Islip, New York 11722 (US). **TERRY, Stephen, E.** [US/US]; 15 Summit Avenue, Northport, New York 11768 (US). **CHANDRA, Arty** [IN/US]; 31 Jeffrey Place, Manhasset Hills, New York 11040 (US). **ZHANG, Guodong** [CN/US]; 490 Main Street, Apt. C8, Farmingdale, New York 11735 (US).

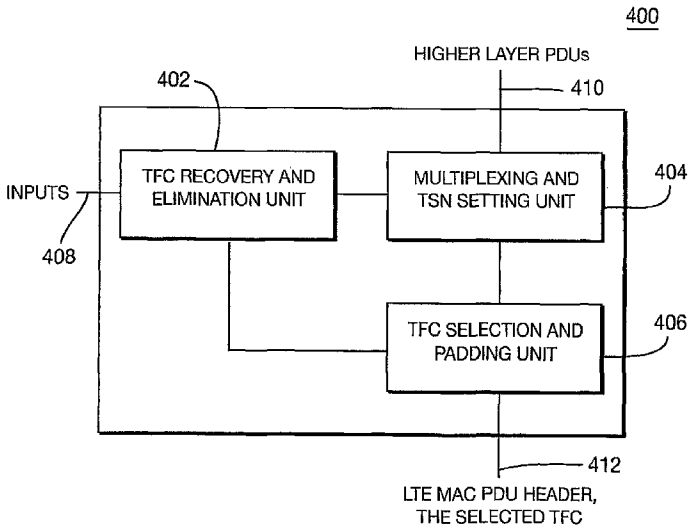
(74) Agent: **BALLARINI, Robert, J.**; VOLPE AND KOENIG, P.C., United Plaza, Suite 1600, 30 S. 17th Street, Philadelphia, Pennsylvania 19103 (US).

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(54) Title: METHOD AND APPARATUS FOR SELECTING A TRANSPORT FORMAT COMBINATION



(57) Abstract: A method and apparatus for selecting a transport format combination (TFC) are disclosed. A TFC recovery and elimination unit generates an allowed transport format combination set (TFCS) subset by recovering supported TFCs and eliminating not supported TFCs based on allocated radio resources and parameters that are new. A multiplexing and transmission sequence number (TSN) setting unit generates a medium access control (MAC) protocol data unit (PDU) by multiplexing at least one higher layer PDU within a maximum supported MAC PDU size. A TFC selection and padding unit selects a TFC for the MAC PDU from the allowed TFCS subset and performs padding of the MAC PDU, if necessary, so that the MAC PDU fits into the selected TFC. For retransmission, a new allowed TFCS subset may be generated based on new radio resources and parameters and the MAC PDU may be fragmented.

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