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(54) Title: METHOD AND APPARATUS TO LINK MODULATING AND CODING SCHEME TO AMOUNT OF RESOURCES

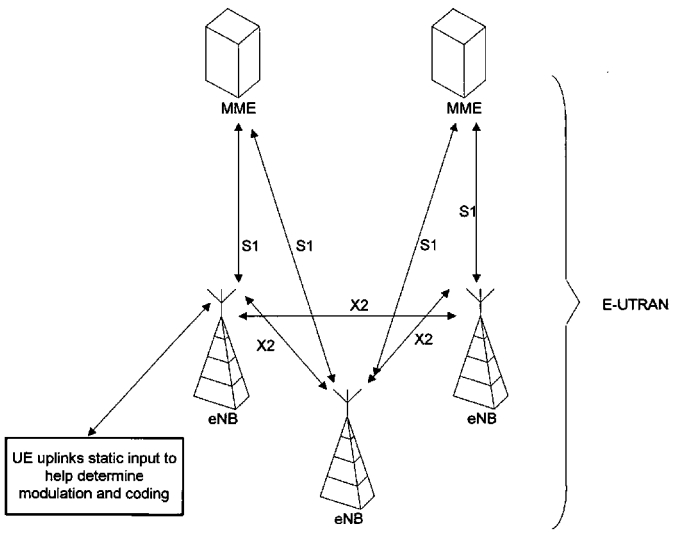


FIG. 2

(57) Abstract: The present invention relates to the IJL part of the UTRAN long term evolution (LTE) which is being specified in the 3GPP under the ReI. 8 Work Item, and also relates to resource allocation for non-data-associated control signals (such as ACK/NACK and CQI) transmitted with UL data on the PUSCH (Physical Uplink Shared Channel). Data-non associated signalling can be multiplexed with UL data by means of time division multiplexing (TDM). Included in the present invention is a method and apparatus for linkage between Physical Uplink Control Channel (PUSCH) Modulation and Coding Scheme (MCS) and amount of resources for control on PUSCH. According to certain embodiments of the present invention, a mechanism and/or formula are presented for scaling the amount of control resources (CQI, ACK/NACK), allowing for flexible adaption of the size of control region for controlling the quality of the control channel. This allows for the adaption of quality of UL signaling in order to meet target requirements.

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