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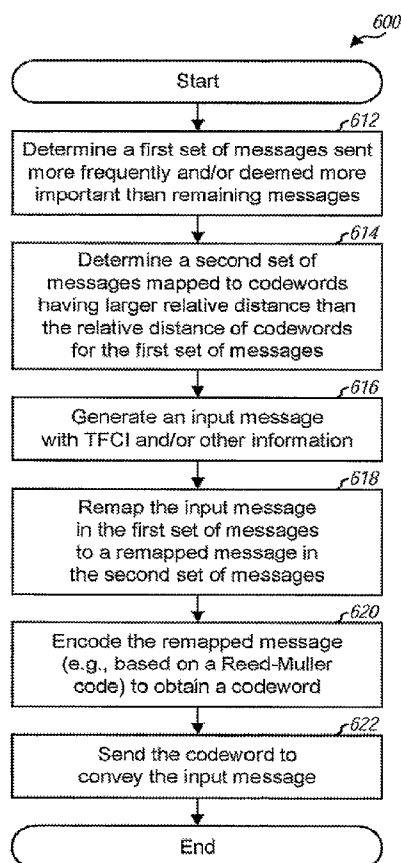
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(54) Title: MESSAGE REMAPPING AND ENCODING



(57) Abstract: Techniques for remapping messages prior to encoding to improve performance are described. L designated messages among K total messages are remapped to L remapped messages, which are associated with L codewords having larger relative distance between these codewords, where L may be much less than K. The L designated messages may be more frequently used messages and/or more important messages. The remapping allows the L codewords with larger relative distance to be sent for the L designated messages, which may improve performance. A transmitter remaps an input message to a remapped message, encodes the remapped message to obtain a codeword, and sends the codeword to convey the input message. A receiver decodes a received codeword to obtain a decoded message and demaps the decoded message to obtain a demapped message, which is an estimate of the input message sent by the transmitter.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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