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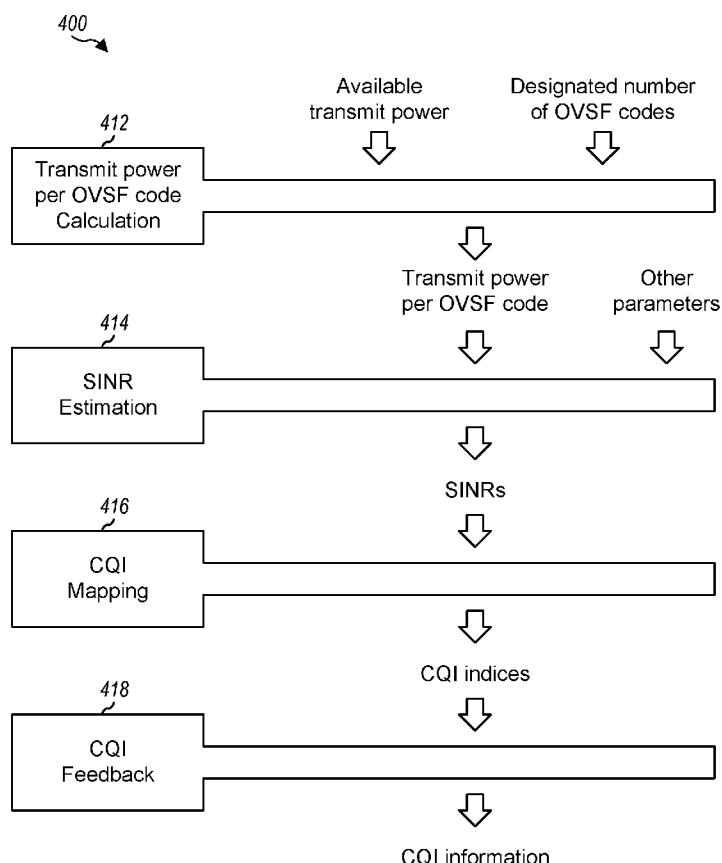
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(54) Title: CQI REPORTING FOR MIMO TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: Techniques for determining and reporting channel quality indicator (CQI) information are described. A user equipment (UE) may determine a transmit power per channelization code, *POVSF*, based on the available transmit power and a designated number of channelization codes, e.g., by uniformly distributing the available transmit power across all transport blocks and all of the designated number of channelization codes. The UE may estimate SINRs of multiple transport blocks based on *POVSF*, determine CQI indices for the transport blocks based on the SINRs, and send the CQI indices to a Node B. The Node B may send multiple transport blocks to the UE based on the CQI indices. The Node B may send the transport blocks (i) with the designated number of channelization codes at *POVSF* or (ii) with a second number of channelization codes at *POVSF*, with the transport block sizes being scaled based on the designated and second numbers of channelization codes.

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