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(54) **Title**: METHODS AND SYSTEMS FOR HYBRID MIMO SCHEMES IN OFDM/A SYSTEMS

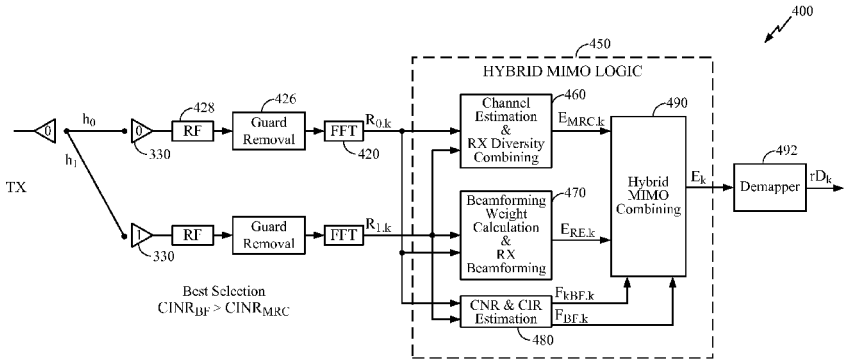


FIG. 4

(57) **Abstract**: Certain embodiments of the present disclosure provide a hybrid receiver diversity scheme that involves combining received signals in accordance with a combination of multiple receive diversity schemes. Certain embodiments of the present disclosure provide a hybrid transmit diversity scheme that involves transmitting diversity signals to a receiver according to a transmit diversity scheme selected based on signal quality measurements received from the receiver.

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