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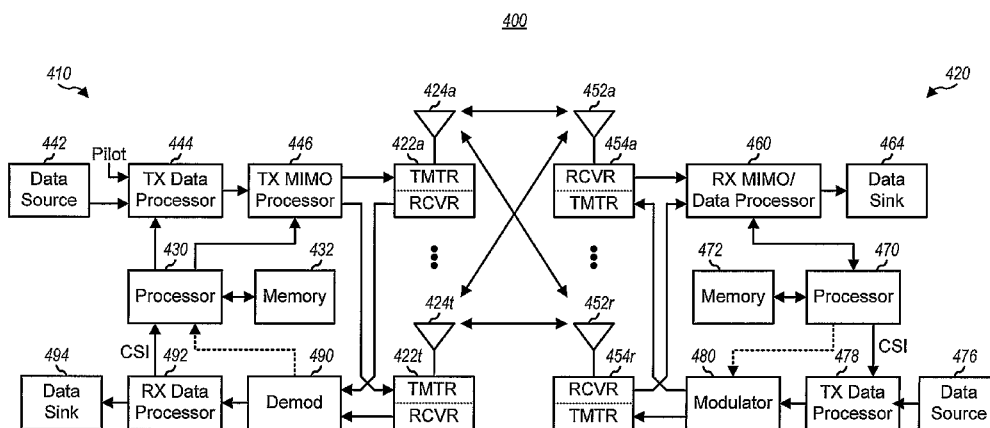
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: SYSTEMS AND METHODS FOR BEAMFORMING IN MULTI-INPUT MULTI-OUTPUT COMMUNICATION SYSTEMS



(57) Abstract: Methods and apparatuses are disclosed that utilize information from less than all transmission paths from a transmitter to form beamforming weights for transmission. In addition, methods and apparatuses are disclosed that utilize channel information, such as COI, eigenbeam weights, and/or channel estimates, to form beamforming weights.