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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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

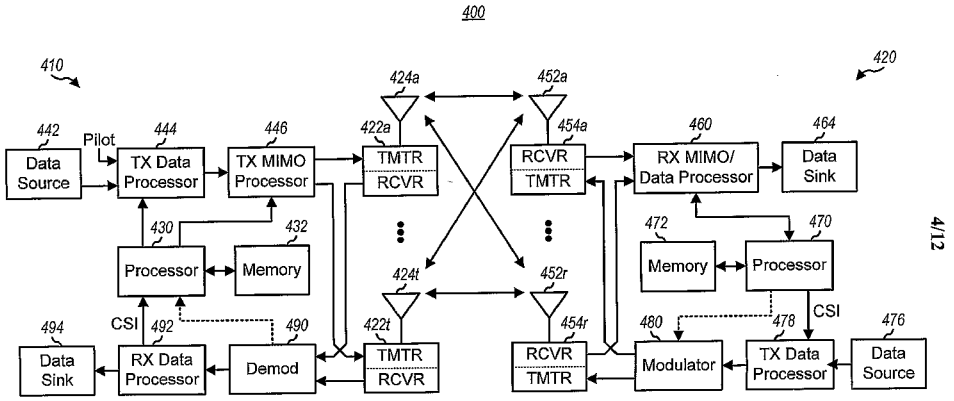
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(54) Title: SYSTEMS AND METHODS FOR BEAMFORMING AND RATE CONTROL IN A MULTI-INPUT MULTI-OUTPUT COMMUNICATION SYSTEMS



(57) Abstract: Methods and apparatuses are disclosed that determine a type of channel information based upon whether a wireless device is scheduled to receive symbols. In addition, a determination may be as to a number of hop periods to determine the type of channel information. Further, a distance between hop regions may be utilized to determine a type of channel information.

WO 2006/099349 A1

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