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(54) CLOSED LOOP FEEDBACK IN MIMO SYSTEMS

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- (52) **U.S. Cl.** 455/69; 455/562.1

See application file for complete search history.

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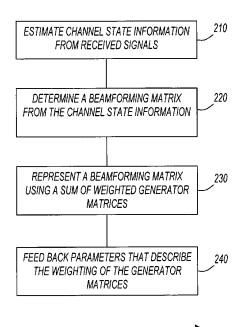
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(57) ABSTRACT

Feedback bandwidth may be reduced in a closed loop MIMO system by representing a beamforming matrix using orthogonal generator matrices.

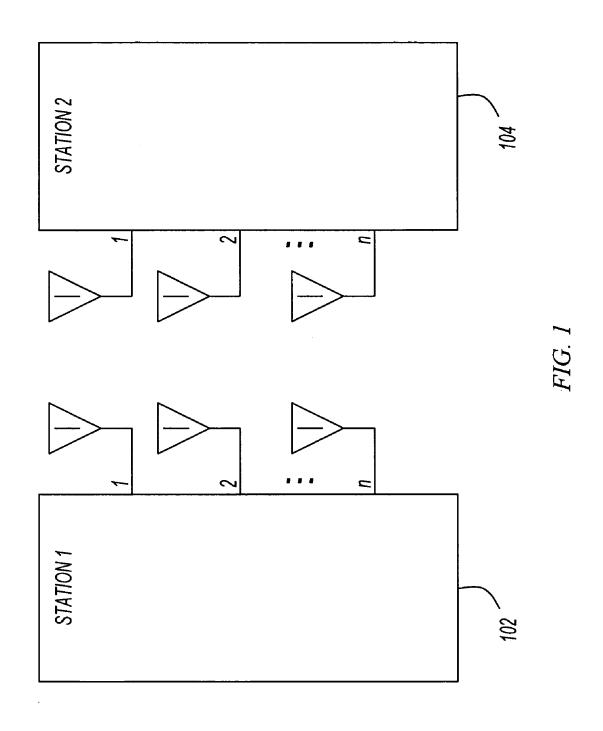
23 Claims, 4 Drawing Sheets

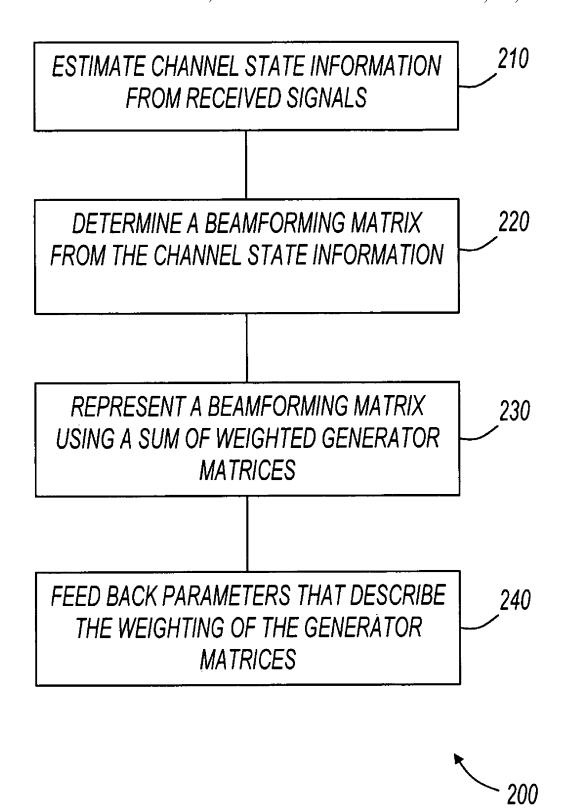


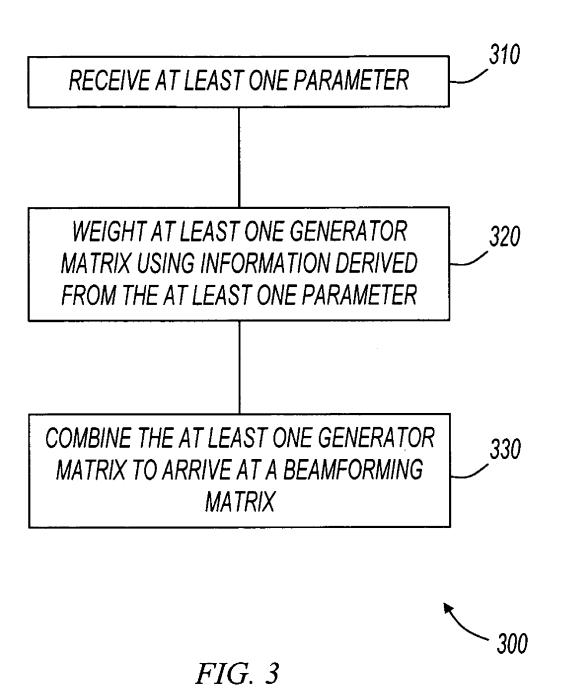


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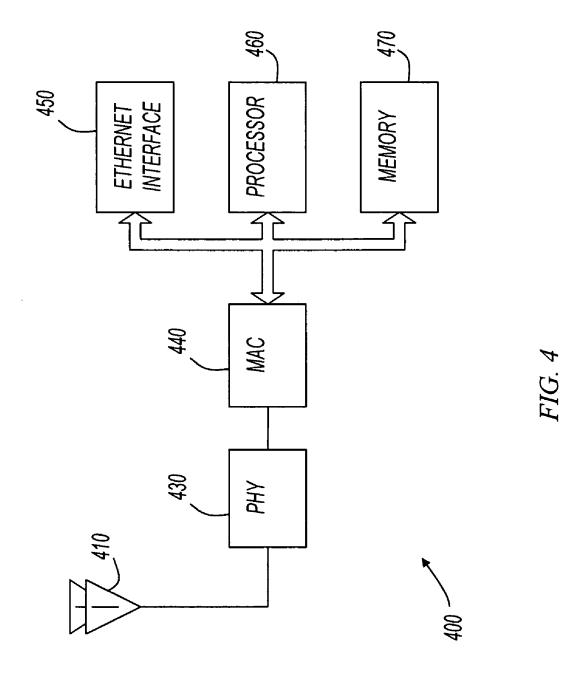
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