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2006/0068718 A1 * 3/2006 Li et al.
2006/0092054 A1 5/2006 Li et al.

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OTHER PUBLICATIONS

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H04B 1/38 (2006.01)
H04M 1/00 (2006.01)

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

(58) Field of Classification Search 455/69, 455/562.1, 561, 101, 103, 272-273, 276.1, 455/277.1, 277.2; 375/299, 347; 370/208
See application file for complete search history.

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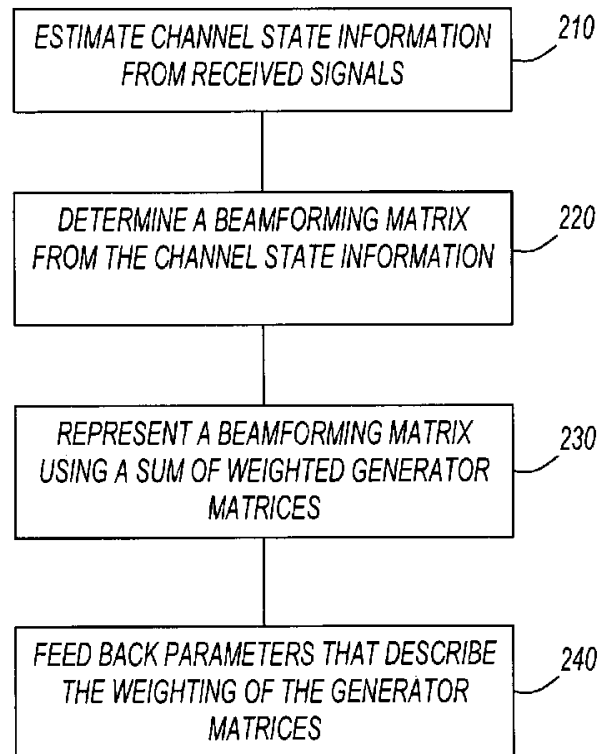
* cited by examiner

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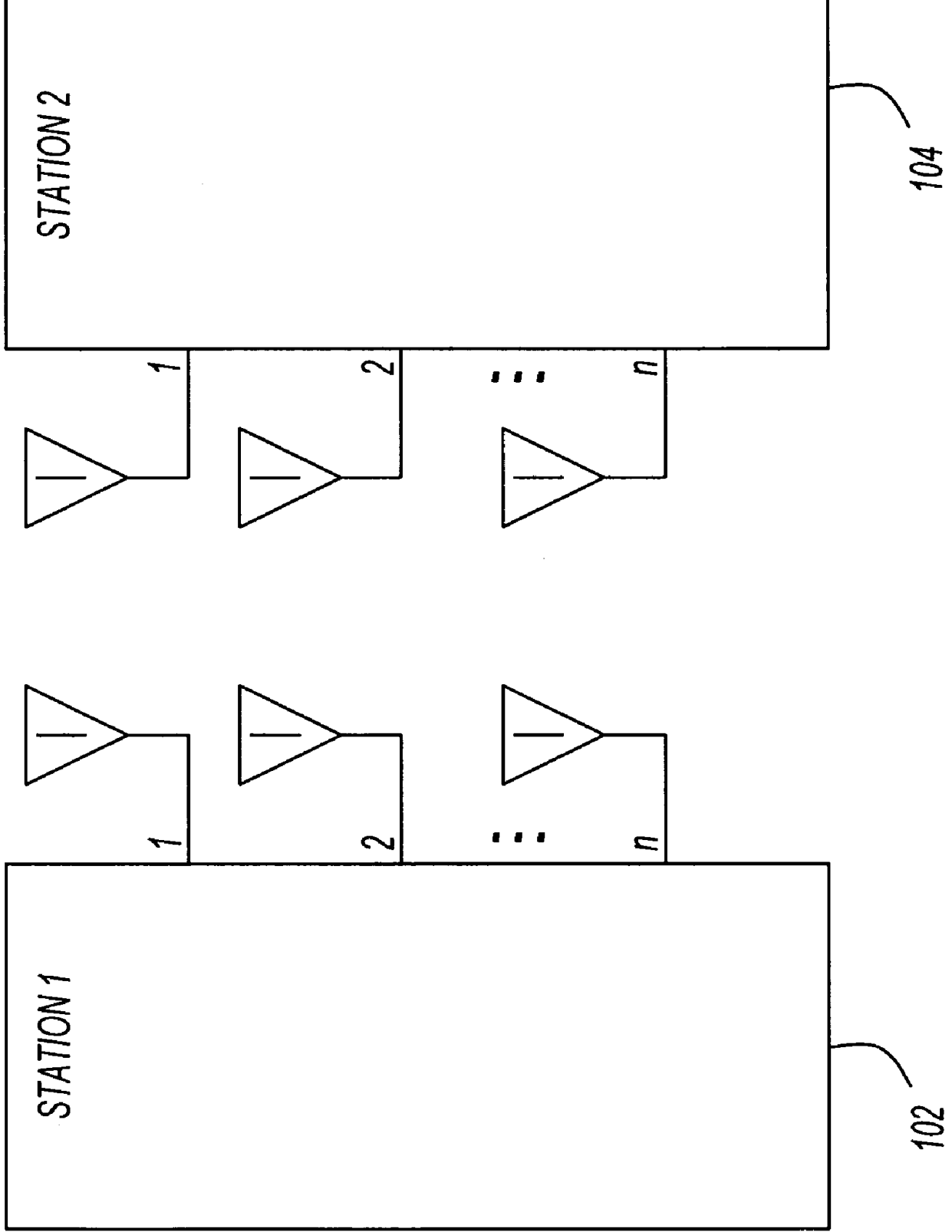
(57) ABSTRACT

Feedback bandwidth may be reduced in a MIMO system by representing a beamforming matrix as a sum of orthogonal generator matrices.

23 Claims, 4 Drawing Sheets



200



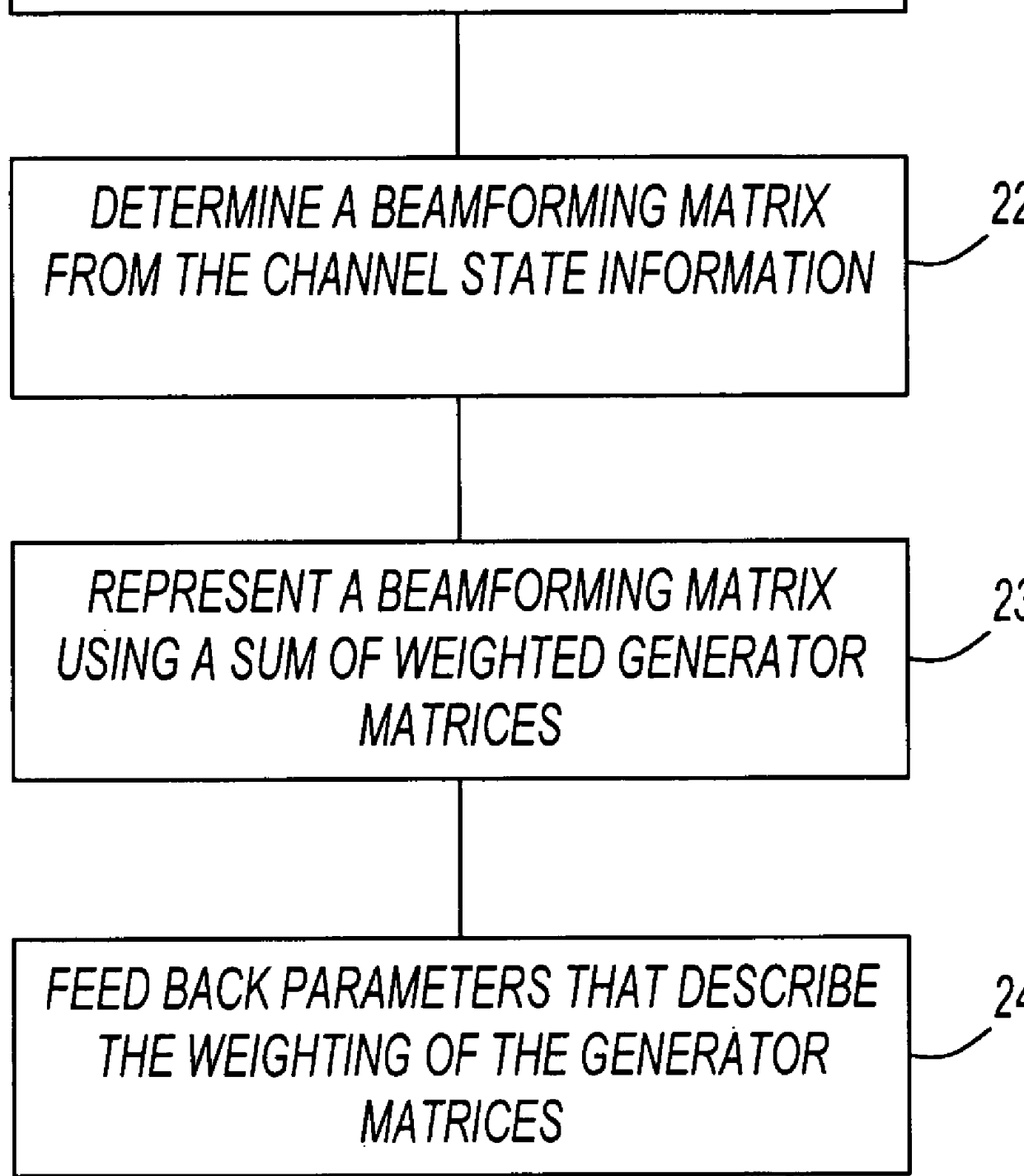


FIG. 2

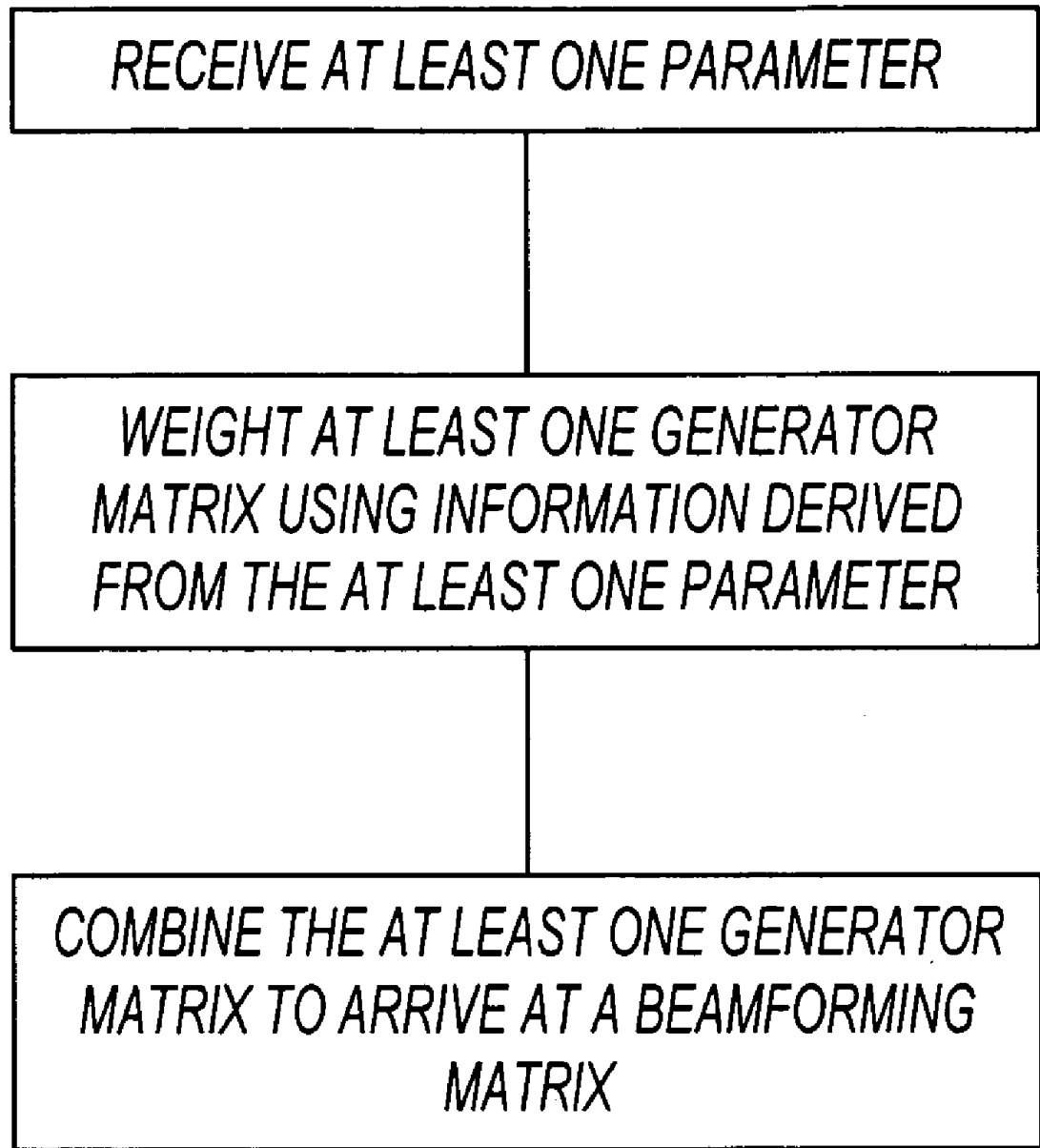
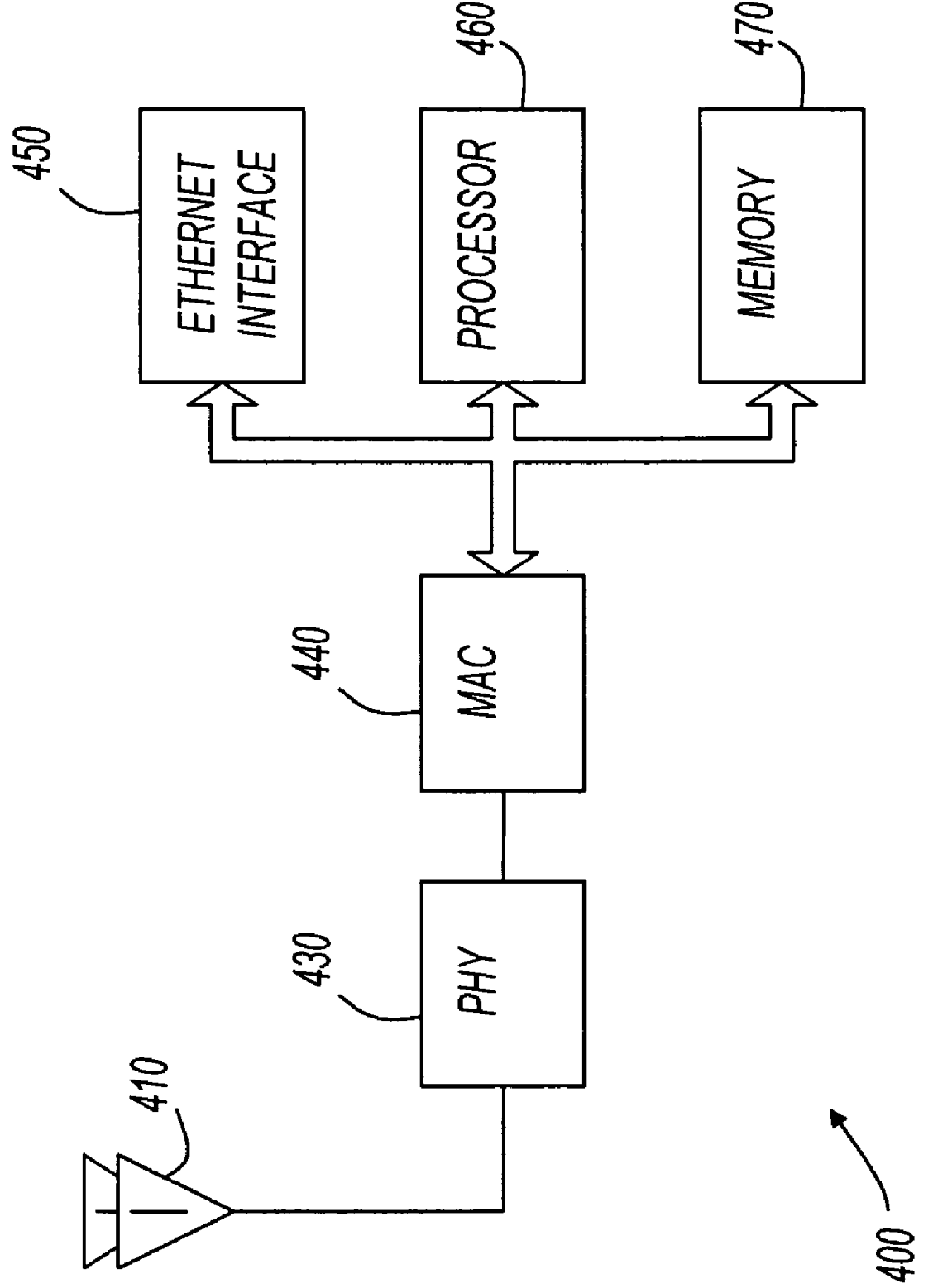


FIG. 3



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