(73) Assignee: Intel Corporation, Santa Clara, CA (US) (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 363 days. (21) Appl. No.: 10/955,826 (22)Filed: Sep. 30, 2004 (65)**Prior Publication Data**

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455/562.1, 561, 101, 103, 272–273, 276.1,

455/277.1, 277.2; 375/299, 347; 370/208

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(2006.01)

(2006.01)

U.S. Cl. 455/69; 455/562.1

(58) Field of Classification Search 455/69,

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(51) **Int. Cl.**

(52)

(56)

H04B 1/38

H04M 1/00

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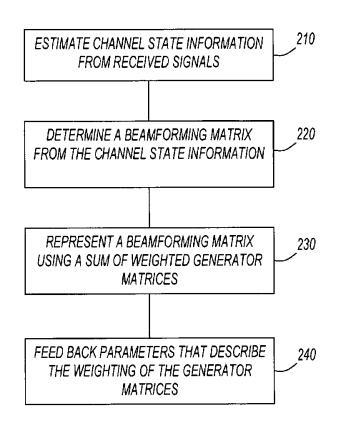
Primary Examiner—Nguyen T. Vo (74) Attorney, Agent, or Firm—LeMoine PLLC; Dana B. LeMoine

(57)**ABSTRACT**

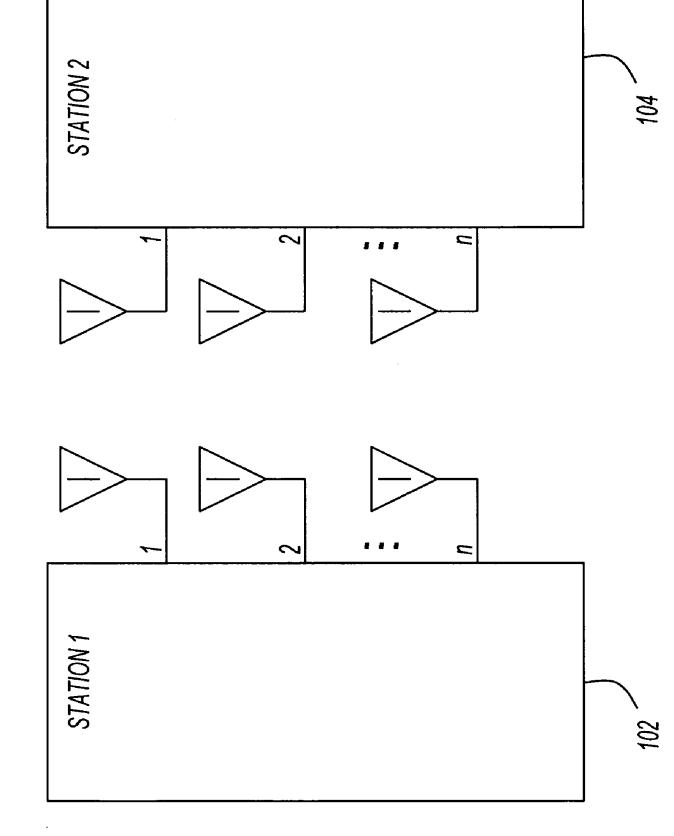
Feedback bandwidth may be reduced in MIMO system by representing a beamform orthogonal generator matrices.

200

23 Claims, 4 Drawing Shee







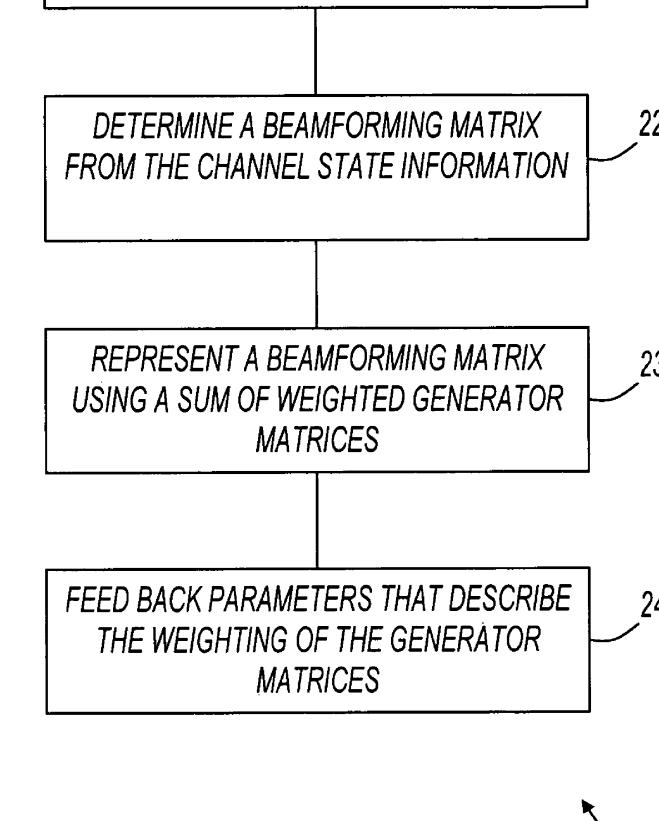


FIG. 2



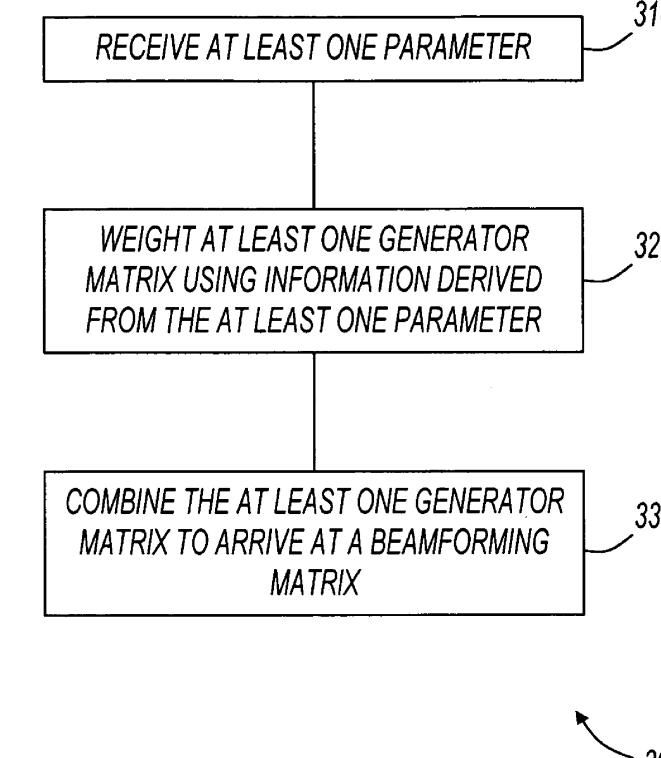
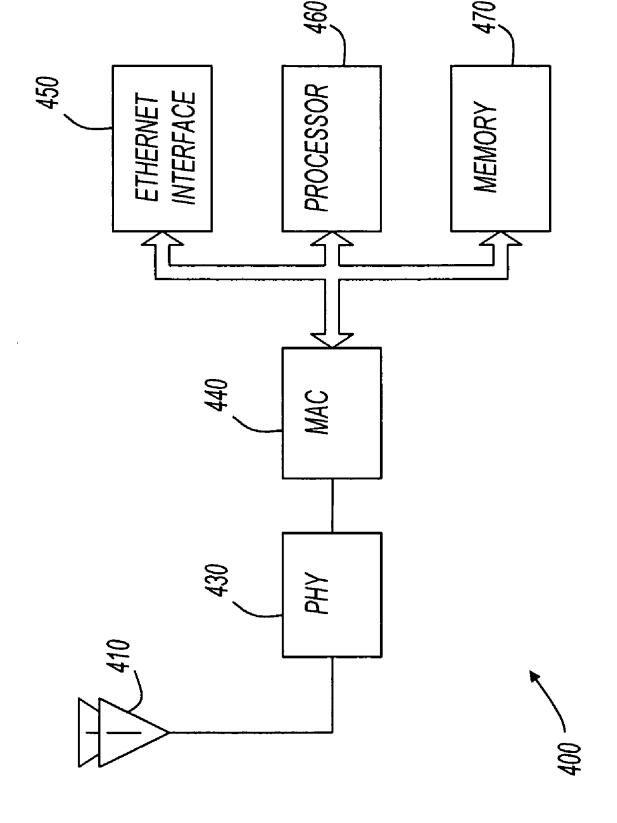


FIG. 3



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