

US007236748B2

(12) United States Patent Li et al.

(10) Patent No.: US 7,236,748 B2 (45) Date of Patent: Jun. 26, 2007

(54) CLOSED LOOP FEEDBACK IN MIMO SYSTEMS

- (75) Inventors: Qinghua Li, Sunnyvale, CA (US); Xintian E. Lin, Palo Alto, CA (US)
- (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

US 2006/0068738 A1 Mar. 30, 2006

(51) Int. Cl. *H04B 1/38* (2006.01) *H04M 1/00* (2006.01)

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

See application file for complete search history.

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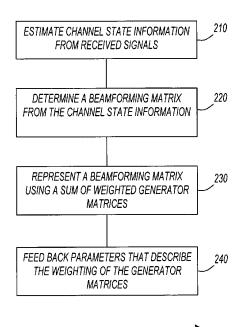
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Primary Examiner—Nguyen T. Vo (74) Attorney, Agent, or Firm—LeMoine Patent Services, PLLC; Dana B. LeMoine

(57) ABSTRACT

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

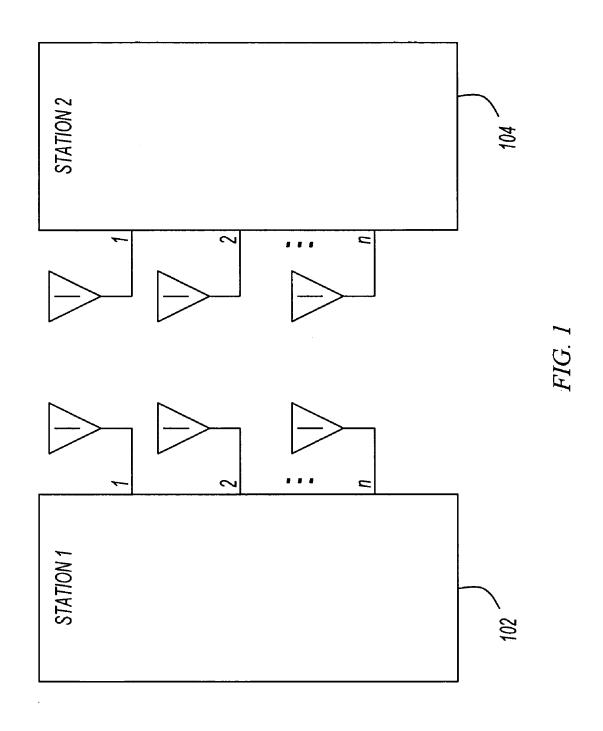
23 Claims, 4 Drawing Sheets

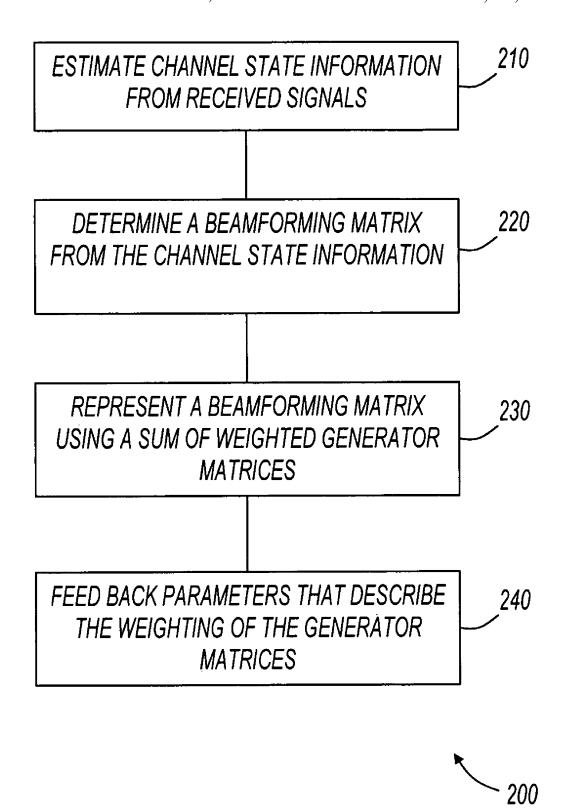


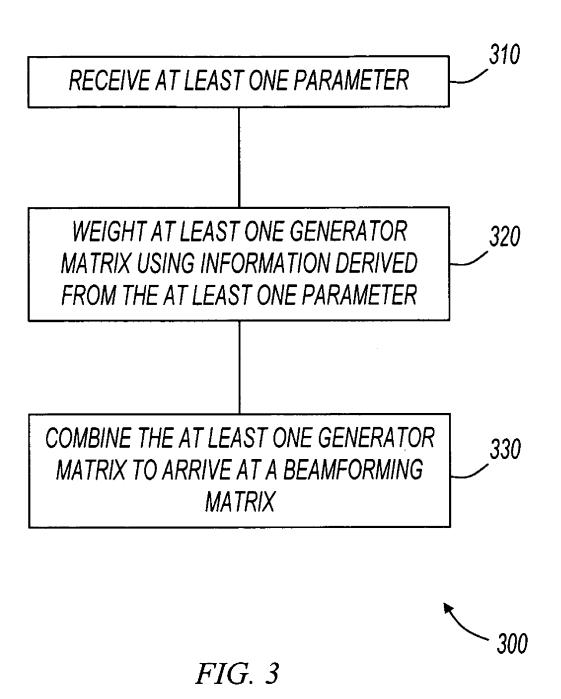


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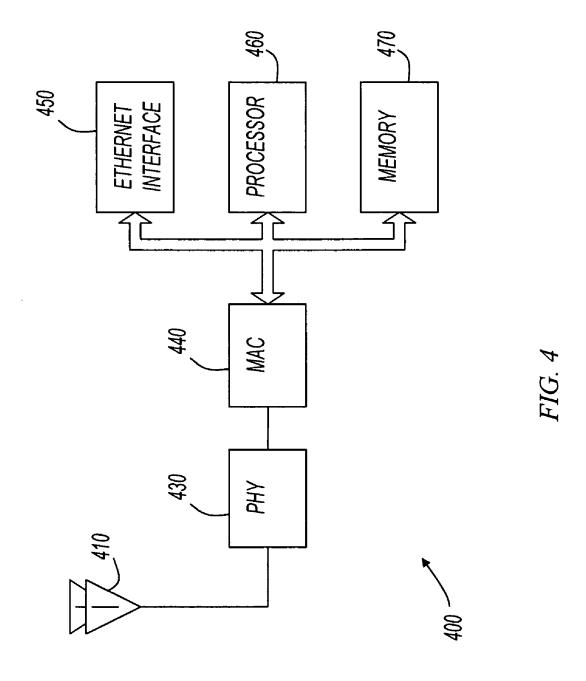
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