

(54) **RECURSIVE REDUCTION OF CHANNEL STATE FEEDBACK**

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(51) **Int. Cl.**
H03M 7/40 (2006.01)

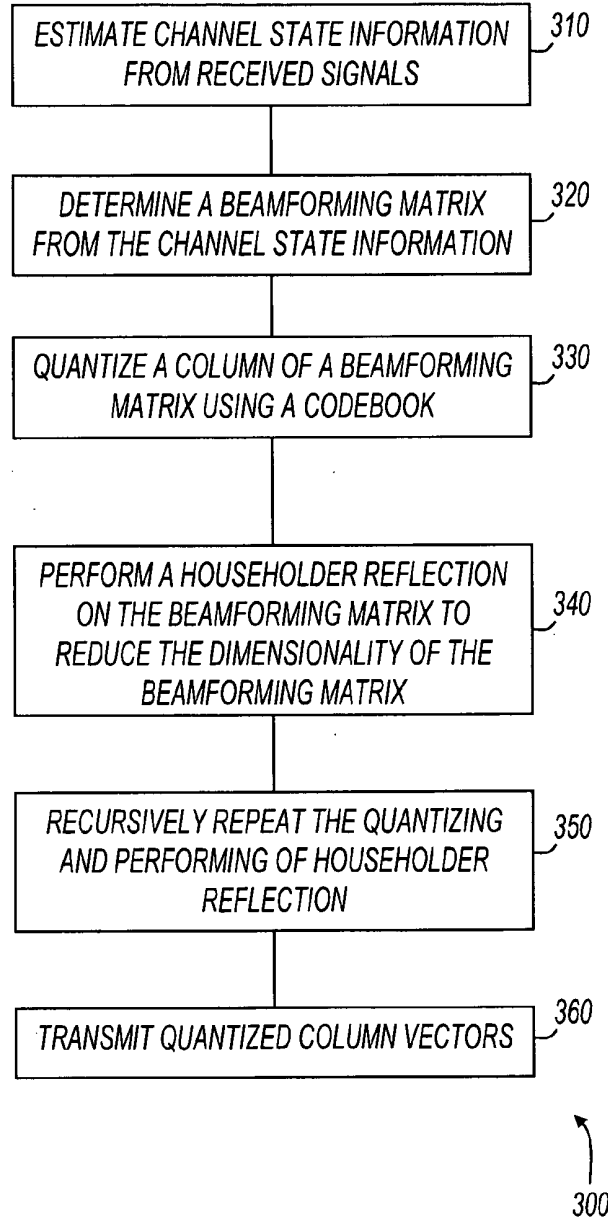
(52) **U.S. Cl.** **341/67**

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(57) **ABSTRACT**

Feedback bandwidth may be reduced in a closed loop MIMO system by Householder transformations and vector quantization using codebooks.

(21) Appl. No.: **10/937,097**



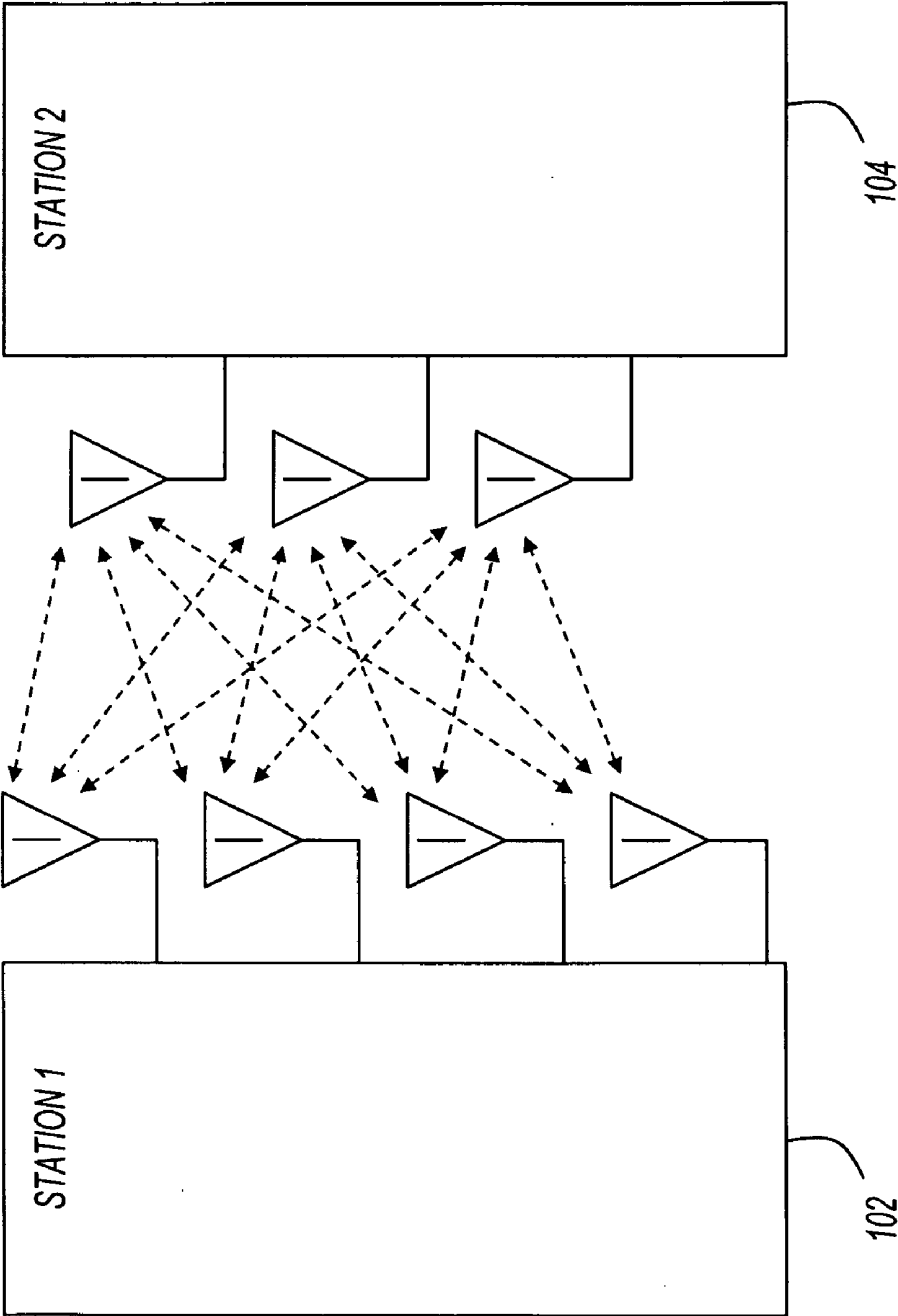


FIG. 1

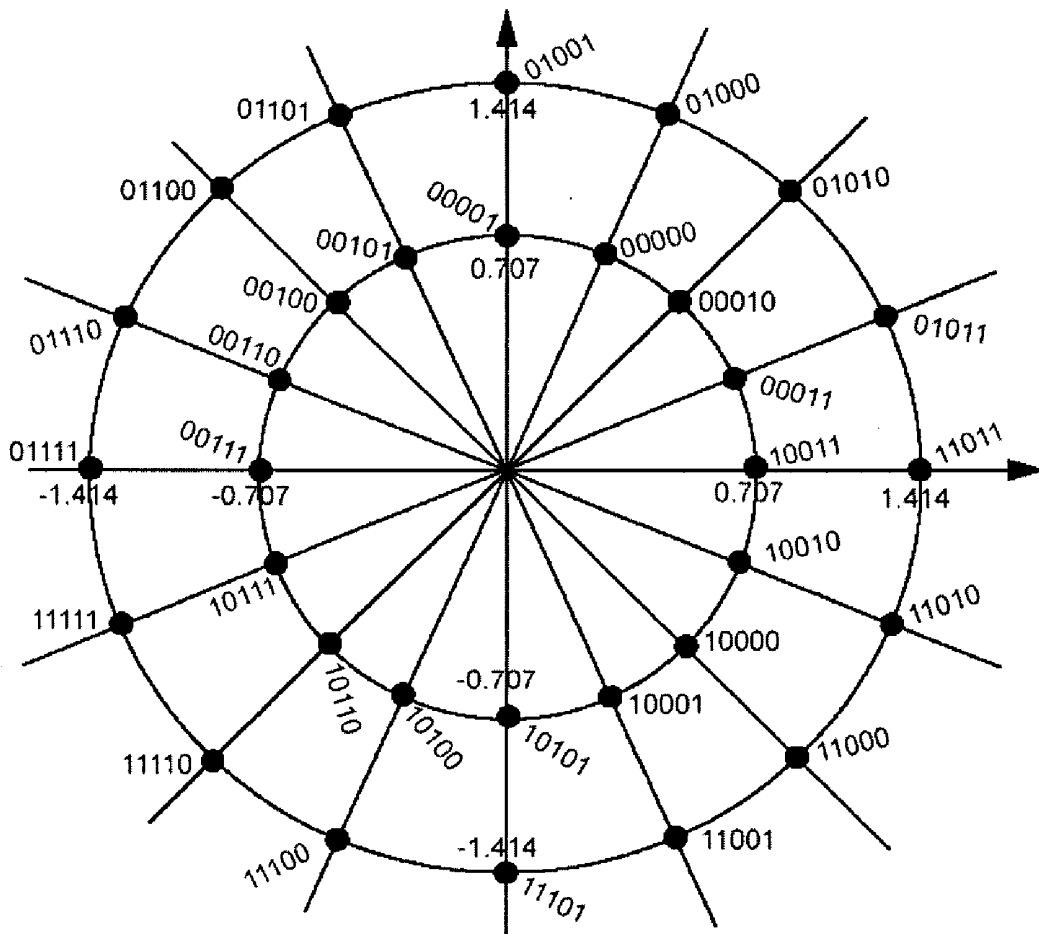
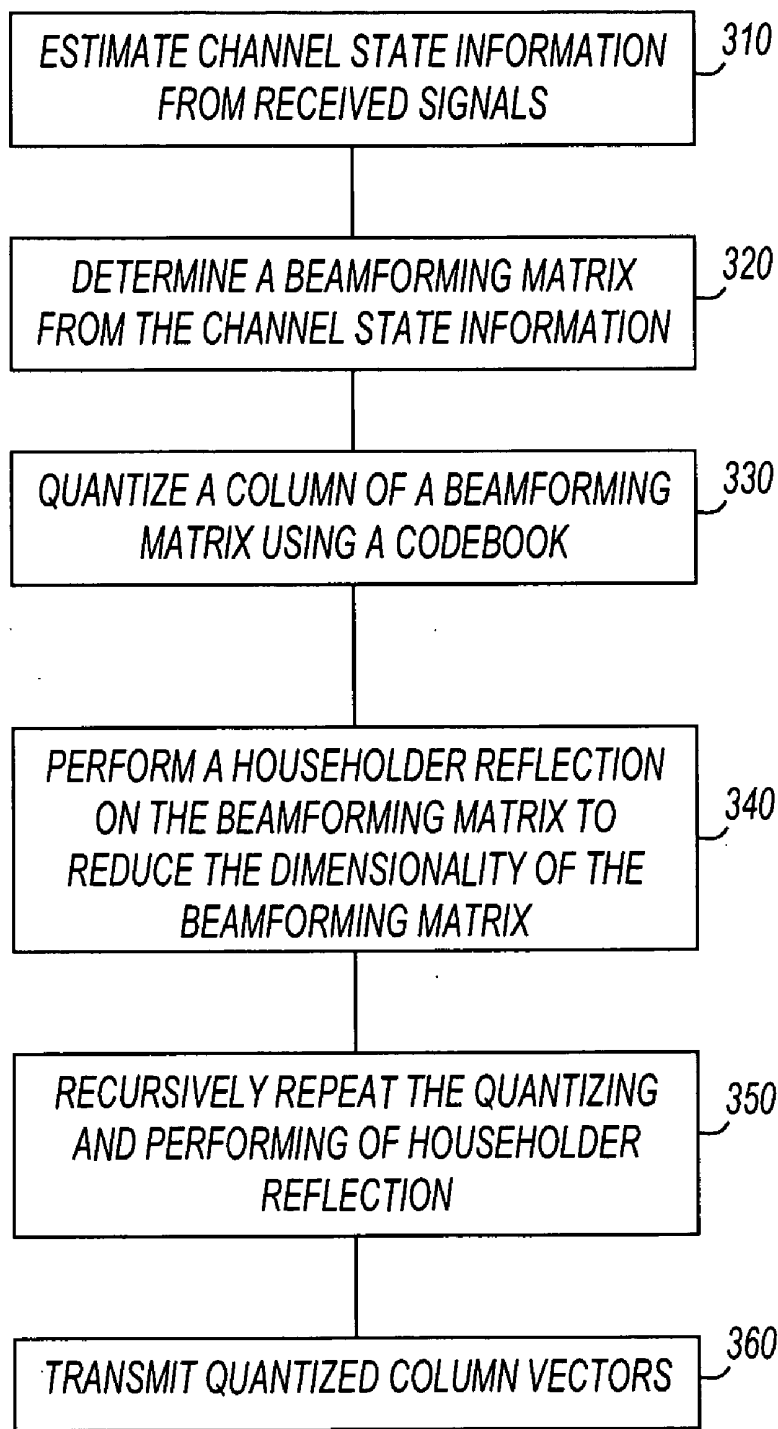


FIG. 2



300

FIG. 3

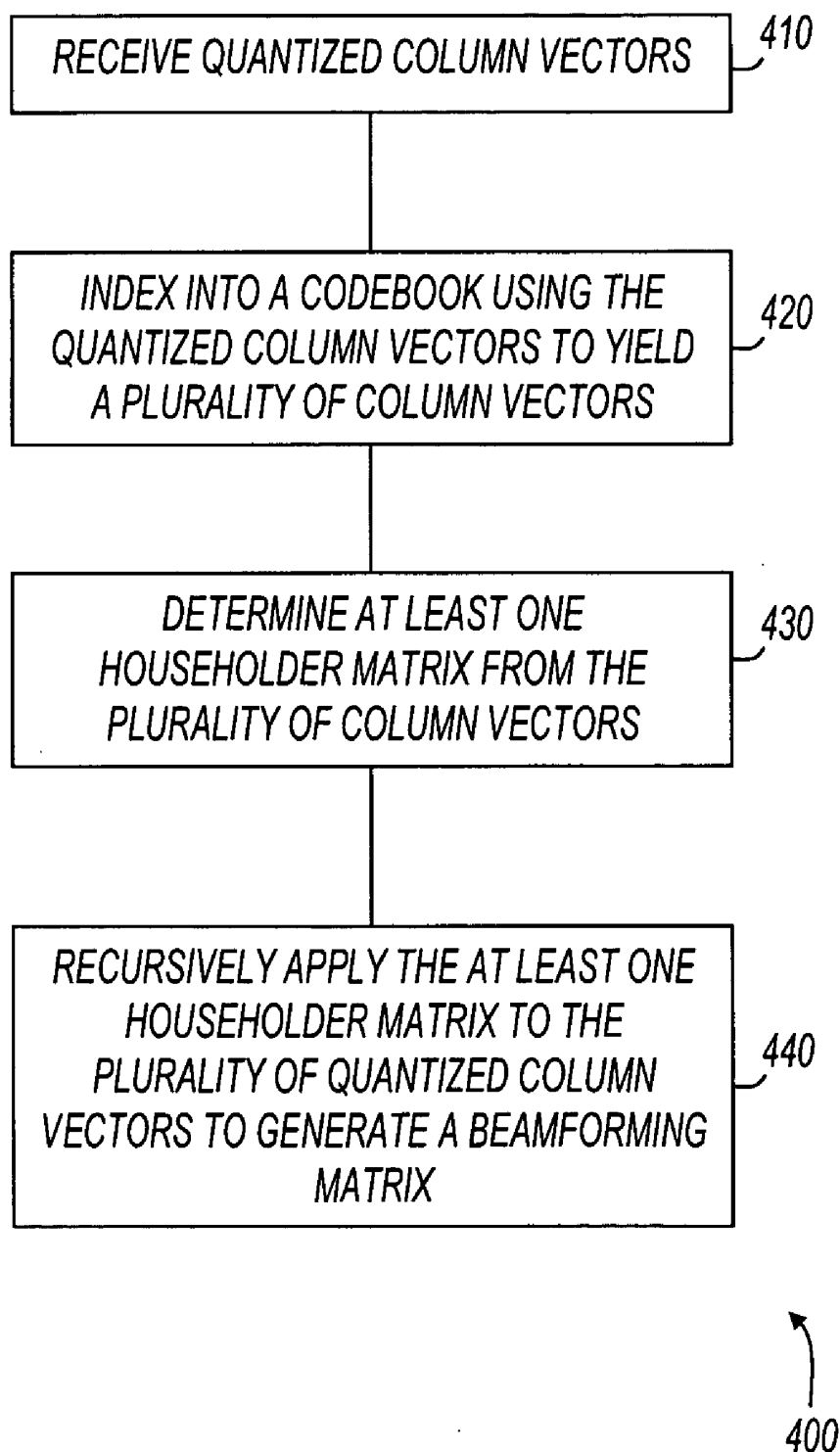


FIG. 4

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