



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2006/0092054 A1**

Li et al.

(43) **Pub. Date: May 4, 2006**

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

(22) Filed: **Sep. 8, 2004**

Publication Classification

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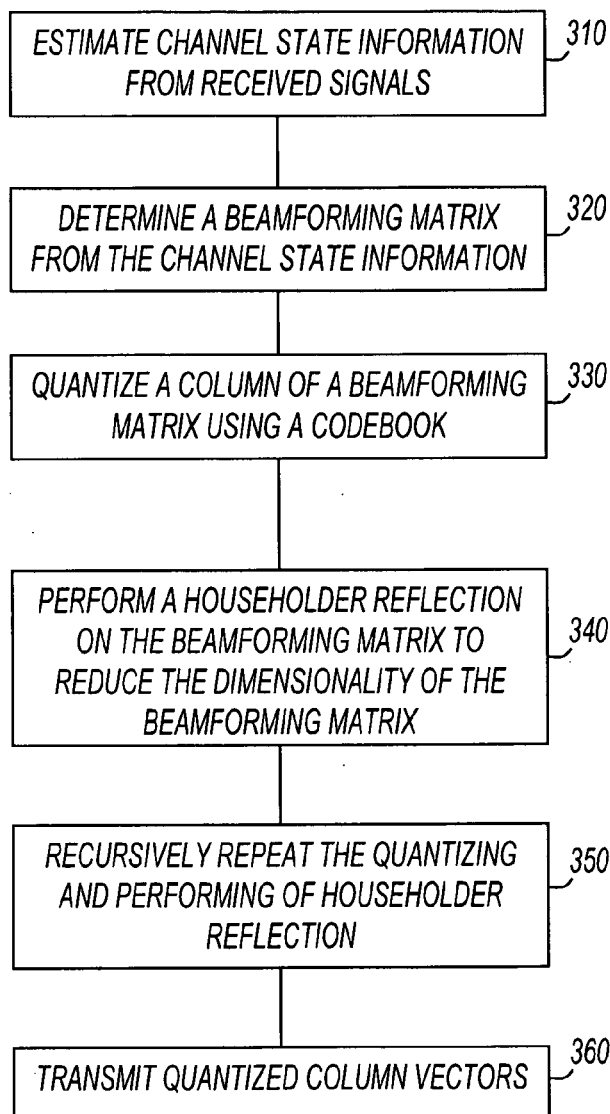
(51) **Int. Cl. H03M 7/40** (2006.01)
(52) **U.S. Cl.** **341/67**

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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**



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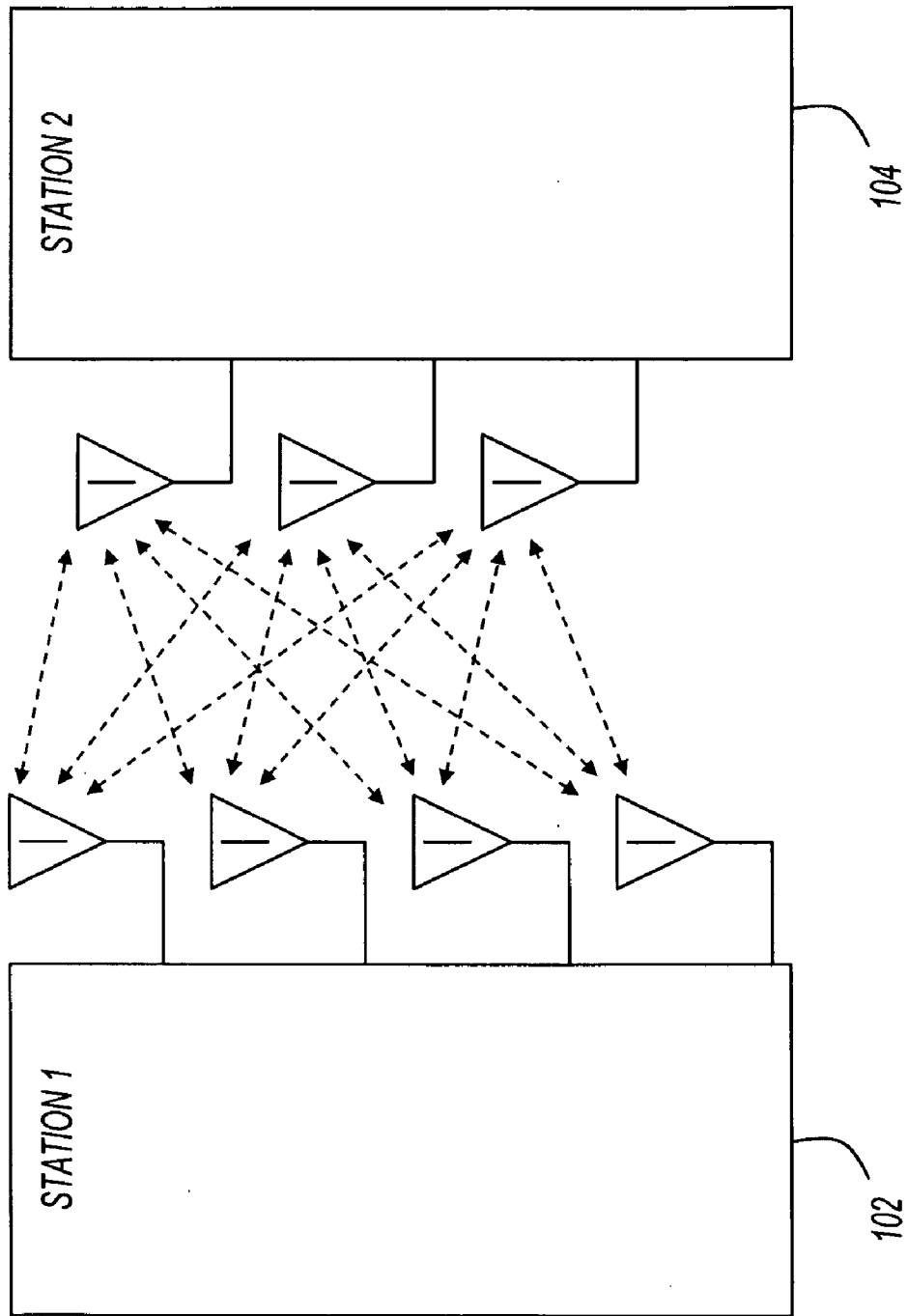


FIG. 1

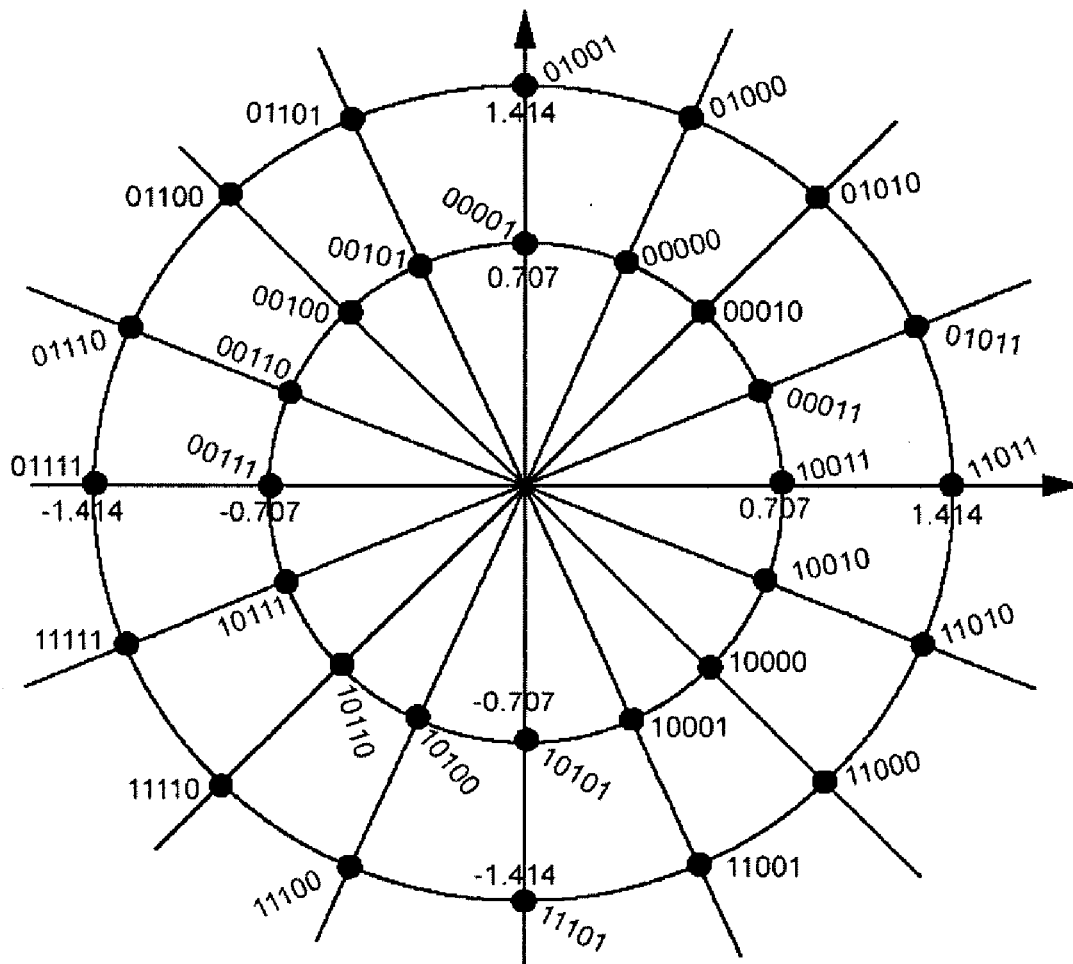


FIG. 2

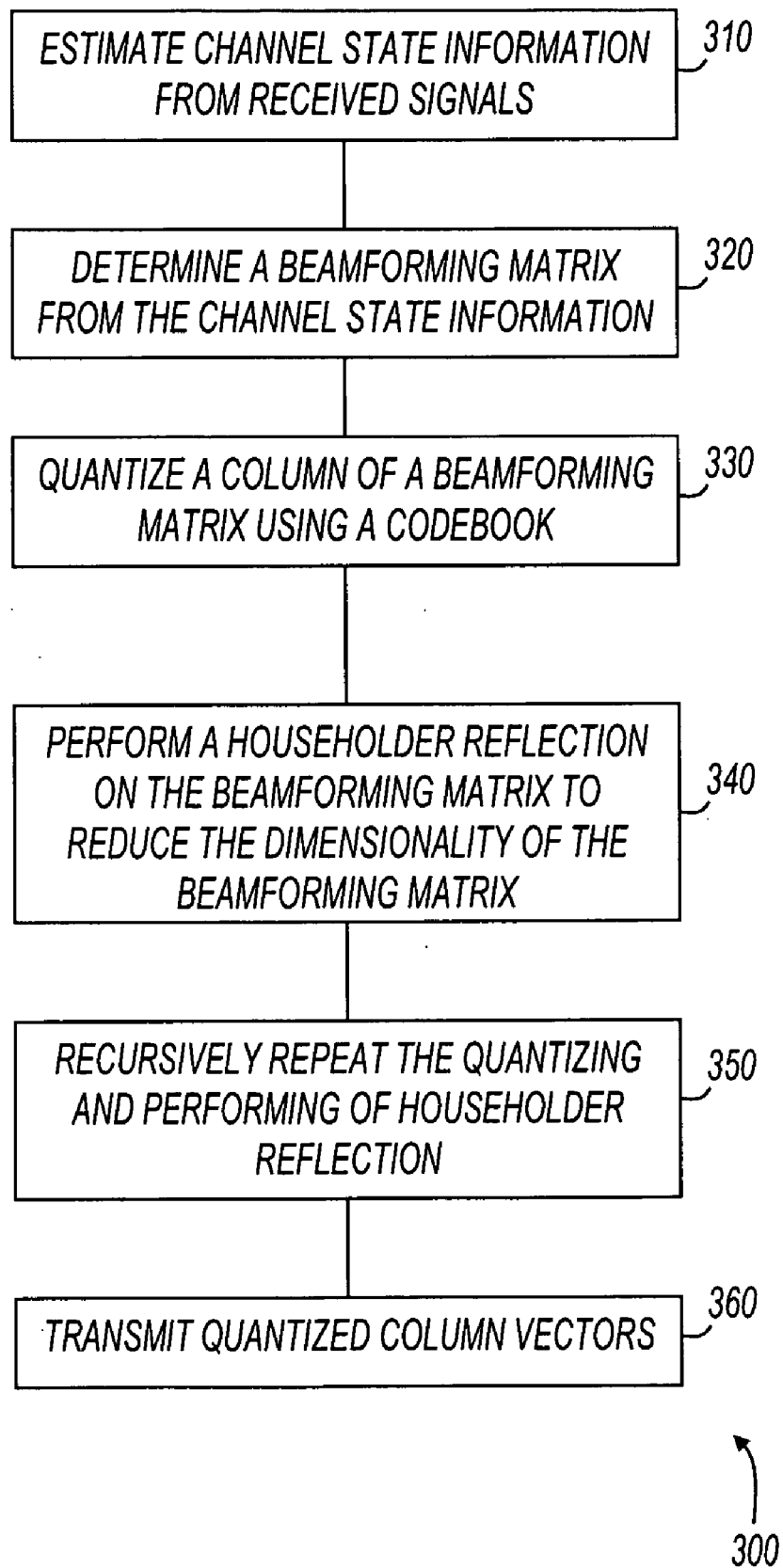


FIG. 3

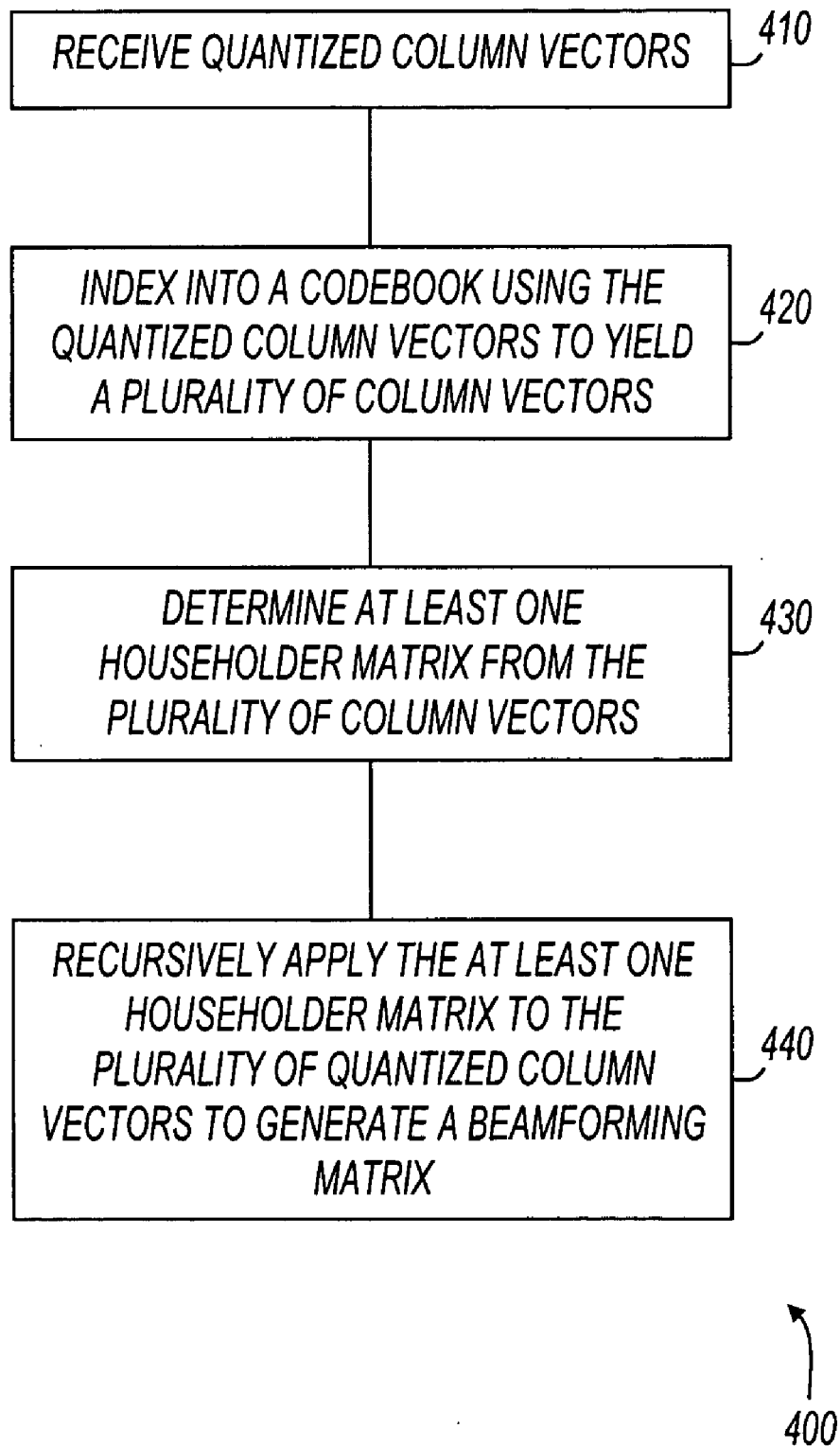


FIG. 4

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