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Declarations under Rule 4.17:

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[Continued on next page]

(54) Title: ADAPTIVE COMPRESSION OF CHANNEL FEEDBACK BASED ON SECOND ORDER CHANNEL STATISTICS

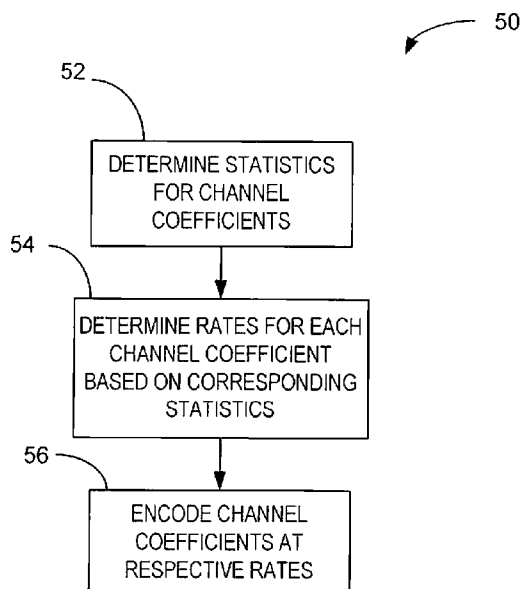


FIG. 4

(57) Abstract: A method of variable rate vector quantization reduces the amount of channel state feedback. Channel coefficients of a communication channel are determined and second order statistics (e.g. Variances) of the channel taps are computed. Bit allocation for the channel taps are determined based on the coefficients statistics. The channel taps are individually quantized at rates determined based on said bit allocations.



- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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