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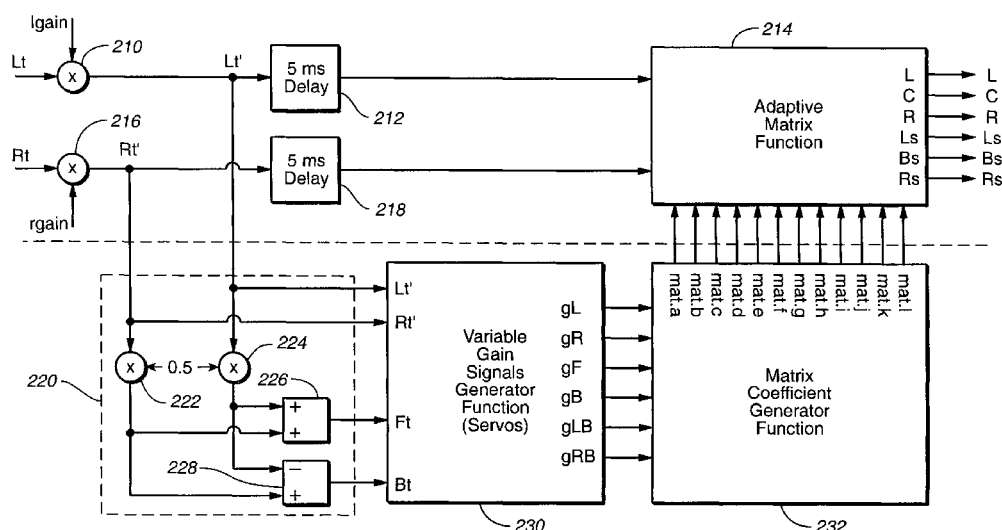
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(54) Title: METHOD FOR APPARATUS FOR AUDIO MATRIX DECODING



(57) Abstract: A method derives at least three audio signals, each associated with a direction, from two input audio signals. In response to the two input signals, a passive matrix generates a plurality of passive matrix audio signals, including two pairs of passive matrix audio signals, a first pair of passive amtrix audio signals represent directions lying on a first axis and a second pair of passive matrix audio signals represent directions lying on a second axis, the first and second axes being substantially at ninety degrees to each other. The pairs of passive matrix audio signals are processed to derive a plurality of matrix coefficients therefrom. The processing includes deriving a pair of intermediate signals and urging each pair of intermediate signals toward equality in response to a respective error signal. At least three output signals are produced by matrix multiplying the two input signals by the matrix coefficients.



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