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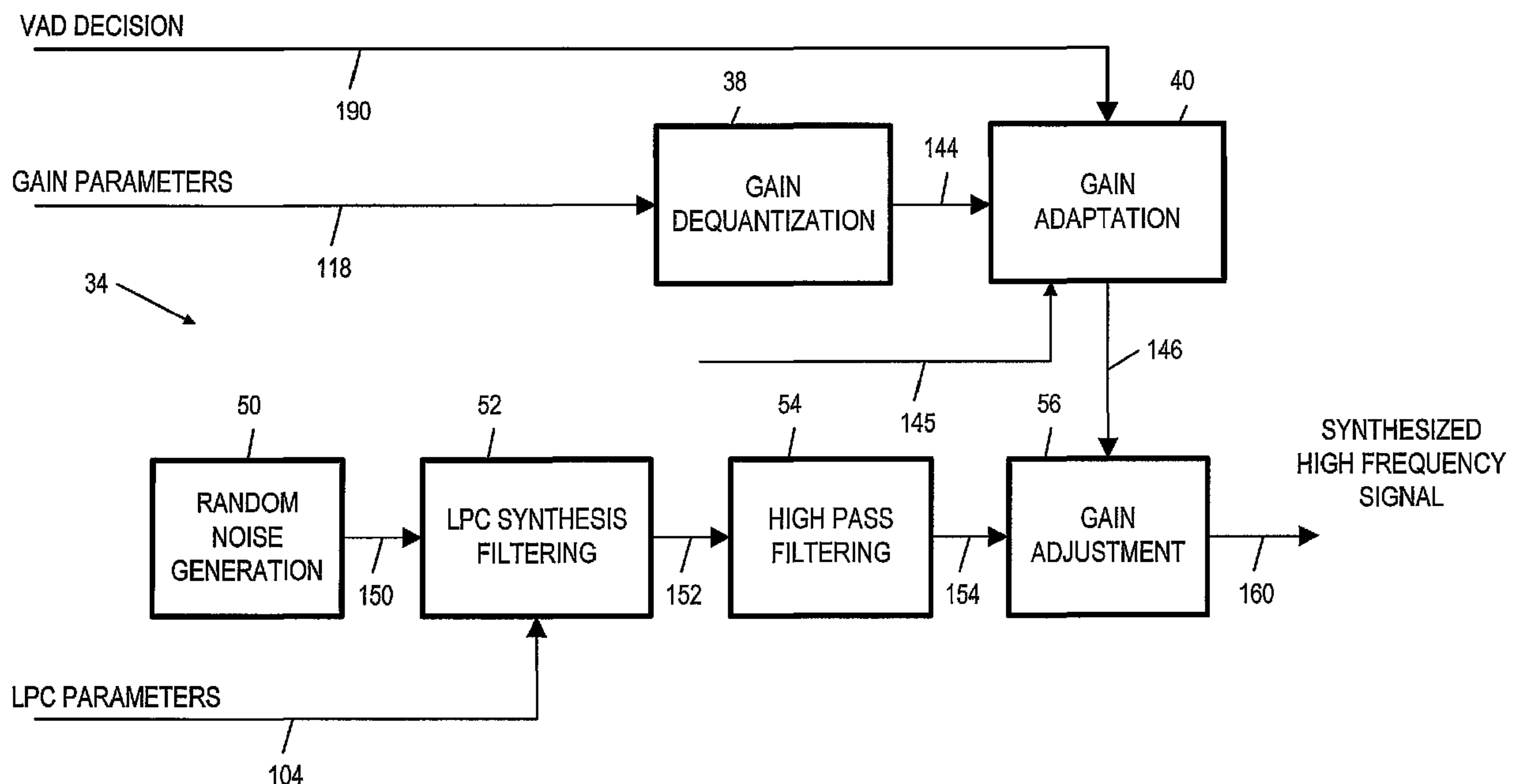
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(54) Title: APPARATUS FOR BANDWIDTH EXPANSION OF A SPEECH SIGNAL



(57) Abrégé/Abstract:

A speech coding method and device for encoding and decoding an input signal, wherein the higher frequency components of the synthesized speech are achieved by high-pass filtering and coloring an artificial signal. The processed artificial signal is scaled by a first scaling factor during the active speech periods of the input signal and a second scaling factor during the non-active speech periods, wherein the first scaling factor is characteristic of the higher frequency band of the input signal and the second scaling factor is characteristic of the lower frequency band of the input signal. In particular, the second scaling factor is estimated based on the lower frequency components of the synthesized speech and the coloring of the artificial signal is based on the linear predictive coding coefficients characteristic of the lower frequency of the input signal.

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