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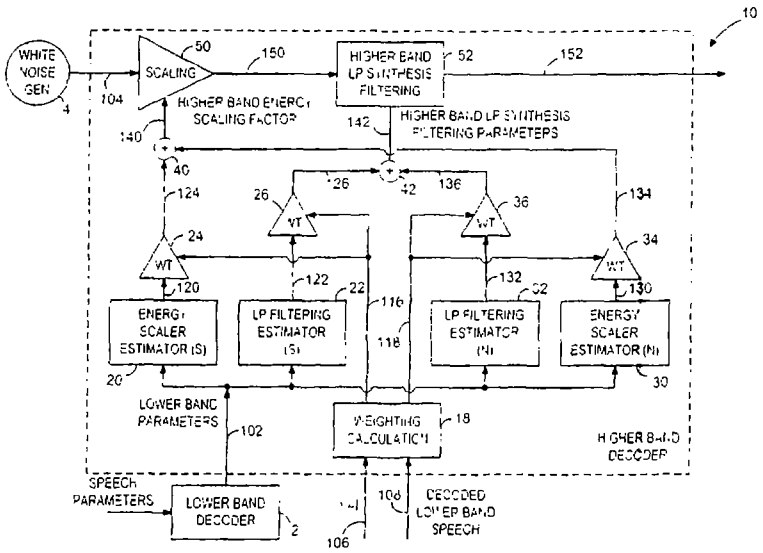
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(54) Title: METHOD AND SYSTEM FOR ESTIMATING ARTIFICIAL HIGH BAND SIGNAL IN SPEECH CODEC



(57) Abstract: A method and system for encoding and decoding an input signal, wherein the input signal is divided into a higher frequency band and a lower frequency band in the encoding and decoding processes, and wherein the decoding of the higher frequency band is carried out by using an artificial signal along with speech-related parameters obtained from the lower frequency band In particular, the artificial signal is scaled before it is transformed into an artificial wideband signal containing colored noise in both the lower and the higher frequency band Additionally, voice activity information is used to define speech periods and non-speech periods of the input signal Based on the voice activity information, different weighting factors are used to scale the artificial signal in speech periods and non-speech periods

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