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(54) Title: AUDIO ENCODER, AUDIO DECODER, METHODS FOR ENCODING AND DECODING AN AUDIO SIGNAL, AUDIO STREAM AND COMPUTER PROGRAM

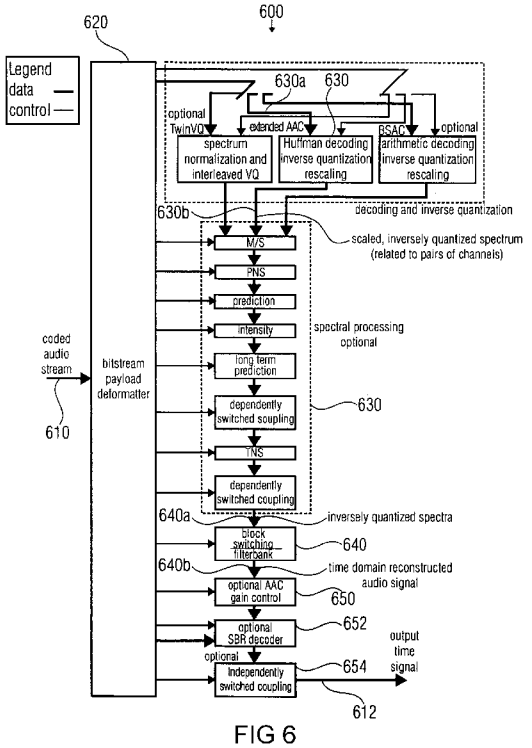

FIG 6

(57) Abstract: An encoder for providing an audio stream on the basis of a transform-domain representation of an input audio signal comprises a quantization error calculator configured to determine a multi-band quantization error over a plurality of frequency bands of the input audio signal for which separate band gain information is available. The encoder also comprises an audio stream provider configured to provide the audio stream such that the audio stream comprises an information describing an audio content of the frequency bands and an information describing the multi- band quantization error. A decoder for providing a decoded representation of an audio signal on the basis of an encoded audio stream representing spectral components of frequency bands of the audio signal comprises a noise filler configured to introduce noise into spectral components of a plurality of frequency bands to which separate frequency band gain information is associated on the basis of a common multi- band noise intensity value.

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