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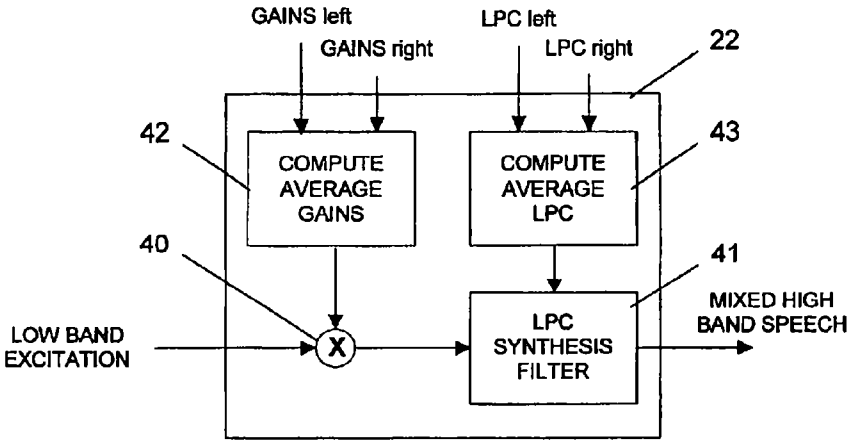
(54) Title: SYNTHESIZING A MONO AUDIO SIGNAL BASED ON AN ENCODED MILTICHANNEL AUDIO SIGNAL



(57) Abstract: The invention relates to a method of synthesizing a mono audio signal based on an available encoded multichannel audio signal. The encoded multichannel audio signal is assumed to comprise at least for a part of an audio frequency band separate parameter values for each channel of the multichannel audio signal. In order to reduce the processing load in synthesizing the mono audio signal, it is proposed that the parameter values of the multiple channels are combined at least for a part of an audio frequency band in the parameter domain. The combined parameter values are then used for synthesizing the mono audio signal. The invention relates equally to a corresponding audio decoder, to a corresponding coding system and to a corresponding software program product.

WO 2005/093717 A1

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