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(54) Title: ENCODER, DECODER AND METHODS FOR BACKWARD COMPATIBLE MULTI-RESOLUTION SPATIAL-AUDIO-OBJECT-CODING

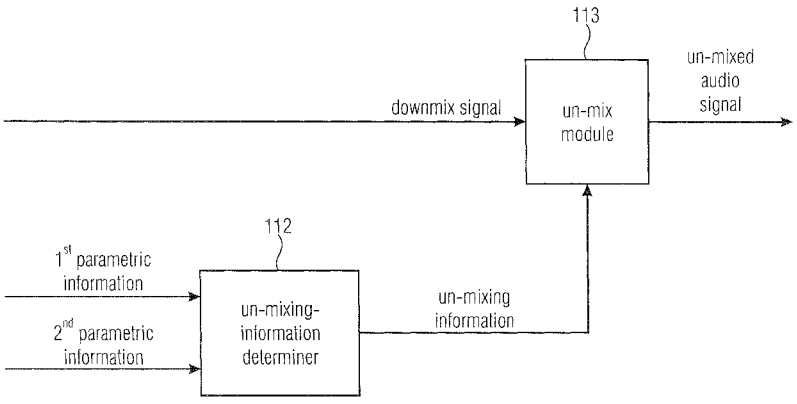

FIGURE 1A

(57) Abstract: A decoder for generating an un-mixed audio signal comprising a plurality of un-mixed audio Channels is provided. Moreover, an encoder and an encoded audio signal is provided. The decoder comprises an un-mixing-information determiner for determining un-mixing information by receiving first parametric side information on the at least one audio object signal and second parametric side information on the at least one audio object signal, wherein the frequency resolution of the second parametric side information is higher than the frequency resolution of the first parametric side information. Moreover, the decoder comprises an un-mix module for applying the un-mixing information on a downmix signal, indicating a downmix of at least one audio object signal, to obtain an un-mixed audio signal comprising the plurality of un-mixed audio Channels. The un-mixing-information determiner is configured to determine the un-mixing information by modifying the first parametric information and the second parametric information to obtain modified parametric information, such that the modified parametric information has a frequency resolution which is higher than the first frequency resolution.

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