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(54) Title: AUDIO SIGNAL ENCODER, AUDIO SIGNAL DECODER, METHOD FOR PROVIDING AN ENCODED REPRESENTATION OF AN AUDIO CONTENT, METHOD FOR PROVIDING A DECODED REPRESENTATION OF AN AUDIO CONTENT AND COMPUTER PROGRAM FOR USE IN LOW DELAY APPLICATIONS

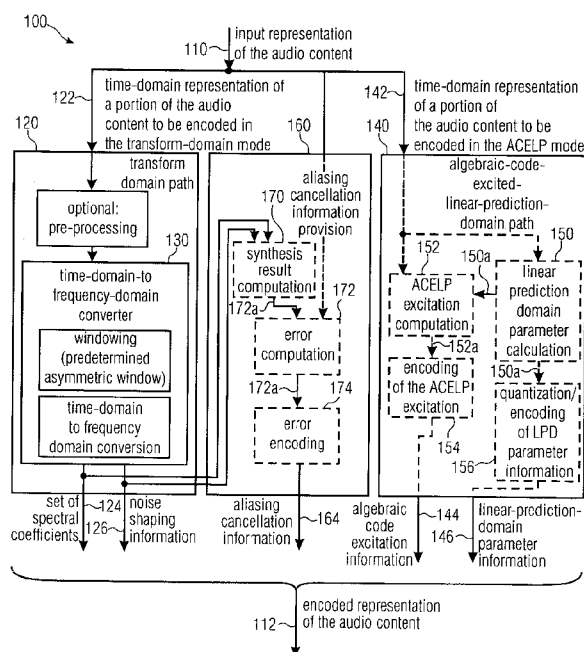


FIG 1

(57) Abstract: An audio signal encoder (100) comprises a transform-domain path (12) configured to obtain a set of spectral coefficients (124) and noise-shaping information (126) on the basis of a time-domain representation (122) of a portion of the audio content to be encoded in a transform-domain mode. The transform-domain path comprises a time-domain-to-frequency-domain converter (130) configured to window a time-domain representation of the audio content, or a pre-processed version thereof, to obtain a windowed representation of the audio content, and to apply a time-domain-to-frequency-domain conversion, to derive a set of spectral coefficients from the windowed time-domain representation of the audio content. The audio signal decoder comprises a CELP path (140) configured to obtain an code-excitation information (144) and a linear-prediction-domain parameter information (146) on the basis of a portion of the audio content to be encoded in a CELP mode. The time-domain-to-frequency-domain converter (136) is configured to apply a predetermined asymmetric analysis window (520) for a windowing of a current portion of the audio content to be encoded in the transform-domain mode and following a portion of the audio content encoded in the transform-domain mode both if the current portion of the audio content is followed by a subsequent portion of the audio content to be encoded in the transform-domain mode and if the current portion of the audio content is followed by a subsequent portion of the audio content to be encoded in the CELP mode. The audio signal encoder is configured to selectively provide an aliasing cancellation information (164) if the current portion of the audio content is followed by a subsequent portion of the audio content to be encoded in the CELP mode.



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