

Title (en)  
AUDIO ENCODER, AUDIO DECODER, AUDIO ENCODING METHOD AND AUDIO DECODING METHOD FOR DITHERED QUANTIZATION FOR FREQUENCY-DOMAIN SPEECH AND AUDIO CODING

Title (de)  
AUDIODECODIERER, AUDIODECODIERER, AUDIODECODIERUNGSVERFAHREN UND AUDIODECODIERUNGSVERFAHREN ZUR GEDITHERTEN QUANTISIERUNG FÜR FREQUENZEBENENSPRACH- UND -AUDIODECODIERUNG

Title (fr)  
ENCODEUR AUDIO, DÉCODEUR AUDIO, PROCÉDÉ DE CODAGE AUDIO ET PROCÉDÉ DE DÉCODAGE AUDIO DE QUANTIFICATION JUXTAPOSÉE POUR CODAGE VOCAL ET AUDIO DANS LE DOMAINE FRÉQUENTIEL

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Abstract (en)  
An audio encoder for encoding an audio signal, wherein the audio signal is represented in a spectral domain, is provided. The audio encoder comprises a spectral envelope encoder (110) configured for determining a spectral envelope of the audio signal and for encoding the spectral envelope. Moreover, the audio encoder comprises a spectral sample encoder (120) configured for encoding a plurality of spectral samples of the audio signal. The spectral sample encoder (120) is configured to estimate an estimated bitrate needed for encoding for each spectral sample of one or more spectral samples of the plurality of spectral samples depending on the spectral envelope. Moreover, the spectral sample encoder (120) is configured to encode each spectral sample of the plurality of spectral samples, depending on the estimated bitrate needed for encoding for the one or more spectral samples, according to a first coding rule or according to a second coding rule being different from the first coding rule.

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