Title (en)

LOW-DELAY AUDIO CODING

Title (de)

AUDIOCODIERUNG MIT GERINGER VERZÖGERUNG

Title (fr)

CODEUR AUDIO À FAIBLE RETARD

Publication

EP 3252763 A1 20171206 (EN)

Application

EP 16171853 A 20160530

Priority

EP 16171853 A 20160530

Abstract (en)

A technique for encoding a frame of an input audio signal that comprises a time series of input samples into a frame of an encoded audio signal is provided. In an example, the technique comprises encoding said frame of the input audio signal using at least two of a plurality of audio encoding modes, wherein each of said plurality of audio encoding modes is arranged to encode the frame of the input audio signal into a respective encoded signal, wherein said plurality of audio encoding modes include at least a first audio encoding mode that comprises linear predictive filtering of said time series of input samples using linear predictive filter coefficients computed using a backward prediction into a residual signal that comprises a respective time series of residual samples and quantizing the time series of residual samples, and a second audio encoding mode that comprises directly quantizing the time series of input samples, and selecting, in accordance with a mode selection rule, one of the respective encoded signals as the frame of the encoded audio signal.

IPC 8 full level

G10L 19/18 (2013.01); G10L 19/22 (2013.01)

CPC (source: EP)

G10L 19/18 (2013.01); G10L 19/22 (2013.01)

Citation (applicant)

THOMAS R. FISHER: "A pyramid Vector Quantizer", IEEE TRANSACTIONS ON INFORMATION THEORY, vol. 32, July 1986 (1986-07-01), pages 568 - 583

Citation (search report)

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- [A] US 2012093213 A1 20120419 - MORIYA TAKEHIRO [JP], et al
- [Y] EP 0417739 A2 19910320 - FUJITSU LTD [JP]
- [Y] US 2012232913 A1 20120913 - TERRIBERRY TIMOTHY B [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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