

Title (en)
A low-delay audio coder

Title (de)
Audiodekoder mit geringer Verzögerung

Title (fr)
Codeur audio à faible retard

Publication
EP 2023339 B1 20100825 (EN)

Application
EP 07113397 A 20070730

Priority
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Abstract (en)
[origin: EP2023339A1] The present invention relates to methods and devices for encoding and decoding digital audio signals, e.g. a speech signal. An audio coder and a decoder are provided wherein a modeller adds a first distribution model obtained from model parameters of past segments of the digital audio signal and a fixed distribution model, each of the models being multiplied by a weighting coefficient, for obtaining a combined distribution model. The weighting coefficients are selected to minimize a code length of a current segment of the digital audio signal. As the combined distribution model is a sum of several distribution models, wherein at least some of the models is based on the model parameters, flexibility is introduced in the signal model used to encode the digital audio signal. Thus, an audio coder and decoder providing a low bit rate in average, low bit rate variations and low error propagation are provided.

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G10L 19/00 (2006.01)

CPC (source: EP)
G10L 19/0017 (2013.01); **H04R 25/552** (2013.01); **H04R 2225/55** (2013.01)

Cited by
WO2011044898A1; CN107634888A; CN105264598A; AU2009353896B2; US10770087B2; US9232323B2; US11122379B2; US11729564B2; KR101370192B1; US10499176B2; US11146903B2; US11962990B2

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