

Title (en)

OPTIMIZED CODING AND DECODING OF SPATIALIZATION INFORMATION FOR THE PARAMETRIC CODING AND DECODING OF A MULTICHANNEL AUDIO SIGNAL

Title (de)

OPTIMIERTE CODIERUNG UND DECODIERUNG VON VERRÄUMLICHUNGSMITTELSINFORMATIONEN ZUR PARAMETRISCHEN CODIERUNG UND DECODIERUNG EINES MEHRKANALIGEN AUDIOSIGNALS

Title (fr)

CODAGE ET DÉCODAGE OPTIMISÉ D'INFORMATIONS DE SPATIALISATION POUR LE CODAGE ET LE DÉCODAGE PARAMÉTRIQUE D'UN SIGNAL AUDIO MULTICANAL

Publication

**EP 3427260 B1 20210428 (FR)**

Application

**EP 17713746 A 20170310**

Priority

- FR 1652034 A 20160310
- FR 2017050547 W 20170310

Abstract (en)

[origin: WO2017153697A1] The invention pertains to a method of parametric coding of a multichannel digital audio signal comprising a step (312) of coding a signal (M) arising from a channels reduction processing (307) applied to the multichannel signal and of coding spatialization information of the multichannel signal. The method is such that it comprises the following steps: - extraction (314, 320) of a plurality of items of spatialization information of the multichannel signal; - obtaining (315, 317) of at least one representation model of the extracted spatialization information; - determination (315, 411) of at least one angle parameter of a model obtained; - coding (316, 318) of the at least one determined angle parameter so as to code the spatialization information extracted during the coding of spatialization information. The invention also pertains to a method for decoding such a coded signal and corresponding coding and decoding devices.

IPC 8 full level

**G10L 19/008** (2013.01)

CPC (source: EP US)

**G10L 19/008** (2013.01 - EP US); **G10L 25/18** (2013.01 - US)

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

DOCDB simple family (publication)

**WO 2017153697 A1 20170914**; CN 108885876 A 20181123; CN 108885876 B 20230328; EP 3427260 A1 20190116; EP 3427260 B1 20210428; ES 2880343 T3 20211124; FR 3048808 A1 20170915; US 10930290 B2 20210223; US 11664034 B2 20230530; US 2019066701 A1 20190228; US 2021110835 A1 20210415

DOCDB simple family (application)

**FR 2017050547 W 20170310**; CN 201780015676 A 20170310; EP 17713746 A 20170310; ES 17713746 T 20170310; FR 1652034 A 20160310; US 201716083741 A 20170310; US 202017130567 A 20201222