Title (en)

ALLOCATION, BY SUB-BANDS, OF BITS FOR QUANTIFYING SPATIAL INFORMATION PARAMETERS FOR PARAMETRIC ENCODING

Title (de)

ZUWEISUNG VON BITS ANHAND VON SUBBÄNDERN ZUR QUANTIFIZIERUNG VON RAUMINFORMATIONSPARAMETERN FÜR PARAMETRISCHE CODIERUNG

Title (fr)

ALLOCATION PAR SOUS-BANDES DE BITS DE QUANTIFICATION DE PARAMÈTRES D'INFORMATION SPATIALE POUR UN CODAGE PARAMÉTRIQUE

Publication

EP 2691952 B1 20200429 (FR)

Application

EP 12717796 A 20120328

Priority
- FR 1152602 A 20110329
- FR 2012050649 W 20120328

Abstract (en)

[origin: WO2012131253A1] The present invention relates to a method for allocating bits for quantifying spatial information parameters by frequency sub-band for the parametric encoding/decoding of a multichannel audio stream representative of a soundstage consisting of a plurality of sound sources. Said method comprises a step of quantifying or inversely quantifying, by frequency sub-band, spatial information parameters for the sound sources of the soundscape. The method is characterized in that it comprises the following steps: assessing (E203) a spatial resolution of the current sub-band on the basis of the spectral properties of the sub-band; and determining (E204) a number of bits to be allocated to the current sub-band, the number of bits to be allocated being inversely proportional to the estimated spatial resolution. The invention also relates to a device for allocating quantification bits implementing the above-described method.

IPC 8 full level

G10L 19/002 (2013.01); **G10L 19/008** (2013.01); **G10L 19/02** (2013.01)

CPC (source: EP US)

G10L 19/002 (2013.01 - EP US); **G10L 19/008** (2013.01 - EP US); **G10L 19/0204** (2013.01 - EP 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 2012131253 A1 20121004; EP 2691952 A1 20140205; EP 2691952 B1 20200429; FR 2973551 A1 20121005; US 2014219459 A1 20140807; US 9263050 B2 20160216

DOCDB simple family (application)

FR 2012050649 W 20120328; EP 12717796 A 20120328; FR 1152602 A 20110329; US 201214008418 A 20120328