Title (en)
QUANTIFICATION AFTER LINEAR CONVERSION COMBINING AUDIO SIGNALS OF A SOUND SCENE, AND RELATED ENCODER

Title (de)
QUANTIFIZIERUNG NACH LINEARER UMWANDLUNG DURCH KOMBINATION VON AUDIOSIGNALEN EINER KLANGSZENE UND KODIERGERÄT DAFÜR

Title (fr)
QUANTIFICATION APRES TRANSFORMATION LINEAIRE COMBINANT LES SIGNAUX AUDIO D'UNE SCENE SONORE, CODEUR ASSOCIE

Publication
EP 2168121 A1 20100331 (FR)

Application
EP 08806144 A 20080701

Priority
- FR 2008051220 W 20080701
- FR 0704794 A 20070703

Abstract (en)
[origin: WO2009007639A1] The invention relates to a method for quantifying components $((y_j)_{1 \le j \le r})$, wherein certain components are each determined based on a plurality of audio signals $((s_j)_{1 \le j \le N})$ and can be calculated by the application of a linear conversion on the audio signals, said method comprising: determining a quantification function (Q_m) to be applied to the components by testing a condition relative to an audio signal (S_i) and depending on a comparison made between a psycho-acoustic masking threshold $(M_m t(s,i))$ relative to the audio signal and a value determined based on the reverse linear conversion and quantification errors of the components by the function.

IPC 8 full level
G10L 19/00 (2006.01); **G06F 17/10** (2006.01); **G10L 19/008** (2013.01); **G10L 19/02** (2006.01); **G10L 19/032** (2013.01); **H03M 7/30** (2006.01); **H04S 3/00** (2006.01); **H04S 3/02** (2006.01)

CPC (source: EP US)
G10L 19/008 (2013.01 - EP US); **G10L 19/032** (2013.01 - EP US); **H04S 3/008** (2013.01 - EP US); **H04S 3/02** (2013.01 - EP US); H04S 2420/01 (2013.01 - EP US)

Citation (search report)
See references of WO 2009007639A1

Cited by
CN112634913A; US11741973B2; US11146903B2; US11962990B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009007639 A1 20090115; EP 2168121 A1 20100331; EP 2168121 B1 20180606; US 2010198585 A1 20100805; US 8612220 B2 20131217

DOCDB simple family (application)
FR 2008051220 W 20080701; EP 08806144 A 20080701; US 66740108 A 20080701