Title (en)

VIRTUAL SOURCE LOCATION INFORMATION BASED CHANNEL LEVEL DIFFERENCE QUANTIZATION AND DEQUANTIZATION

Title (de)

AUF VIRTUELLEN QUELLENPOSITIONSINFORMATIONEN BASIERTE QUANTISIERUNG UND DEQUANTISIERUNG VON KANALNIVEAUUNTERSCHIEDEN

Title (fr)

QUANTIFICATION ET DEQUANTIFICATION DE LA DIFFERENCE DE NIVEAUX DE CANAL BASEE SUR LES INFORMATIONS DE LOCALISATION DE SOURCES VIRTUELLES

Publication

EP 1905034 B1 20110601 (EN)

Application

EP 06783342 A 20060719

Priority

- KR 2006002824 W 20060719
- KR 20050065515 A 20050719
- KR 20050096256 A 20051012
- KR 20060066822 A 20060718

Abstract (en)

[origin: WO2007011157A1] Methods for Spatial Audio Coding (SAC) of a multi-channel audio signal and decoding of an audio bitstream generated by the SAC are provided. More particularly, methods of efficient quantization and dequantization of Channel Level Difference (CLD) used as a spatial parameter when SAC -based encoding of a multi-channel audio signal is performed are provided. A method of CLD quantization includes extracting sub-band-specific CLDs from an N-channel audio signal (N>1), and quantizing the CLDs by reference to a Virtual Source Location Information (VSLI)-based CLD quantization table designed using CLD quantization values derived from VSLI quantization values of the N-channel audio signal.

IPC 8 full level

G10L 19/00 (2006.01); **G10L 19/008** (2013.01); **G10L 19/02** (2006.01); **G10L 19/032** (2013.01)

CPC (source: EP)

G10L 19/008 (2013.01); **G10L 19/032** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007011157 A1 20070125; EP 1905034 A1 20080402; EP 1905034 A4 20091125; EP 1905034 B1 20110601

DOCDB simple family (application)

KR 2006002824 W 20060719; EP 06783342 A 20060719