

Title (en)

METHOD FOR THE TREATMENT OF COMPRESSED SOUND DATA FOR SPATIALIZATION

Title (de)

VERFAHREN ZUM BEARBEITEN KOMPRIMIERTER AUDIODATEN ZUR RÄUMLICHEN WIEDERGABE

Title (fr)

PROCEDE DE TRAITEMENT DE DONNEES SONORES COMPRESSEES, POUR SPATIALISATION

Publication

EP 1600042 A1 20051130 (FR)

Application

EP 04712070 A 20040218

Priority

- FR 2004000385 W 20040218
- FR 0302397 A 20030227

Abstract (en)

[origin: US2006198542A1] The invention relates to the treatment of sound data for spatialized restitution of acoustic signals. At least one first and one second series of weighting terms are obtained for each acoustic signal, said terms representing a direction of perception of said acoustic signal by a listener. The acoustic signals are then applied to at least two sets of filtering units, which are disposed in parallel, in order to provide at least one first and one second output signal (L,R), corresponding to a linear combination of signals provided by said filtering units, which are respectively weighted by the weighting terms of the first and second series. According to the invention, each acoustic signal to be treated is at least partially compression coded and is expressed in the form of a vector of sub-signals associated with respective frequency sub-bands. Matrix filtering applied to each vector is carried out by each filtering unit in the space of the frequential sub-bands.

IPC 1-7

H04S 3/02

IPC 8 full level

H04S 3/00 (2006.01); **H04S 3/02** (2006.01)

CPC (source: EP US)

H04S 3/008 (2013.01 - EP US); **H04S 3/02** (2013.01 - EP US); **H04S 2400/01** (2013.01 - EP US); **H04S 2420/01** (2013.01 - EP US)

Citation (search report)

See references of WO 2004080124A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2006198542 A1 20060907; AT E336151 T1 20060915; DE 602004001868 D1 20060921; DE 602004001868 T2 20070308; EP 1600042 A1 20051130; EP 1600042 B1 20060809; ES 2271847 T3 20070416; FR 2851879 A1 20040903; WO 2004080124 A1 20040916

DOCDB simple family (application)

US 54731104 A 20040218; AT 04712070 T 20040218; DE 602004001868 T 20040218; EP 04712070 A 20040218; ES 04712070 T 20040218; FR 0302397 A 20030227; FR 2004000385 W 20040218