

Title (en)  
RECONSTRUCTION OF MULTI-CHANNEL AUDIO DATA

Title (de)  
REKONSTRUKTION VON MEHRKANAL-AUDIODATEN

Title (fr)  
RECONSTRUCTION DE DONNÉES AUDIO MULTICANAL

Publication  
**EP 2319037 B1 20120509 (FR)**

Application  
**EP 09802568 A 20090703**

Priority  
• FR 2009051304 W 20090703  
• FR 0855249 A 20080730

Abstract (en)  
[origin: US8867752B2] A method for processing sound data is provided for the reconstruction of multi-channel audio data on the basis at least of data on a reduced number of channels and of spatialization data. A test is carried out to determine whether the spatialization data received are valid. If the test is positive, a spatialization value is predicted according to a per respective model of a plurality of models. A prediction model is chosen on the basis of the spatialization values thus predicted and on the basis of the spatialization data received, to permit, in case of subsequent reception of defective spatialization data, a prediction according to this chosen model of a spatialization value and to use this predicted spatialization value for the reconstruction of the multi-channel audio data.

IPC 8 full level  
**G10L 19/00** (2006.01); **G10L 19/005** (2013.01); **G10L 19/008** (2013.01); **H04S 1/00** (2006.01); **H04S 3/00** (2006.01)

CPC (source: EP KR US)  
**G10L 19/005** (2013.01 - EP US); **G10L 19/008** (2013.01 - EP KR US); **H04S 3/02** (2013.01 - EP US); **H04R 2420/03** (2013.01 - EP US)

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010012927 A1 20100204**; AT E557387 T1 20120515; CN 102138177 A 20110727; CN 102138177 B 20140528; EP 2319037 A1 20110511; EP 2319037 B1 20120509; ES 2387869 T3 20121003; JP 2011529579 A 201111208; JP 5421367 B2 20140219; KR 101590919 B1 20160202; KR 20110065447 A 20110615; US 2011129092 A1 20110602; US 8867752 B2 20141021

DOCDB simple family (application)  
**FR 2009051304 W 20090703**; AT 09802568 T 20090703; CN 200980134855 A 20090703; EP 09802568 A 20090703; ES 09802568 T 20090703; JP 2011520560 A 20090703; KR 20117004404 A 20090703; US 200913056169 A 20090703