

Title (en)
METHOD AND SYSTEM OF BROADCASTING A 360° AUDIO SIGNAL

Title (de)
VERFAHREN UND SYSTEM ZUM SENDEN EINES 360°-AUDIOSIGNALS

Title (fr)
PROCÉDÉ ET SYSTÈME DE DIFFUSION D'UN SIGNAL AUDIO À 360°

Publication
EP 3449643 A1 20190306 (FR)

Application
EP 17725294 A 20170420

Priority
• FR 1653684 A 20160426
• FR 2017050935 W 20170420

Abstract (en)
[origin: WO2017187053A1] This invention relates to a method of processing a sound signal that comprises the following steps: ·Synchronous reception of an input sound signal (Sinput) by means of N microphones, N being a natural number greater than or equal to three; ·Encoding of the said input sound signal (Sinput) in a data format (D) of sound, said encoding comprising a sub-step of transforming the input signal into an ambisonic format of order R, R being a natural number greater than or equal to one; the said sub-step of transformation into an ambisonic format is carried out by means of a Fast Fourier Transform, a matrix multiplication, an Inverse Fast Fourier Transform and by means of a band pass filter; and ·Return of an output sound signal (Soutput) by means of digital processing of the sound data (D). This invention also relates to a system of processing a sound signal.

IPC 8 full level
H04R 3/00 (2006.01); **H04R 1/40** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)
H04R 1/406 (2013.01 - EP US); **H04R 3/005** (2013.01 - EP US); **H04S 7/302** (2013.01 - US); **H04S 7/304** (2013.01 - EP US);
H04S 2400/15 (2013.01 - EP US); **H04S 2420/11** (2013.01 - EP US)

Citation (search report)
See references of WO 2017187053A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3050601 A1 20171027; FR 3050601 B1 20180622; CN 109661824 A 20190419; EP 3449643 A1 20190306; EP 3449643 B1 20200610;
US 10659902 B2 20200519; US 2019132695 A1 20190502; WO 2017187053 A1 20171102

DOCDB simple family (application)
FR 1653684 A 20160426; CN 201780034334 A 20170420; EP 17725294 A 20170420; FR 2017050935 W 20170420;
US 201716096339 A 20170420