

Title (en)

Hearing aid for a binaural supply and method for providing a binaural supply

Title (de)

Hörvorrichtung für eine binaurale Versorgung und Verfahren zum Bereitstellen einer binauralen Versorgung

Title (fr)

Appareil auditif pour un traitement binaural et procédé destiné à préparer un traitement binaural

Publication

EP 2645743 B1 20171011 (DE)

Application

EP 13160285 A 20130321

Priority

DE 102012204877 A 20120327

Abstract (en)

[origin: EP2645743A1] The device has an ear part (10) with a set of microphones (12) having a signal processing unit (V) that is arranged to receive a set of microphone signals (M1, M2). The ear part comprises a beam forming device (34) or differential beamformer and a transmitting unit (32), where the beam forming device receives the microphone signals from the signal processing unit. The transmitting unit transmits an output signal (S2) as an electric or electromagnetic signal from the ear part. An independent claim is also included for a method for operating a binaural fitting.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 5/00 (2013.01 - US); **H04R 25/405** (2013.01 - EP US); **H04R 25/407** (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US); **H04R 2410/01** (2013.01 - EP US); **H04R 2430/21** (2013.01 - EP US)

Citation (opposition)

Opponent : GN Hearing A/S, Widex A/S, and Oticon A/S

- DE 102012204877 B3 20130418 - SIEMENS MEDICAL INSTR PTE LTD [SG]
- US 2010135500 A1 20100603 - DERLETH RALPH PETER [CH], et al
- WO 2009072040 A1 20090611 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- US 2011116666 A1 20110519 - DITTBERNER ANDREW [US], et al
- DOLCO ET AL.: "Reduced-bandwidth and distributed MWF-based noise reduction algorithms for binaural hearing aids", IEEE TRANSACTIONS ON AUDIO , SPEECH, AND LANGUAGE PROCESSING, vol. 17, no. 1, January 2009 (2009-01-01), pages 38 - 51, XP011241217

Cited by

US9949041B2

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

DOCDB simple family (publication)

DE 102012204877 B3 20130418; DK 2645743 T3 20180115; EP 2645743 A1 20131002; EP 2645743 B1 20171011; US 2013259239 A1 20131003; US 9253571 B2 20160202

DOCDB simple family (application)

DE 102012204877 A 20120327; DK 13160285 T 20130321; EP 13160285 A 20130321; US 201313851504 A 20130327