

Title (en)

Binaural hearing-aid and method for operating a binaural hearing aid with frequency warping

Title (de)

Binaurale Hörvorrichtung und Verfahren zum Betrieb einer binauralen Hörvorrichtung mit Frequenzverzerrung

Title (fr)

Appareil auditif binaural et procédé de fonctionnement d'un tel dispositif auditif binaural avec ajustement fréquentiel non linéaire

Publication

EP 2252081 A3 20131113 (DE)

Application

EP 10157539 A 20100324

Priority

DE 102009021310 A 20090514

Abstract (en)

[origin: EP2252081A2] The method involves deforming frequencies of acoustic signals or signal portions received by a left hearing aid (11) and a right hearing aid (12) of a hearing device, respectively, where the frequency deformations of the hearing aids are different from each other. The frequencies of the acoustic signals or the signal portions received by the hearing aids are deformed antisymmetrical to each other. The frequency deformations of the hearing aids are laterally changed and binaurally coupled with each other. An independent claim is also included for a binaural hearing device comprising two frequency deformation units arranged in a left hearing aid and a right hearing aid.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/353 (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US)

Citation (search report)

- [XA] US 2009074197 A1 20090319 - NEHER TOBIAS [DK], et al
- [X] WO 2005015952 A1 20050217 - VAST AUDIO PTY LTD [AU], et al
- [X] EP 1742509 A1 20070110 - OTICON AS [DK]
- [A] WO 2006101571 A2 20060928 - VESELY MICHAEL A [US], et al

Cited by

EP3373599A1; US10674283B2

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

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2252081 A2 20101117; EP 2252081 A3 20131113; EP 2252081 B1 20150617; DE 102009021310 A1 20101230;
DE 102009021310 B4 20110224; DK 2252081 T3 20150928; US 2010290631 A1 20101118; US 8611571 B2 20131217

DOCDB simple family (application)

EP 10157539 A 20100324; DE 102009021310 A 20090514; DK 10157539 T 20100324; US 77998110 A 20100514