Title (en)

Method for evaluating the acoustical feedback behaviour of a hearing aid according to the geometric data of an ear

Title (de)

Verfahren zur Ermittlung des akustischen Rückkopplungsverhaltens eines Hörgeräts anhand von geometrischen Daten eines Ohrs

Title (fr)

Procédé d'évaluation du comportement de la contre-réaction acoustique d'un appareil auditif selon les données géométriques d'une oreille

Publication

EP 2214424 A3 20150107 (DE)

Application

EP 09178596 A 20091210

Priority

DE 102009007079 A 20090202

Abstract (en)

[origin: EP2214424A2] The method involves determining geometry of a hearing process and/or auricle of an ear. An acoustic feedback (FB) of a hearing aid is determined from the determined geometry by comparing the determined geometry of the ear and the geometry of the hearing aid. An open loop gain (OLG) is determined from the determined acoustic feedback. The comparison is carried out by virtual projection of three-dimensional data of the geometry of the hearing aid in the determined three-dimensional geometry of the ear. An independent claim is also included for a computer program product having a computer program including a software unit for implementing a method for determining an acoustic feedback of a hearing aid when the computer program is implemented in a control unit.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 25/456** (2013.01 - EP US)

Citation (search report)

- [I] EP 1830602 A1 20070905 - PHONAK AG [CH]
- [I] US 2007217639 A1 20070920 - STIRNEMANN ALFRED [CH]
- [A] US 2008031477 A1 20080207 - VON BUOL ANDREAS [CH], et al
- [A] WO 2007045271 A1 20070426 - WIDEX AS [DK], et al

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CN110269626A

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 RS

DOCDB simple family (publication)

EP 2214424 A2 20100804; **EP 2214424 A3 20150107**; DE 102009007079 A1 20100812; US 2010195856 A1 20100805

DOCDB simple family (application)

EP 09178596 A 20091210; DE 102009007079 A 20090202; US 69754410 A 20100201