

Title (en)
AN IN-THE-EAR HEARING AID HAVING COMBINED ANTENNAS

Title (de)
IN-OHR-HÖRGERÄT MIT KOMBINIERTEN ANTENNEN

Title (fr)
PROTHÈSE AUDITIVE INTRA-AURICULAIRE AYANT DES ANTENNES COMBINÉES

Publication
EP 3122071 A1 20170125 (EN)

Application
EP 15177659 A 20150721

Priority
EP 15177659 A 20150721

Abstract (en)
Disclosed is an in-the-ear hearing aid, the hearing aid having a first end and a second end, the hearing aid comprising a microphone configured to receive an audio signal, a printed circuit board comprising a processing unit configured to process the audio signal for compensating a hearing loss of a user, a receiver configured to transmit the processed audio signal, a battery having a first side and a second side, where the battery is provided at the second end of the hearing aid, one or more wireless communication units for wireless communication, a first antenna for emission and/or reception of an electromagnetic field being interconnected with one of the one or more wireless communication units, where the first antenna is provided at the second end of the hearing aid, and a second antenna for emission and/or reception of an electromagnetic field being interconnected with one of the one or more wireless communication units, where the second antenna is provided at the second end of the hearing aid, wherein the second antenna is provided at the second side of the battery, wherein the printed circuit board is provided at the first side of the battery, and wherein the first antenna is fed from the printed circuit board at the first side of the battery and extends to the second side of the battery.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP)
H04R 25/554 (2013.01); **H04R 2225/49** (2013.01); **H04R 2225/51** (2013.01)

Citation (search report)

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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)
EP 3122071 A1 20170125; EP 3122071 B1 20180829; DK 3122071 T3 20181008; EP 3442246 A1 20190213; EP 3886464 A1 20210929; EP 4358543 A2 20240424

DOCDB simple family (application)
EP 15177659 A 20150721; DK 15177659 T 20150721; EP 18190641 A 20150721; EP 21172399 A 20150721; EP 24161480 A 20150721