

Title (en)

HEARING AID WITH ANTENNA ON PRINTED CIRCUIT BOARD

Title (de)

HÖRGERÄT MIT ANTENNE AUF EINER LEITERPLATTE

Title (fr)

APPAREIL AUDITIF ÉQUIPÉ D'UNE ANTENNE SUR CARTE DE CIRCUIT IMPRIMÉ

Publication

EP 3185583 A1 20170628 (EN)

Application

EP 15201496 A 20151221

Priority

EP 15201496 A 20151221

Abstract (en)

Disclosed is a hearing aid comprising a microphone configured to receive sound, a processing unit configured to provide a processed audio signal for compensating a hearing loss of a user, a printed circuit board comprising a first layer, an antenna provided as an electrically conducting material on the first layer, a wireless communication unit for wireless communication, a polarization element configured for forming the polarization of the antenna, where the polarization element is provided on a flexible printed circuit board, and where the flexible printed circuit board comprises at least a first flexible printed circuit board.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/00 (2013.01); **H04R 2225/51** (2013.01)

Citation (search report)

- [Y] EP 2458674 A2 20120530 - GN RESOUND AS [DK]
- [Y] EP 2824942 A1 20150114 - STARKEY LAB INC [US]
- [Y] US 2011260929 A1 201111027 - ALI SHIROOK M [CA], et al
- [Y] WO 2006020923 A2 20060223 - INTERDIGITAL TECH CORP [US], et al

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EP3890352A1; EP4054208A1; US11894599B2; US11582567B2; US11924615B2; WO2019236501A1

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 3185583 A1 20170628; EP 3185583 B1 20190220; DK 3185583 T3 20190423; EP 3493558 A1 20190605

DOCDB simple family (application)

EP 15201496 A 20151221; DK 15201496 T 20151221; EP 19152788 A 20151221