

Title (en)

A HEARING AID HAVING AN ADAPTIVE ANTENNA MATCHING MECHANISM AND A METHOD FOR ADAPTIVELY MATCHING A HEARING AID ANTENNA

Title (de)

HÖRGERÄT MIT MECHANISMUS ZUR ADAPTIVEN ANTENNENANPASSUNG UND VERFAHREN ZUR ADAPTIVEN ANPASSUNG EINER HÖRGERÄTEANTENNE

Title (fr)

AIDE AUDITIVE COMPRENANT UN MÉCANISME DE MISE EN CORRESPONDANCE D'ANTENNE ADAPTATIVE ET PROCÉDÉ DE MISE EN CORRESPONDANCE ADAPTATIVE D'ANTENNE D'AIDE AUDITIVE

Publication

EP 3525491 A1 20190814 (EN)

Application

EP 19167115 A 20121228

Priority

- EP 19167115 A 20121228
- EP 12199666 A 20121228

Abstract (en)

A method of matching a hearing aid antenna in a hearing aid in accordance with a detected signal strength of a received communications signal is provided. The hearing aid having a first hearing aid (121) to be positioned at one ear of a user, the method comprising receiving the communications signal by a wireless communications unit (131) in the first hearing aid (121) or in a hearing aid accessory or in a hearing aid fitting system, detecting a signal strength of the received communications signal and control a matching mechanism positioned in the first hearing aid (121) to obtain optimized antenna reception and/or transmission according to the detected signal strength. The antenna reception/transmission is configured for operation at a frequency of at least 800 MHz.

IPC 8 full level

H04R 25/00 (2006.01); **H01Q 1/27** (2006.01)

CPC (source: EP US)

H01Q 1/273 (2013.01 - EP US); **H04R 25/554** (2013.01 - EP); **H04R 25/30** (2013.01 - EP); **H04R 25/305** (2013.01 - EP); **H04R 25/552** (2013.01 - EP); **H04R 25/558** (2013.01 - EP); **H04R 25/607** (2019.04 - EP US); **H04R 25/70** (2013.01 - EP); **H04R 2225/0216** (2019.04 - EP US); **H04R 2225/51** (2013.01 - EP)

Citation (applicant)

- US 2009196444 A1 20090806 - SOLUM JEFFREY PAUL [US]
- WO 2009156879 A1 20091230 - NXP BV [NL], et al
- US 2004037442 A1 20040226 - NIELSEN PETER OSTERGAARD [DK], et al

Citation (search report)

- [XYI] US 2009075601 A1 20090319 - NEZHAD-AHMADI MOHAMMAD-REZA [CA], et al
- [YD] US 2009196444 A1 20090806 - SOLUM JEFFREY PAUL [US]
- [A] WO 2009156879 A1 20091230 - NXP BV [NL], et al
- [A] US 2012064894 A1 20120315 - LIU YINONG [CN], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2750408 A1 20140702; **EP 2750408 B1 20190501**; DK 2750408 T3 20190611; EP 3525491 A1 20190814

DOCDB simple family (application)

EP 12199666 A 20121228; DK 12199666 T 20121228; EP 19167115 A 20121228