

Title (en)

ITE HEARING AID WITH IMPROVED WIRELESS COMMUNICATION

Title (de)

IN-OHR-HÖRGERÄT MIT VERBESSERTER DRAHTLOSKOMMUNIKATION

Title (fr)

PROTHÈSE AUDITIVE INTRACONDUIT AVEC AMÉLIORATION DE COMMUNICATION SANS FIL

Publication

**EP 3174314 B1 20200401 (EN)**

Application

**EP 15196261 A 20151125**

Priority

EP 15196261 A 20151125

Abstract (en)

[origin: EP3174314A1] 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 sound, a processing unit configured to provide a processed audio signal for compensating a hearing loss of a user, an output transducer for providing an acoustic output, an antenna and a wireless communication unit for wireless communication, where the antenna is provided closer to the first end than to the second end of the hearing aid, and a polarization element configured for forming the polarization of the antenna, where the polarization element is provided between the first end and the second end of the hearing aid.

IPC 8 full level

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

CPC (source: EP US)

**H01Q 1/273** (2013.01 - EP); **H04R 25/552** (2013.01 - EP US); **H04R 25/554** (2013.01 - EP); **H04R 25/60** (2013.01 - EP US); **H04R 25/609** (2019.04 - EP US); **H04R 2225/025** (2013.01 - EP); **H04R 2225/49** (2013.01 - EP); **H04R 2225/51** (2013.01 - EP)

Cited by

EP3780267A1; US11785400B2; US11451911B2; EP3629603B1

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

DOCDB simple family (publication)

**EP 3174314 A1 20170531**; **EP 3174314 B1 20200401**; DK 3174314 T3 20200602; EP 3681176 A1 20200715

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**EP 15196261 A 20151125**; DK 15196261 T 20151125; EP 20159290 A 20151125