Title (en)

Bte hearing aid having a balanced antenna

Title (de)

BTE-Hörgerät mit ausgeglichener Antenne

Title (fr)

Prothèse auditive BTE possédant une antenne équilibrée

Publication

EP 2723101 A3 20140604 (EN)

Application

EP 13175258 A 20130705

Priority

- DK PA201270412 A 20120706
- DK PA201270411 A 20120706
- DK PA201270410 A 20120706

Abstract (en)

[origin: EP2723101A2] An behind the ear hearing aid is disclosed comprising a microphone for reception of sound and conversion into a corresponding audio signal, a signal processor for processing the audio signal, a receiver for converting the audio signal to an output sound signal and a transceiver for wireless data communication being interconnected with an antenna for emission and reception of an electromagnetic field. The antenna extends on a first side of the hearing aid and a second side of the hearing aid and a first segment of the antenna extends from proximate the first side of the hearing aid to proximate the second side of the hearing aid. A feed system is provided for exciting the antenna to thereby induce a current in at least the first segment, wherein the feed system is configured such that the current induced in the first segment has a first local maxima proximate the first side of the hearing aid and a second local maxima proximate the second side of the hearing aid.

IPC 8 full level

H04R 25/00 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/27** (2006.01); **H01Q 9/24** (2006.01)

CPC (source: EP US)

H01Q 1/24 (2013.01 - EP US); **H01Q 1/273** (2013.01 - EP); **H01Q 9/24** (2013.01 - EP); **H04R 25/554** (2013.01 - EP); H04R 25/552 (2013.01 - EP); H04R 2225/021 (2013.01 - EP US); H04R 2225/51 (2013.01 - EP)

Citation (search report)

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- [Y] US 2012093324 A1 20120419 - SINASI OEZDEN [DK]
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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 2723101 A2 20140423; **EP 2723101 A3 20140604**; **EP 2723101 B1 20181024**; DK 2723101 T3 20190204; DK 3468230 T3 20220829; EP 3468230 A1 20190410; EP 3468230 B1 20220629

DOCDB simple family (application)

EP 13175258 A 20130705; DK 13175258 T 20130705; DK 18202039 T 20130705; EP 18202039 A 20130705