

Title (en)

BTE HEARING AID HAVING A BALANCED ANTENNA

Title (de)

BTE-HÖRGERÄT MIT EINER AUSGEGLICHENEN ANTENNE

Title (fr)

PROTHÈSE AUDITIVE BTE POSSÉDANT UNE ANTENNE ÉQUILIBRÉE

Publication

EP 3468230 A1 20190410 (EN)

Application

EP 18202039 A 20130705

Priority

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- DK PA201270411 A 20120706
- DK PA201270410 A 20120706
- EP 13175258 A 20130705

Abstract (en)

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

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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 (applicant)

- WO 2005081583 A1 20050901 - OTICON AS [DK], et al
- US 2010/20994 B

Citation (search report)

- [XYI] US 2010158293 A1 20100624 - POLINSKE BEAU JAY [US], et al
- [Y] US 2012093324 A1 20120419 - SINASI OEZDEN [DK]
- [Y] US 4924237 A 19900508 - HONDA KAZUHIRO [JP], et al

Designated contracting state (EPC)

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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)

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