

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 B1 20181024 (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)

Cited by
US10595138B2; US9686621B2; CN104640044A; CN112928478A; CN110100353A; CN105376686A; JP2016042698A; EP3029959A1; CN105680167A; CN111405447A; EP3404934A1; US9237405B2; US11011845B2; US9293814B2; WO2018113920A1; US9554219B2; US10785584B2; US10764695B2; EP2985834A1; EP2986030A1; EP3567672A1; CN110460943A; EP3952343A1; US10804599B2; EP2835862B1; US9402141B2; US10070232B2; US10827289B2; US9729979B2; US10187734B2; US10390150B2; US10728679B2; US9237404B2; US9369813B2; US9408003B2; US10256529B2; US10581144B2; US10886603B2; US11729561B2; EP2871861B1; US9446233B2; US9883295B2; US9936312B2; US10219084B2; US11122376B2; US11123559B2; US11491331B2; US11671772B2; US11819690B2; US12011593B2; EP2986030B1

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

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