

Title (en)  
A hearing aid with an antenna

Title (de)  
Hörgerät mit Antenne

Title (fr)  
Aide auditive avec antenne

Publication  
**EP 2986030 B1 20210526 (EN)**

Application  
**EP 14181151 A 20140815**

Priority  
EP 14181151 A 20140815

Abstract (en)  
[origin: EP2986030A1] This disclosure provides a hearing aid comprising an assembly. The assembly comprises a microphone for reception of sound and conversion of the received sound into a corresponding first audio signal, and a signal processor for processing the first audio signal into a second audio signal compensating a hearing loss of a user of the hearing aid. The assembly comprises a wireless communication unit configured for wireless communication connected with an antenna for emission and/or reception of an electromagnetic field. The antenna comprises a first feed point connected to the wireless communication unit; and a second feed point. The antenna comprises a first branch connected to the first feed point.

IPC 8 full level  
**H04R 25/00** (2006.01); **H01Q 1/27** (2006.01)

CPC (source: EP)  
**H01Q 1/273** (2013.01); **H01Q 9/26** (2013.01); **H04R 25/00** (2013.01); **H04R 2225/51** (2013.01)

Citation (examination)  
"Transmission Line Design Handbook", 1 January 1991, ARTECH HOUSE, Norwood, MA, USA, ISBN: 978-0-89006-436-8, article BRIAN WADELL:  
"Chapter 4.2. Coaxial lines", pages: 183 - 186, XP055641975

Citation (opposition)  
Opponent : Oticon A/S  
• US 2014010394 A1 20140109 - KVIST SOREN [DK]  
• EP 2723101 A2 20140423 - GN RESOUND AS [DK]  
• EP 2765650 A1 20140813 - NXP BV [NL]  
• EP 2458674 A2 20120530 - GN RESOUND AS [DK]  
• EP 2680366 A1 20140101 - GN RESOUND AS [DK]  
• EP 2750409 A1 20140702 - GN RESOUND AS [DK]  
• "Dipole antenna ", WIKIPEDIA, 17 June 2014 (2014-06-17), XP055904249, Retrieved from the Internet <URL:https://en.wikipedia.org/w/index.php?title=Dipole\_antenna&oldid=613350367> [retrieved on 20220322]

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DE102017219882B3; EP3780267A1; EP3451701A1; CN109429163A; US2015036854A1; US9635475B2; EP3484179A1; EP3499913A1; EP3846499A1; US10231066B2; US11451911B2; US10834511B2; US10694302B2; US11463825B2; US11792582B2

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 2986030 A1 20160217; EP 2986030 B1 20210526**; DK 2986030 T3 20210809; EP 3952343 A1 20220209

DOCDB simple family (application)  
**EP 14181151 A 20140815**; DK 14181151 T 20140815; EP 21173453 A 20140815