

Title (en)
A hearing aid with an antenna

Title (de)
Hörgerät mit Antenne

Title (fr)
Aide auditive avec antenne

Publication
EP 2985834 A1 20160217 (EN)

Application
EP 14181165 A 20140815

Priority
EP 14181165 A 20140815

Abstract (en)
This disclosure presents 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, 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, and a wireless communication unit configured for wireless communication. The assembly of the hearing aid comprises an antenna system. The antenna system comprises a first feeding structure and a radiating segment. The first feeding structure is connected or coupled to the wireless communication unit. The radiating segment may be adjacent to and galvanic disconnected from at least a part of the first feeding structure. The at least a part of the first feeding structure is galvanic disconnected from the radiating segment if a capacitive coupling between the at least a part of the first feeding structure and the radiating segment is between 0.5 pF and 20 pF.

IPC 8 full level
H01Q 1/27 (2006.01)

CPC (source: EP)
H01Q 1/273 (2013.01); **H04R 25/554** (2013.01); **H04R 25/552** (2013.01); **H04R 2225/51** (2013.01)

Citation (search report)
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• [Y] EP 1594188 A1 20051109 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [Y] WO 2014090420 A1 20140619 - SIEMENS MEDICAL INSTR PTE LTD [SG], et al

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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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