

Title (en)  
A HEARING AID HAVING COMBINED ANTENNAS

Title (de)  
HÖRGERÄT MIT KOMBINIERTEN ANTENNEN

Title (fr)  
PROTHÈSE AUDITIVE À ANTENNES COMBINÉES

Publication  
**EP 3503589 A1 20190626 (EN)**

Application  
**EP 19157184 A 20150622**

Priority  
• EP 19157184 A 20150622  
• EP 15001843 A 20150622

Abstract (en)  
A hearing aid having a hearing aid housing, the hearing aid housing having a first end and a second end, is provided, comprising a microphone configured to receive an audio signal, a processing unit configured to process the audio signal for compensating a hearing loss of a user, a speaker for providing the processed audio signal to the user, a battery, one or more wireless communication units for wireless communication, a first antenna and a second antenna for emission and/or reception of an electromagnetic field being interconnected with each one of the one or more wireless communication units. The battery is provided closer to a second end of the hearing aid than to a first end of the hearing aid, and the second antenna is provided between the battery, such as between a center axis of the battery, and the second end of the hearing aid. It is an advantage of the hearing aid that a first antenna and a second antenna are provided in the hearing aid, increasing the wireless communication capabilities of the hearing aid.

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP)  
**H04R 25/554** (2013.01); **H04R 25/552** (2013.01); **H04R 2225/021** (2013.01); **H04R 2225/31** (2013.01); **H04R 2225/51** (2013.01)

Citation (applicant)  
• US 2013188803 A1 20130725 - SHAANAN GAD [US], et al  
• US 2008205678 A1 20080828 - BOGUSLAVSKIJ MIHAIL [DE], et al

Citation (search report)  
• [Y] US 2013188803 A1 20130725 - SHAANAN GAD [US], et al  
• [Y] US 2013343584 A1 20131226 - BENNETT JAMES D [CZ], et al  
• [A] WO 2008113053 A1 20080918 - QUALCOMM INC [US], et al

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 3110170 A1 20161228**; **EP 3110170 B1 20190220**; DK 3110170 T3 20190423; DK 3503589 T3 20220912; EP 3503589 A1 20190626; EP 3503589 B1 20220720

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