

Title (en)  
HEARING AID WITH INTEGRATED ANTENNA AND ELECTRONICS FRAME

Title (de)  
HÖRHILFEGERÄT MIT ELEKTRONIKRAHMEN UND DARIN INTEGRIERTER ANTENNE

Title (fr)  
APPAREIL D'AIDE AUDITIVE POURVU DE CADRE ÉLECTRONIQUE ET D'ANTENNE INTÉGRÉE AUDIT APPAREIL

Publication  
**EP 3567672 B1 20210707 (DE)**

Application  
**EP 19167645 A 20190405**

Priority  
DE 102018207179 A 20180508

Abstract (en)  
[origin: JP2019198069A] To provide a hearing aid with an electronics frame and an antenna integrated therein.SOLUTION: A hearing aid (100) comprises: a casing (1); a frame (11) inserted in the casing (1), for receiving electrical or electronic assemblies which include a transmitting and/or receiving unit (6) for electromagnetic waves; and an associated antenna (10). The antenna (10) is formed as an integral component of the frame (11), as a stamped bent part or as an insert part made of metal. The antenna (10) includes a first part (40) with two ends (44, 62). The first part extends windingly or is formed as an open loop, and a segment along the extending portion of the first part (40) is formed as a first auxiliary structure (70) having the shape of a closed loop.SELECTED DRAWING: Figure 1

IPC 8 full level  
**H01Q 1/27** (2006.01); **H01Q 1/38** (2006.01); **H01Q 7/00** (2006.01)

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**H04R 25/554** (2013.01 - US); **H04R 25/60** (2013.01 - US); **H04R 25/65** (2013.01 - CN US); **H04R 2225/51** (2013.01 - US)

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