

Title (en)  
Hearing aid with adaptive antenna system

Title (de)  
Hörgerät mit adaptivem Antennensystem

Title (fr)  
Appareil d'aide auditive doté d'un système d'antenne adaptative

Publication  
**EP 2871859 B1 20180718 (EN)**

Application  
**EP 13192315 A 20131111**

Priority  
EP 13192315 A 20131111

Abstract (en)  
[origin: EP2871859A1] A hearing aid and a method for operating a hearing aid is disclosed. The hearing aid comprises a signal processor for processing one or more audio signals to compensate a hearing loss of a user of the hearing aid; a wireless communications unit connected to the signal processor for wireless data communication; and an antenna system with a data terminal and at least one control terminal, wherein the data terminal is connected to the wireless communications unit, the antenna system comprising a first antenna and one or more antenna feeds including a first antenna feed. Further, the antenna system comprises an antenna configurator for configuring the antenna system to operate in a selected antenna mode selected from a plurality of antenna modes including a first antenna mode and a second antenna mode according to a control signal on the at least one control terminal, wherein the antenna configurator is configured to apply a first antenna configuration to the data terminal when operating in the first antenna mode, and to apply a second antenna configuration to the data terminal when operating in the second antenna mode.

IPC 8 full level  
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CPC (source: EP)  
**H01Q 1/273** (2013.01); **H01Q 21/28** (2013.01); **H04R 25/554** (2013.01); **H04R 2225/51** (2013.01)

Cited by  
EP3413584A1; EP4156716A1; EP3220663A1; US10735871B2; US10321245B2; US10425749B2; US10667065B2; EP3503588B1

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