

Title (en)  
Hearing aid and method for noise compensation in a hearing aid

Title (de)  
Hörgerät und Verfahren zur Störschallkompensation bei einem Hörgerät

Title (fr)  
Appareil auditif et procédé de compensation du bruit dans un appareil auditif

Publication  
**EP 2229010 B1 20200826 (DE)**

Application  
**EP 10151957 A 20100128**

Priority  
DE 102009012745 A 20090312

Abstract (en)  
[origin: EP2229010A2] The method involves determining a spectral band as a function of a hearing ability and/or a spectral distribution of energy of an interference sound (12). An input signal of a hearing device (8) that represents a sound in a spectral band is filtered according to a transmission function for the sound on an interference sound path. A compensation sound (15) is generated using the input signal in inverted and filtered form. Independent claims are also included for the following: (1) an hearing apparatus comprising a processing device for providing a spectral band and/or for determining a spectral band (2) a method of adjusting a hearing apparatus (3) an apparatus for adjusting a hearing apparatus.

IPC 8 full level  
**H04R 25/00** (2006.01); **G10K 11/178** (2006.01); **H04R 1/10** (2006.01)

CPC (source: EP US)  
**G10K 11/17823** (2017.12 - EP US); **G10K 11/1783** (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17855** (2017.12 - EP US); **G10K 11/17873** (2017.12 - EP US); **H04R 1/1083** (2013.01 - EP US); **H04R 25/50** (2013.01 - EP US); **G10K 2210/1081** (2013.01 - EP US); **G10K 2210/3025** (2013.01 - EP US); **G10K 2210/509** (2013.01 - EP US); **G10K 2210/511** (2013.01 - EP US); **H04R 2460/01** (2013.01 - EP US)

Citation (examination)

- WO 2007011337 A1 20070125 - THOMSON LICENSING [FR], et al
- EP 1940197 A1 20080702 - SONY CORP [JP]

Cited by  
WO2023214020A1

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DOCDB simple family (publication)  
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