

Title (en)  
SELF-FITTING HEARING COMPENSATION DEVICE WITH REAL-EAR MEASUREMENT, SELF-FITTING HEARING COMPENSATION METHOD THEREOF AND COMPUTER PROGRAM PRODUCT

Title (de)  
SELBSTANPASSENDE HÖRKOMPENSATIONSVORRICHTUNG MIT ECHTER OHRMESSUNG, SELBSTANPASSENDES HÖRKOMPENSATIONSVERFAHREN DAFÜR UND COMPUTERPROGRAMMPRODUKT

Title (fr)  
DISPOSITIF DE COMPENSATION AUDITIVE À AJUSTEMENT AUTOMATIQUE AVEC MESURE D'OREILLE RÉELLE, PROCÉDÉ DE COMPENSATION AUDITIVE À AJUSTEMENT AUTOMATIQUE ASSOCIÉ ET PRODUIT DE PROGRAMME INFORMATIQUE

Publication  
**EP 4294043 A1 20231220 (EN)**

Application  
**EP 23179033 A 20230613**

Priority  

- TW 111122067 A 20220614
- CN 202210827166 A 20220713
- US 202217952678 A 20220926

Abstract (en)  
A self-fitting hearing compensation device with real-ear measurement is provided and includes: a first transducer, which receives a first test signal from a device and converts the first test signal into a first electrical signal; a first hearing compensation module, which is connected to the first transducer and performs gain compensation on the first electrical signal; a second transducer, which is connected to the first hearing compensation module, converts the gain-compensated first electrical signal into sound, and transmits the sound into an ear canal; and a third transducer, which synchronously converts the sound transmitted in the ear canal into a second electrical signal, so as to transmit the second electrical signal to the device via a wireless transmission network. In addition, a self-fitting hearing compensation method and a computer program product are also provided.

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

CPC (source: EP)  
**H04R 1/1083** (2013.01); **H04R 25/554** (2013.01); **H04R 25/70** (2013.01); **H04R 2225/55** (2013.01); **H04R 2420/07** (2013.01); **H04R 2460/01** (2013.01)

Citation (search report)  

- [A] EP 2234414 A2 20100929 - STARKEY LAB INC [US]
- [A] US 2008298600 A1 20081204 - POE MICHAEL [US], et al
- [A] US 2013243206 A1 20130919 - GOLDSTEIN STEVEN W [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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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