

Title (en)

ADJUSTING A FREQUENCY DEPENDENT GAIN OF A HEARING DEVICE

Title (de)

ANPASSUNG EINES FREQUENZABHÄNGIGEN VERSTÄRKERS EINES HÖRGERÄTS

Title (fr)

RÉGLAGE D'UN GAIN DÉPENDANT DE LA FRÉQUENCE D'UN DISPOSITIF AUDITIF

Publication

EP 3783921 B1 20230419 (EN)

Application

EP 19193289 A 20190823

Priority

EP 19193289 A 20190823

Abstract (en)

[origin: EP3783921A1] A method for adjusting a frequency dependent gain of a hearing device (10) comprises: receiving an amplification level (38) selected by a user of the hearing device (10); selecting offset gain values (40) for frequencies in a bass range (34) based on the amplification level (38); reading fitting gain values (30) for the frequencies stored in the hearing device (10), wherein the fitting gain values (30) have been selected to compensate a hearing loss of the user; determining direct sound indicator values (32) for the frequencies, wherein a direct sound indicator value (32) for a frequency specifies a level of direct sound in front of an ear drum in an ear canal of the user at that frequency; setting an adjusted gain value (36) in each frequency depending on the offset gain value (40), the fitting gain value (30) and the direct sound indicator value (32); applying the adjusted gain values (36) to an amplifier (20) of the hearing device (10), such that a sound signal in each frequency is amplified with the corresponding adjusted gain value (36).

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/505 (2013.01); **H04R 25/70** (2013.01)

Cited by

EP4117308A1; WO2023280359A1

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 3783921 A1 20210224; EP 3783921 B1 20230419; DK 3783921 T3 20230515

DOCDB simple family (application)

EP 19193289 A 20190823; DK 19193289 T 20190823