

Title (en)

Hearing assistance providing feedback suppression

Title (de)

Hörhilfegerät mit Mitteln zur Rückkopplungskompensation

Title (fr)

Appareil auditif avec réduction du couplage

Publication

EP 1737270 B2 20120502 (DE)

Application

EP 06114883 A 20060602

Priority

DE 102005028742 A 20050621

Abstract (en)

[origin: US2006285709A1] With a hearing aid device, filter parameters of filters are to be adjusted for feedback suppression. It is hereby proposed that test signals are emitted via an earpiece in order to estimate the transmission behavior of the feedback path, and response signals to these test signals are recorded by a microphone and analyzed in the hearing aid device. In this way, information signals which are already occasionally emitted by the hearing aid device and can be perceived by the user are used as test signals. Information signals of this type are particularly well suited as test signals and are perceived by the user as non-interfering.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 1439736 A1 20040721 - GN RESOUND AS [DK]
- US 2003161492 A1 20030828 - MILLER DOUGLAS ALAN [US], et al
- EP 0581261 A1 19940202 - MINNESOTA MINING & MFG [US]

Cited by

EP2661103A1; DE102011106634A1; DE102011106634B4; WO2013004733A1; US9078073B2; US9432783B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006285709 A1 20061221; US 7801318 B2 20100921; AT E394899 T1 20080515; DE 102005028742 B3 20060921; DE 502006000732 D1 20080619; DK 1737270 T3 20080929; DK 1737270 T4 20120813; EP 1737270 A1 20061227; EP 1737270 B1 20080507; EP 1737270 B2 20120502

DOCDB simple family (application)

US 44081706 A 20060525; AT 06114883 T 20060602; DE 102005028742 A 20050621; DE 502006000732 T 20060602; DK 06114883 T 20060602; EP 06114883 A 20060602