

Title (en)

Hearing device and method for the reduction of feedback

Title (de)

Hörvorrichtung und Verfahren zur Reduktion von Rückkopplungen

Title (fr)

Appareil auditif et procédé pour la réduction des rétroactions

Publication

EP 1748678 B1 20110907 (DE)

Application

EP 06117366 A 20060718

Priority

DE 102005034646 A 20050725

Abstract (en)

[origin: EP1748678A2] Hearing device comprises microphones (M1, M2) arranged in an earpiece which is symmetrical to a loudspeaker (LS), a microphone matching unit (MM) for adjusting the differences of the microphone signals and a signal processing unit (SA) connected to the microphone matching unit for processing only parts of the microphone signals to the loudspeaker. An independent claim is also included for a method for reducing feedback in the hearing device. Preferred Features: The device has an amplifier for amplifying an unpitched sound passing into the earpiece more than the unpitched sound coming from the loudspeaker.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/407 (2013.01 - EP US); **H04R 25/453** (2013.01 - EP US); **H04R 29/006** (2013.01 - EP US); **H04R 2460/11** (2013.01 - EP US)

Cited by

KR20160137290A; KR20160137291A; EP2317779A2

Designated contracting state (EPC)

CH DE DK FR GB LI

DOCDB simple family (publication)

EP 1748678 A2 20070131; **EP 1748678 A3 20090923**; **EP 1748678 B1 20110907**; CN 1905762 A 20070131; CN 1905762 B 20110518; DE 102005034646 B3 20070201; DK 1748678 T3 20120109; US 2007030990 A1 20070208; US 7860263 B2 20101228

DOCDB simple family (application)

EP 06117366 A 20060718; CN 200610151330 A 20060725; DE 102005034646 A 20050725; DK 06117366 T 20060718; US 49326706 A 20060725