

Title (en)

Hearing device and corresponding method for ownvoices detection

Title (de)

Hörvorrichtung und entsprechendes Verfahren zur Eigenstimmendetektion

Title (fr)

Appareil auditif et procédé correspondant pour la détection de voix-propres

Publication

EP 1744589 B1 20110202 (DE)

Application

EP 06116535 A 20060704

Priority

DE 102005032274 A 20050711

Abstract (en)

[origin: EP1744589A2] The aid has two microphones (ME1, ME2) comprising an audio input for picking up ambient sound from a vicinity of a user and auditory channel sound in an auditory channel (GG) of the user. An own-voice detection device (ED) detects the user's own voice of the microphones signals. A blind source separation (BSS) device identifies separate sources from the microphone signals. An automatic gain control (AGC) device is temporarily deactivated based on the detection of the user's own voice. A directional microphone is deactivated based on the detection of the user's own voice. An independent claim is also included for a method for operating a hearing apparatus.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 25/405** (2013.01 - EP US)

Cited by

EP2835985A1; EP2991379A1; DE102015204639B3; WO2009034536A3; EP3068146A1; US9973861B2; US9788127B2; US11122372B2; US9042586B2; US9344814B2; US9900710B2; US10136228B2; US10880657B2; EP2991379B1; EP3068146B1; EP2928214B1

Designated contracting state (EPC)

CH DE DK ES FR GB LI

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EP 1744589 A2 20070117; **EP 1744589 A3 20100120**; **EP 1744589 B1 20110202**; **EP 1744589 B2 20140423**; AU 2006202797 A1 20070125; AU 2006202797 B2 20080703; CN 1897765 A 20070117; CN 1897765 B 20121003; DE 102005032274 A1 20070118; DE 102005032274 B4 20070510; DE 502006008842 D1 20110317; DK 1744589 T3 20110523; DK 1744589 T4 20140728; ES 2359151 T3 20110518; ES 2359151 T5 20140729; JP 2007028610 A 20070201; US 2007009122 A1 20070111; US 7853031 B2 20101214

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