

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 A3 20100120 (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)

Citation (search report)

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- [XAY] JP 2003304599 A 20031024 - CHUGOKU HOCHOKI CT KK, et al
- [A] WO 02085063 A2 20021024 - WIDEX AS [DK], et al
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- [X] US 2004202333 A1 20041014 - CSERMAK BRIAN D [CA], et al
- [A] US 6526148 B1 20030225 - JOURJINE ALEXANDER N [US], et al
- [AP] EP 1640972 A1 20060329 - PHONAK AG [CH]

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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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**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

DOCDB simple family (application)

**EP 06116535 A 20060704;** AU 2006202797 A 20060630; CN 200610103060 A 20060711; DE 102005032274 A 20050711; DE 502006008842 T 20060704; DK 06116535 T 20060704; ES 06116535 T 20060704; JP 2006187596 A 20060707; US 48491506 A 20060711