

Title (en)  
METHOD AND DEVICE FOR IMPROVED PERCEPTION OF OWN VOICE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR VERBESSERTEN WAHRNEHMUNG DER EIGENEN STIMME

Title (fr)  
PROCEDE ET DISPOSITIF DE PERCEPTION AMELIOREE DE SA PROPRE VOIX

Publication  
**EP 2991379 B1 20170517 (DE)**

Application  
**EP 15181227 A 20150817**

Priority  
DE 102014217172 A 20140828

Abstract (en)  
[origin: US2016066102A1] A hearing aid device and a method for operating the hearing aid device. The hearing aid device has an acousto-electrical transducer, a signal processing unit, an electro-acoustic transducer and a unit for recognizing a wearer's own voice. The hearing aid device detects and recognizes the wearer's own voice by way of the recognition unit and, when the wearer's own voice has been detected, operates the signal processing unit with a modified signal processing parameter that is modified such that the sound of the wearer's own voice is improved.

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP US)  
**H04R 25/43** (2013.01 - EP US); **H04R 25/505** (2013.01 - US); **H04R 2225/43** (2013.01 - EP US); **H04R 2460/01** (2013.01 - EP US); **H04R 2460/05** (2013.01 - EP US)

Citation (opposition)  
Opponent : Oticon A/S, Widex A/S, GN Hearing A/S  
• US 2011137649 A1 20110609 - RASMUSSEN CRILLES BAK [DK], et al  
• EP 2193767 A1 20100609 - OTICON AS [DK]  
• WO 2007082579 A2 20070726 - PHONAK AG [CH], et al  
• EP 2437394 A1 20120404 - SIEMENS MEDICAL INSTR PTE LTD [SG]  
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• US 2013148829 A1 20130613 - LUGGER MARKO [DE]  
• WO 2005037153 A1 20050428 - ENTIFIC MEDICAL SYSTEMS AB [SE], et al  
• EP 1251714 A2 20021023 - GENNUM CORP [CA]  
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DE102018216667B3; EP3598778A1; EP3629601A1; CN110958551A; DE102018202155A1; US10616694B2; WO2017153550A1;  
DE102020201615B3; US11463818B2

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 2991379 A1 20160302; EP 2991379 B1 20170517**; DK 2991379 T3 20170828; US 11122372 B2 20210914; US 2016066102 A1 20160303;  
US 2017272871 A1 20170921; US 9788127 B2 20171010

DOCDB simple family (application)  
**EP 15181227 A 20150817**; DK 15181227 T 20150817; US 201514838621 A 20150828; US 201715613325 A 20170605