

Title (en)
METHOD FOR OPERATING A HEARING DEVICE AND HEARING DEVICE

Title (de)
VERFAHREN ZUM BETRIEB EINES HÖRGERÄTS SOWIE HÖRGERÄT

Title (fr)
PROCEDE DE FONCTIONNEMENT D'UN APPAREIL AUDITIF ET APPAREIL AUDITIF

Publication
EP 3068146 B1 20171011 (DE)

Application
EP 16158247 A 20160302

Priority
DE 102015204639 A 20150313

Abstract (en)
[origin: US2016269834A1] In a method for operating a hearing aid, an input signal is generated by way of one or more microphones. The input signal is amplified in an amplifier with an adjustable gain factor and output as an amplified input signal by way of a receiver. Furthermore, an OVD (own-voice-detection) parameter is established by an OVD unit. The OVD parameter specifies whether or not the user themselves is speaking. The gain factor is adjusted in a manner dependent on the OVD parameter and additionally adjusted in a manner dependent on noise, in particular stationary noise.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: CN EP US)
H04R 25/305 (2013.01 - US); **H04R 25/35** (2013.01 - CN); **H04R 25/353** (2013.01 - CN); **H04R 25/356** (2013.01 - US);
H04R 25/43 (2013.01 - CN); **H04R 25/48** (2013.01 - CN); **H04R 25/505** (2013.01 - EP US); **H04R 2225/41** (2013.01 - CN);
H04R 2225/43 (2013.01 - EP US)

Citation (opposition)
Opponent : Oticon A/S, Widex A/S, GN Hearing A/S
• EP 1326479 A2 20030709 - DSP FACTORY LTD [CA]
• US 7489789 B2 20090210 - KAULBERG THOMAS [DK]
• US 2009147966 A1 20090611 - MCINTOSH JASON [US], et al
• EP 1744589 A2 20070117 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
• WO 2014194932 A1 20141211 - PHONAK AG [CH]
• WO 9103042 A1 19910307 - OTWIDAN APS FORENEDE DANSKE HO [DK]
• WO 2014075195 A1 20140522 - PHONAK AG [CH]
• US 2011137649 A1 20110609 - RASMUSSEN CRILLES BAK [DK], et al
• US 7039195 B1 20060502 - SVEAN JARLE [NO], et al
• RAINER MARTIN: "Spectral Subtraction Based on Minimum Statistics", PROCEEDINGS OF EUSIPCO-94, vol. II, 13 September 1994 (1994-09-13) - 16 September 1994 (1994-09-16), Edinburgh, Scotland, UK, pages 1182 - 1185, XP009026531, Retrieved from the Internet <URL:http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.472.3691&rep=rep1&type=pdf>

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)
DE 102015204639 B3 20160707; CN 105979460 A 20160928; CN 105979460 B 20191112; DK 3068146 T3 20180115;
EP 3068146 A1 20160914; EP 3068146 B1 20171011; JP 2016171569 A 20160923; JP 6109985 B2 20170405; US 2016269834 A1 20160915;
US 9973861 B2 20180515

DOCDB simple family (application)
DE 102015204639 A 20150313; CN 201610298308 A 20160311; DK 16158247 T 20160302; EP 16158247 A 20160302;
JP 2016046630 A 20160310; US 201615068867 A 20160314