Title (en)

Hearing device with signal processing based on construction-related parameters and corresponding method

Title (de)

Hörvorrichtung mit Signalverarbeitung auf der Basis konstruktionsbezogener Parameter und entsprechendes Verfahren

Title (fr)

Dispositif auditif doté d'un traitement du signal à base de paramètres dépendant de la construction et procédé correspondant

Publication

EP 2018080 A3 20120829 (DE)

Application

EP 08104629 A 20080703

Priority

- DE 102007033896 A 20070720
- US 96134907 P 20070720

Abstract (en)

[origin: EP2018080A2] The system has a signal processing unit (3) executing a processing algorithm based on design-related parameters of a hearing device (22) or a control value obtained from the hearing device. The processing unit has a rapid shell manufacturing (RSM) software (6) for providing the parameters, and two microphones provided for receiving a sound signal. Distance between the microphones is provided as one of the parameters, and an orientation angle of a connecting device provided between the microphones concerning to a preset straight line or a plane is provided as another parameter. An independent claim is also included for a method for executing a processing algorithm of a hearing device.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/405 (2013.01 - EP US); **H04R 25/652** (2013.01 - EP US); **H04R 25/70** (2013.01 - EP US); H04R 2225/77 (2013.01 - EP US); H04R 2460/13 (2013.01 - EP US)

Citation (search report)

- [X] WO 2007052185 A2 20070510 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] US 2006233384 A1 20061019 - BACHLER HERBERT [CH], et al
- [X] WO 0228140 A2 20020404 - KNOWLES ELECTRONICS LLC [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2018080 A2 20090121; **EP 2018080 A3 20120829**; AU 2008203211 A1 20090205; AU 2008203211 B2 20110331; AU 2008203211 B8 20110421; DE 102007033896 A1 20090129; DE 102007033896 B4 20120419; US 2009022345 A1 20090122; US 8275161 B2 20120925

DOCDB simple family (application)

EP 08104629 A 20080703; AU 2008203211 A 20080718; DE 102007033896 A 20070720; US 21848908 A 20080715