

Title (en)

HEARING ASSISTANCE SYSTEM WITH OWN VOICE DETECTION

Title (de)

HÖRHILFESYSTEM MIT ERKENNUNG DER EIGENEN STIMME

Title (fr)

SYSTÈME D'AIDE AUDITIVE AVEC DÉTECTION DE SA PROPRE VOIX

Publication

EP 3461148 B1 20230322 (EN)

Application

EP 18195310 A 20150819

Priority

- US 201414464149 A 20140820
- EP 15181620 A 20150819

Abstract (en)

[origin: EP2988531A1] A hearing assistance system includes a pair of left and right hearing assistance devices to be worn by a wearer and uses both of the left and right hearing assistance devices to detect the voice of the wearer. The left and right hearing assistance devices each include first and second microphones at different locations. Various embodiments detect the voice of the wearer using signals produced by the first and second microphones of the left hearing assistance device and the first and second microphones of the right hearing assistance device. Various embodiments use outcome of detection of the voice of the wearer performed by the left hearing assistance device and the outcome of detection of the voice of the wearer performed the right hearing assistance device to determine whether to declare a detection of the voice of the wearer.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/407 (2013.01); **H04R 25/552** (2013.01); **H04R 25/405** (2013.01)

Citation (examination)

- US 7027607 B2 20060411 - PEDERSEN BRIAN DAM [DK], et al
- US 2012128187 A1 20120524 - YAMADA MAKI [JP], et al
- US 2007098192 A1 20070503 - SIPKEMA MARCUS K [NL]

Citation (opposition)

Opponent : Oticon A/S

- US 2010002887 A1 20100107 - ROECK HANS-UELI [CH], et al
- EP 2242289 A1 20101020 - STARKEY LAB INC [US]
- US 2014010397 A1 20140109 - MERKS IVO [US]
- US 2010260364 A1 20101014 - MERKS IVO [US]
- WO 2004077090 A1 20040910 - OTICON AS [DK], et al
- US 2007098192 A1 20070503 - SIPKEMA MARCUS K [NL]
- US 2014029762 A1 20140130 - XIE PENG [US], et al
- WO 2014075195 A1 20140522 - PHONAK AG [CH]
- US 2011238419 A1 20110929 - BARTHEL ROLAND [DE]

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 2988531 A1 20160224; EP 2988531 B1 20180919; DK 2988531 T3 20190114; EP 3461148 A2 20190327; EP 3461148 A3 20190417; EP 3461148 B1 20230322

DOCDB simple family (application)

EP 15181620 A 20150819; DK 15181620 T 20150819; EP 18195310 A 20150819