

Title (en)

METHOD FOR OPERATING A HEARING AID AND HEARING AID

Title (de)

VERFAHREN ZUM BETRIEB EINES HÖRGERÄTS UND HÖRGERÄT

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL AUDITIF ET APPAREIL AUDITIF

Publication

EP 3565276 B1 20210825 (DE)

Application

EP 19171367 A 20190426

Priority

DE 102018206979 A 20180504

Abstract (en)

[origin: US2019342676A1] A hearing device has an acceleration sensor that is positioned on the head of a hearing device wearer in the intended worn state, is configured for measurement in two mutually orthogonal measurement axes and is operated by virtue of at least one main feature related to an acceleration directed tangentially in relation to the head being derived from an acceleration signal of the acceleration sensor. The at least one main feature is used to ascertain a presence of a yaw movement of the head by taking into consideration at least one prescribed criterion, derivable from the acceleration signal itself, beyond the presence of an acceleration value of the tangentially directed acceleration that is indicative of a movement.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: CN EP US)

H04R 25/00 (2013.01 - CN); **H04R 25/402** (2013.01 - EP); **H04R 25/505** (2013.01 - US); **H04R 2225/41** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP); **H04R 2225/59** (2013.01 - CN)

Citation (opposition)

Opponent : Oticon A/S

- WO 2010078372 A1 20100708 - SENNHEISER ELECTRONIC [DE], et al
- US 9516429 B2 20161206 - KWON SEE YOUN [KR], et al
- EP 3154277 A1 20170412 - SIVANTOS PTE LTD [SG]
- US 2013329923 A1 20131212 - BOUSE VACLAV [DE]
- EP 3264798 A1 20180103 - OTICON AS [DK]
- US 2012176865 A1 20120712 - SCHWARZ JAN-PHILIP [DE], et al
- US 2015109200 A1 20150423 - LEE YONG-SUK [KR], et al
- WEI HAOLIN; SCANLON PATRICIA; LI YINGBO; MONAGHAN DAVID S.; O'CONNOR NOEL E.: "Real-time head nod and shake detection for continuous human affect recognition", 2013 14TH INTERNATIONAL WORKSHOP ON IMAGE ANALYSIS FOR MULTIMEDIA INTERACTIVE SERVICES (WIAMIS), IEEE, 3 July 2013 (2013-07-03), pages 1 - 4, XP032492798, ISSN: 2158-5873, DOI: 10.1109/WIAMIS.2013.6616148

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 3565276 A1 20191106; EP 3565276 B1 20210825; CN 110446149 A 20191112; CN 110446149 B 20211102; DE 102018206979 A1 20191107; DK 3565276 T3 20211122; US 10959028 B2 20210323; US 2019342676 A1 20191107

DOCDB simple family (application)

EP 19171367 A 20190426; CN 201910359958 A 20190430; DE 102018206979 A 20180504; DK 19171367 T 20190426; US 201916403766 A 20190506