

Title (en)

HEARING AID AND METHOD FOR OPERATING A HEARING AID

Title (de)

VERFAHREN ZUM BETRIEB EINER HÖRVORRICHTUNG UND HÖRVORRICHTUNG

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN DISPOSITIF D'AIDE AUDITIVE ET DISPOSITIF D'AIDE AUDITIVE

Publication

**EP 3396978 B1 20200311 (DE)**

Application

**EP 18163160 A 20180321**

Priority

- DE 102017207054 A 20170426
- EP 18159441 A 20180301

Abstract (en)

[origin: US2018317028A1] A hearing apparatus has a microphone for converting ambient sounds into a microphone signal, a signal processor for processing the microphone signal and an output transducer for outputting an output signal. A characteristic voice measure is ascertained for a voice component in the ambient sounds, and a supplementary measure characteristic of an activity of the wearer of the hearing apparatus is ascertained. Subsequently, an evaluated correlation between the voice measure and the supplementary measure is used to increase a probability value for the presence of a communication situation between the user and a third party if the voice measure and the supplementary measure, under at least one prescribed criterion, assume a value representative of the presence of the voice component and of the activity of the wearer. The probability value forms the basis for altering a signal processing algorithm that is executed to process the microphone signal.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: CN EP US)

**H04R 25/50** (2013.01 - CN EP US); **H04R 25/505** (2013.01 - EP US); **H04R 25/75** (2013.01 - US); **H04R 2225/41** (2013.01 - EP US); **H04R 2225/43** (2013.01 - CN)

Citation (opposition)

Opponent : Oticon A/S

- US 2012020505 A1 20120126 - YAMADA MAKI [JP], et al
- US 2012128186 A1 20120524 - ENDO MITSURU [JP], et al
- US 2011091056 A1 20110421 - NISHIZAKI MAKOTO [JP], et al
- US 2012128187 A1 20120524 - YAMADA MAKI [JP], et al
- US 2016366523 A1 20161215 - ROSENKRANZ TOBIAS DANIEL [DE], et al
- US 2011137649 A1 20110609 - RASMUSSEN CRILLES BAK [DK], et al

Cited by

EP3726856B1

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 3396978 A1 20181031**; **EP 3396978 B1 20200311**; CN 108810778 A 20181113; CN 108810778 B 20210112; DK 3396978 T3 20200608; US 10425746 B2 20190924; US 2018317028 A1 20181101

DOCDB simple family (application)

**EP 18163160 A 20180321**; CN 201810383791 A 20180426; DK 18163160 T 20180321; US 201815963537 A 20180426