

Title (en)

Assembly and method for recognising feedback in hearing aids

Title (de)

Anordnung und Verfahren zur Erkennung von Rückkopplungen bei Hörvorrichtungen

Title (fr)

Agencement et procédé de détection de contre-réactions pour appareils auditifs

Publication

**EP 2239962 A3 20121205 (DE)**

Application

**EP 10153701 A 20100216**

Priority

DE 102009016845 A 20090408

Abstract (en)

[origin: EP2239962A2] The arrangement has an acoustic feedback detecting unit (62) for receiving a microphone signal (11) of a hearing aid and determining a weighting factor (17). The factor lies between 1 for secure existence of acoustic feedback and 0 for secure absence of acoustic feedback. A multiplier (63) calculates acoustic feedback probability (16) using the factor. A comparison unit (64) compares the calculated probability with a preset threshold value (20), and signals exceeding of the threshold value. Independent claims are also included for the following: (1) a hearing aid including an earpiece (2) a method for detecting acoustic feedback in a hearing aid.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP US)

**H04R 25/453** (2013.01 - EP US); **H04R 2430/03** (2013.01 - EP US)

Citation (search report)

- [IA] EP 1858289 A1 20071121 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] DE 19904538 C1 20000713 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] WO 2008000842 A2 20080103 - PHONAK AG [CH], et al
- [A] EP 1742509 A1 20070110 - OTICON AS [DK]
- [A] EP 1874082 A2 20080102 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] EP 1648197 A2 20060419 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102009016845 B3 20100805**; DK 2239962 T3 20150706; EP 2239962 A2 20101013; EP 2239962 A3 20121205; EP 2239962 B1 20150401; US 2010260365 A1 20101014; US 8259974 B2 20120904

DOCDB simple family (application)

**DE 102009016845 A 20090408**; DK 10153701 T 20100216; EP 10153701 A 20100216; US 72835810 A 20100322