Title (en)

Method and device for adapting the phase of microphones in a directional hearing-aid

Title (de)

Verfahren und Vorrichtung zum Anpassen der Phasen von Mikrofonen eines Hörgeräterichtmikrofons

Title (fr)

Procédé et dispositif pour adapter la phase des microphones dans une prothèse auditive directionnelle

Publication

EP 1571881 A3 20080528 (DE)

Application

EP 05101246 A 20050218

Priority

DE 102004010867 A 20040305

Abstract (en)

[origin: EP1571881A2] The method involves measuring or specifying (PSO) a first level of an omnidirectional signal (y1'(t)) of the directional microphone, measuring (PS) a second level of a directional signal (y1(t)) of the directional microphone and matching (A) the second level to the first level by varying the transition time of an output signal (x2) from one of the microphones (M2) of the directional microphone without taking into account sound source position information. An independent claim is also included for a device for matching phases of microphones of a hearing aid directional microphone.

IPC 8 full level

H04R 1/40 (2006.01); **H04R 25/00** (2006.01); **H04R 1/02** (2006.01); **H04R 3/00** (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP US)

H04R 25/407 (2013.01 - EP US); **H04R 29/006** (2013.01 - EP US)

Citation (search report)

- [XA] US 6272229 B1 20010807 - BAEKGAARD LARS [DK]
- [A] DE 19849739 A1 20000531 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] WO 0230150 A2 20020411 - WIDEX AS [DK], et al
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- [A] EP 0982971 A2 20000301 - KNOWLES ELECTRONICS INC [US]

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CN102422652A; EP2506603A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1571881 A2 20050907; **EP 1571881 A3 20080528**; **EP 1571881 B1 20130327**; AU 2005200996 A1 20050922; AU 2005200996 B2 20070524; CN 100584113 C 20100120; CN 1665350 A 20050907; DE 102004010867 B3 20050818; DK 1571881 T3 20130701; JP 2005253079 A 20050915; JP 4563218 B2 20101013; US 2005244018 A1 20051103; US 2009285423 A1 20091119; US 7587058 B2 20090908; US 7970152 B2 20110628

DOCDB simple family (application)

EP 05101246 A 20050218; AU 2005200996 A 20050304; CN 200510053194 A 20050304; DE 102004010867 A 20040305; DK 05101246 T 20050218; JP 2005055737 A 20050301; US 50964709 A 20090727; US 7049605 A 20050302