

Title (en)

Hearing device with direction dependent signal processing and corresponding method

Title (de)

Hörervorrichtung mit richtungsabhängiger Signalverarbeitung und entsprechendes Verfahren

Title (fr)

Dispositif d'écoute avec un traitement de signaux à dépendance directionnelle et procédé correspondant

Publication

**EP 1538874 A3 20100120 (DE)**

Application

**EP 04027529 A 20041119**

Priority

DE 10356093 A 20031201

Abstract (en)

[origin: EP1538874A2] The hearing aid has a direction detection device, e.g. an adaptive directional microphone (RM), for detecting the direction of the source (Q) of the received sound waves, a sound classification device (GK), which assigns the received sound waves to different signal classes and a signal processing device (VE), for processing the received sound waves dependent on the detected direction and the signal classification. An independent claim for an operating method for a hearing aid is also included.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP US)

**H04R 25/407** (2013.01 - EP US); **H04R 1/32** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1320281 A2 20030618 - PHONAK AG [CH]
- [XA] WO 0232208 A2 20020425 - PHONAK AG [CH], et al
- [A] EP 0219026 A1 19870422 - SIEMENS AG [DE]

Cited by

EP1848245A3; US8766765B2; US7957548B2; EP1848245A2; US8199945B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL HR LT LV MK YU

DOCDB simple family (publication)

**EP 1538874 A2 20050608; EP 1538874 A3 20100120; EP 1538874 B1 20110309**; DE 10356093 B3 20050602; DE 502004012283 D1 20110421; DK 1538874 T3 20110627; US 2005141736 A1 20050630; US 7386141 B2 20080610

DOCDB simple family (application)

**EP 04027529 A 20041119**; DE 10356093 A 20031201; DE 502004012283 T 20041119; DK 04027529 T 20041119; US 160204 A 20041201