

Title (en)
Device for hearing assistance

Title (de)
Vorrichtung zur Hörunterstützung

Title (fr)
Dispositif d'assistance auditive

Publication
EP 0723381 B2 20010207 (DE)

Application
EP 94120781 A 19941227

Priority
EP 94120781 A 19941227

Abstract (en)
[origin: EP0723381A1] The device has two microphones (2,3) coupled to a control unit (1). The microphones (2,3) supply the control unit (1) with input signals. The control element (1) transmits at least one output signal to at least one transmission element (8). The control unit (1) is spatially separated from the microphones (2,3). Each microphone (2,3) is held in an ear housing (4,5) which can be arranged near the ear (22). Each housing (4,5) has a transmitter (6) which communicates with a receiver (7) near the control unit (1). A transmitter element (8) is arranged near at least one of the housings (4,5) and has a receiver (9). This communicates with a transmitter (10) near the control unit (1). A comparator (12) analyses the microphone signals and modifies the output power of the control unit (1) to adapt to a spatial sound reproduction.

IPC 1-7
H04R 25/00; **H04R 25/04**

IPC 8 full level
H04R 25/00 (2006.01); **H04R 25/04** (2006.01)

CPC (source: EP)
H04R 25/04 (2013.01); **H04R 25/552** (2013.01); **H04R 25/407** (2013.01); **H04R 25/602** (2013.01)

Citation (opposition)
Opponent :

- Peissig J.: Binaurale Hörgerätestrategien in komplexen Störschallsituationen Dissertation Universität Göttingen, 1992
- Gaik w.: Untersuchungen zur binauralen Verarbeitung kopfbezogener Signale, Fortschritt Berichte, VDI, Reihe 17., Nr.63, VDI Verlag, 1990
- Bodden M.: Binaurale Signalverarbeitung: Modellierung der Richtungserkennung und des Cocktail-Party-Effektes, Fortschritt Berichte, VDI, Reihe 17, Nr.85, VDI Verlag, 1992

Cited by
DE102005042430A1; WO2005029918A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0723381 A1 19960724; **EP 0723381 B1 19970402**; **EP 0723381 B2 20010207**; AT E151217 T1 19970415; DE 59402320 D1 19970507; DK 0723381 T3 19971006; DK 0723381 T4 20010618

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EP 94120781 A 19941227; AT 94120781 T 19941227; DE 59402320 T 19941227; DK 94120781 T 19941227