Title (en)

Hearing device with virtual sound source

Title (de)

Hörgerät mit einer virtuellen Schallquelle

Title (fr)

Appareil de correction auditive avec une source sonore virtuelle

Publication

EP 1796427 A1 20070613 (EN)

Application

EP 05026707 A 20051207

Priority

EP 05026707 A 20051207

Abstract (en)

The hearing system (1) comprises at least one hearing device (10); at least one input unit (11) adapted to receiving incoming signals (5) and obtaining input audio signals (20) from said incoming signals; at least one output transducer (19) adapted to converting audio signals into output signals (6) to be perceived by a user of the hearing system (1); at least one sound generator (15) adapted to generating system-generated audio signals (30); an audio analysis unit (14) adapted to obtaining localization information (40) from said input audio signals (20); and a virtual localization processor (16) adapted to providing said system-generated audio signals with spatial information, thus creating spatialized system-generated audio signals (31), wherein said spatial information is chosen in dependence of said localization information (40). Said virtual location may be varied while said spatialized system-generated audio signals are perceived by the user as output signals, and this variation of said virtual location may be indicative of an operational condition of the hearing system. The hearing system may comprise exactly one hearing device (10) or a number of hearing devices, which are not linked amongst each other.

IPC 8 full level

H04R 25/00 (2006.01); H04R 3/00 (2006.01)

CPC (source: EP)

H04R 25/40 (2013.01)

Citation (search report)

- [X] WO 2005004534 A1 20050113 - VAST AUDIO PTY LTD [AU], et al
- [DX] DE 102004035046 A1 20050721 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]

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CN113556660A; US9185500B2; US9031242B2; US8705751B2; US9332360B2; US9485589B2; US9924283B2; EP2099236B1

Designated contracting state (EPC)

CH DE DK LI

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1796427 A1 20070613; EP 2271136 A1 20110105; EP 2273800 A1 20110112

DOCDB simple family (application)

EP 05026707 A 20051207; EP 10178795 A 20051207; EP 10178809 A 20051207