

Title (en)

Method for improving spatial awareness and corresponding hearing device

Title (de)

Verfahren zur Verbesserung der räumlichen Wahrnehmung und entsprechende Hörvorrichtung

Title (fr)

Procédé d'amélioration de la prise de conscience spatiale et dispositif auditif correspondant

Publication

EP 1962556 A3 20090506 (DE)

Application

EP 08101788 A 20080220

Priority

DE 102007008738 A 20070222

Abstract (en)

[origin: EP1962556A2] The method involves receiving an input signal of a binaural hearing apparatus, and processing of the input signal into an output signal that leads to spatial perception. A variable of the output signal of the hearing apparatus is controlled, based upon the input signal, such that spatial perception is altered. The input signal is analyzed by separating sound sources and determining a fading of the input signal, where the separation is effected via a directional microphone or a blind source separation algorithm. An independent claim is also included for a hearing apparatus for binaural supply of a human hearing.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/407 (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US); **H04S 7/30** (2013.01 - EP US); **H04S 2400/11** (2013.01 - EP US)

Citation (search report)

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- [Y] WO 9508248 A1 19950323 - AUDIOLOGIC INC [US]
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EP2744229A3; EP2405673A1; DE102010026381A1; JP2023515240A; US9191755B2; US9516431B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1962556 A2 20080827; EP 1962556 A3 20090506; DE 102007008738 A1 20080828; US 2008205659 A1 20080828

DOCDB simple family (application)

EP 08101788 A 20080220; DE 102007008738 A 20070222; US 7088008 A 20080221