

Title (en)

Hearing device providing smooth transition between operational modes of a hearing aid

Title (de)

Hörgerät mit gleichmäßigem Übergang zwischen Betriebsmodus einer Hörhilfe

Title (fr)

Appareil acoustique avec une transition graduelle entre des modes d'opération d'une prothèse auditive

Publication

**EP 1827058 A1 20070829 (EN)**

Application

**EP 06110278 A 20060222**

Priority

EP 06110278 A 20060222

Abstract (en)

This invention relates to a hearing device (100,300) for processing sound and comprising a plurality of filterbanks (104,108) for splitting electric sound signals into a series of frequency channel signals (fc 1 to fc N ), a series of decision units (116 1 to 116 N ) each comprising a summing module (118,120) for summing frequency channel signals of said specific frequency channels (fc 1 to fc N ) thereby generating an omni-directional (O 1 to O N ) and directional signal (D 1 to D N ), and a mixing module (126,128,130) for mixing said omni-directional (O 1 to O N ) and directional signals (D 1 to D N ) according to content thereof and to generate a channel-specific signal, a merging unit (132) connected to said series of decision units (116 1 to 116 N ) and adapted to receive said channel-specific signals and to merge said channel-specific signals into an output signal.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP)

**H04R 25/407** (2013.01); **H04R 25/43** (2013.01); **H04R 2225/41** (2013.01); **H04R 2430/03** (2013.01)

Citation (search report)

- [XY] US 2004258249 A1 20041223 - NIEDERDRANK TORSTEN [DE], et al
- [Y] EP 1251715 A2 20021023 - GENNUM CORP [CA]
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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 LV MC NL PL PT RO SE SI SK TR

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DOCDB simple family (publication)

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