Title (en)

Signal processing for hearing aids with multiple compression algorithms

Title (de)

Signalverarbeitung für Hörgeräte mit mehreren Kompressionsalgorithmen

Title (fr)

Traitement du signal pour prothèses auditives à multiples algorithmes de compression

Publication

EP 1802171 A1 20070627 (DE)

Application

EP 06124535 A 20061122

Priority

DE 102005061000 A 20051220

Abstract (en)

The device has an amplifier device (3) provided for amplification of an input signal from a microphone (1) corresponding to a compression algorithm. A classifier (2) is provided for classification of the input signal with respect to a hearing situation. Another amplifier device (4) amplifies the input signal corresponding to another compression algorithm. The classifier supplies the input signal to the amplifier devices based on the classification, where the algorithms are implemented on a chip. An independent claim is also included for a method for signal processing in a hearing device.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/356 (2013.01 - EP US); H04R 25/558 (2013.01 - EP US); H04R 2225/41 (2013.01 - EP US); H04R 2225/43 (2013.01 - EP US)

Citation (applicant)

- DE 19703228 A1 19980730 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- US 2003072465 A1 20030417 - FISCHER EGHART [DE], et al
- WO 2004114722 A1 20041229 - GN RESOUND AS [DK], et al
- US 6104822 A 20000815 - MELANSON JOHN L [US], et al

Citation (search report)

- [XY] US 2003072465 A1 20030417 - FISCHER EGHART [DE], et al
- [XY] WO 2004114722 A1 20041229 - GN RESOUND AS [DK], et al
- [Y] US 6104822 A 20000815 - MELANSON JOHN L [US], et al
- [A] US 6731767 B1 20040504 - BLAMEY PETER JOHN [AU], et al
- [A] WO 0176321 A1 20011011 - GN RESOUND AS [DK], et al

Cited by

EP3783918A1; CN112416287A; US11343621B2

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1802171 A1 20070627; DE 102005061000 A1 20070621; DE 102005061000 B4 20090903; US 2007140512 A1 20070621

DOCDB simple family (application)

EP 06124535 A 20061122; DE 102005061000 A 20051220; US 64210906 A 20061220