

Title (en)
Level-dependent noise reduction

Title (de)
Pegelabhängige Geräuschreduktion

Title (fr)
Réduction du bruit dépendant du niveau

Publication
EP 1919257 A3 20110518 (DE)

Application
EP 07118793 A 20071018

Priority
DE 102006051071 A 20061030

Abstract (en)
[origin: EP1919257A2] The method involves processing a signal at a hearing aid device (1), where the signal has a useful signal portion and a disturbance signal portion. The disturbance portion is reduced in favor of the useful portion, and the reduction of the disturbance portion takes place depending on an input level of the signal. The disturbance portion is strongly damped during a higher input level than a lower input level. The damping of the signal is canceled, when the input level or the disturbance portion of the input level falls below a preset lower threshold value due to further damping of the signal. An independent claim is also included for a noise reduction device for a hearing aid device.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/505 (2013.01 - EP US); **H04R 25/407** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US); **H04R 2430/03** (2013.01 - EP US)

Citation (search report)

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- [Y] DE 3733983 A1 19890420 - BOSCH GMBH ROBERT [DE]
- [A] WO 9847315 A1 19981022 - DSP FACTORY LTD [CA], et al
- [XY1] IWASAKI S: "AUTOMATIC NOISE SUPPRESSION IN HEARING AIDS", HEARING AID JOURNAL, HEARING AID JOURNAL, SIOUX CITY , IOWA, US, 1 December 1981 (1981-12-01), pages 10/11,40, XP009027331, ISSN: 0091-2166

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EP2124334A3; EP2408220A1; US8948424B2; US9913051B2; US10966032B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DE 102006051071 B4 20101216; DK 1919257 T3 20160509; US 2008159573 A1 20080703; US 8107656 B2 20120131

DOCDB simple family (application)
EP 07118793 A 20071018; DE 102006051071 A 20061030; DK 07118793 T 20071018; US 98023007 A 20071030