

Title (en)

Hearing device and method for wind noise reduction

Title (de)

Hörvorrichtung und Verfahren zur Windgeräuschunterdrückung

Title (fr)

Appareil auditif et procédé pour la réduction de bruits de vent

Publication

EP 1705952 A3 20090909 (DE)

Application

EP 06111371 A 20060320

Priority

DE 102005012976 A 20050321

Abstract (en)

[origin: EP1705952A2] The hearing aid has a noise generator (RG) formed of a microphone (M) and an analog-to-digital converter, where the microphone produces a wind noise signal with a wind. An earpiece has an analysis device for analyzing a microphone signal after the existence of the noise signal. The generator generates a noise signal for representing the earpiece based on the wind noise signal, such that the wind noise signal is partly masked. An independent claim is also included for a method of operating a hearing aid.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/502 (2013.01 - EP US); **H04R 2410/07** (2013.01 - EP US)

Citation (search report)

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- [Y] WO 2004027750 A1 20040401 - SONY ERICSSON MOBILE COMM AB [SE], et al
- [DY] DE 10045197 C1 20020307 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [X] EP 1291845 A2 20030312 - ARMSTRONG WORLD IND INC [US]
- [A] WO 03059010 A1 20030717 - OTICON AS [DK], et al
- [A] US 4438526 A 19840320 - THOMALLA RICHARD O [US]
- [Y] VIRAG N: "Speech enhancement based on masking properties of the auditory system", 19950509; 19950509 - 19950512, vol. 1, 9 May 1995 (1995-05-09), pages 796 - 799, XP010625353, ISBN: 978-0-7803-2431-2

Cited by

CN103986995A

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 1705952 A2 20060927; EP 1705952 A3 20090909; EP 1705952 B1 20120104; AU 2006200957 A1 20061005; AU 2006200957 B2 20071025; CN 1838838 A 20060927; DE 102005012976 B3 20060914; DK 1705952 T3 20120507; JP 2006270952 A 20061005; JP 4139412 B2 20080827; US 2006233407 A1 20061019; US 7747031 B2 20100629

DOCDB simple family (application)

EP 06111371 A 20060320; AU 2006200957 A 20060306; CN 200610068117 A 20060321; DE 102005012976 A 20050321; DK 06111371 T 20060320; JP 2006074437 A 20060317; US 38624306 A 20060321