

Title (en)
Method for suppressing interference noises and corresponding hearing aid

Title (de)
Verfahren zur Störgeräuschnunterdrückung und zugehöriges Hörgerät

Title (fr)
Procédé d'élimination de bruits parasites et appareil auditif correspondant

Publication
EP 2141941 A3 20140101 (DE)

Application
EP 09159848 A 20090511

Priority
DE 102008031150 A 20080701

Abstract (en)
[origin: US2009257609A1] The invention specifies a method for noise reduction of an input signal of a hearing device. The cepstrum coefficients of the input signal, of the changed input signal and/or of at least one parameter obtained from the input signal are modified. The modified cepstral coefficients are used for formation of an output signal from the input signal. The output signal has reduced noise in relation to the input signal. With instationary noises in particular, an estimation is improved and an improved auditive quality is achieved for the hearing device.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
G10L 21/0232 (2013.01 - EP US); **H04R 25/00** (2013.01 - EP US)

Citation (search report)

- [Y] US 2003093269 A1 20030515 - ATTIAS HAGAI [US], et al
- [A] US 2003187637 A1 20031002 - KANG HONG-GOO [US], et al
- [XAY] COLIN BREITHAUPT ET AL: "A novel a priori SNR estimation approach based on selective cepstro-temporal smoothing", ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 2008. ICASSP 2008. IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 31 March 2008 (2008-03-31), pages 4897 - 4900, XP031251697, ISBN: 978-1-4244-1483-3

Cited by
CN102930870A

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
US 2009257609 A1 20091015; DE 102008031150 B3 20091119; EP 2141941 A2 20100106; EP 2141941 A3 20140101

DOCDB simple family (application)
US 48991009 A 20090623; DE 102008031150 A 20080701; EP 09159848 A 20090511