

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

Title (de)  
Verfahren zur Störgeräuschunterdrückung 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)

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- [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

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