

Title (en)

METHOD AND DEVICE FOR SUPPRESSING NOISE BASED ON INTER-SUBBAND CORRELATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR RAUSCHUNTERDRÜCKUNG BASIEREND AUF INTER-SUBBAND-KORRELATION

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SUPPRESSION DU BRUIT BASÉE SUR L'INTER-CORRÉLATION DE BANDES SECONDAIRES

Publication

**EP 3048813 B1 20180314 (DE)**

Application

**EP 15198238 A 20151207**

Priority

DE 102015201073 A 20150122

Abstract (en)

[origin: US2016219381A1] A method performs noise suppression in hearing aids. A step of the method involves a first audio signal being split into a plurality of essentially disjunct frequency bands. A further step of the method involves a reference band being selected from the plurality of frequency bands, which reference band has an establishable first component of a speech signal. Another step involves a correlation between the reference band and a first frequency band being ascertained. A further step involves a value that indicates a second component of a speech signal in the first frequency band being ascertained on the basis of the correlation. Another step of the method involves a noise suppression being set in the first frequency band on the basis of the ascertained value.

IPC 8 full level

**H04R 25/00** (2006.01); **H03H 21/00** (2006.01)

CPC (source: EP US)

**H04R 25/453** (2013.01 - US); **H04R 25/505** (2013.01 - EP US); **H04R 2225/41** (2013.01 - US); **H04R 2225/43** (2013.01 - EP US); **H04R 2430/03** (2013.01 - EP US)

Citation (opposition)

Opponent : Oticon A/S

- DE 102012202469 B3 20130117 - SIEMENS MEDICAL INSTR PTE LTD [SG]
- WO 2012076045 A1 20120614 - WIDEX AS [DK], et al
- EP 0219025 B1 19900613
- US 2013251170 A1 20130926 - EVERY MARK [US], et al
- EP 1101390 B1 20040414 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- US 2008317261 A1 20081225 - YOSHIDA MASAHIRO [JP], et al
- DE 102006051071 A1 20080508 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- US 2014219474 A1 20140807 - FELDT SVEND [DK], et al
- US 2012213395 A1 20120823 - ROSENKRANZ TOBIAS [DE]
- EP 1723829 B1 20110504 - OTICON AS [DK]
- US 2004161120 A1 20040819 - PETERSEN KIM SPETZLER [DK], et al
- WO 9103042 A1 19910307 - OTWIDAN APS FORENEDE DANSKE HO [DK]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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