

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)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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