

Title (en)

Device and method for step-size control of an adaptive filter

Title (de)

Vorrichtung und Verfahren zur Schrittweitensteuerung eines adaptiven Filters

Title (fr)

Dispositif et procédé de commande de la taille de pas d'un filtre adaptatif

Publication

EP 1874082 B1 20111019 (DE)

Application

EP 07110325 A 20070615

Priority

DE 102006029194 A 20060626

Abstract (en)

[origin: EP1874082A2] The device (6) has an analyzing unit for analyzing an input signal such as microphone signal, in two frequency bands, and comprising an edge detection unit. The edge detection unit detects steep signal edges in the individual frequency bands, where a slope of the edges possesses or exceeds a given measurement. A step determination unit is attached to the analyzing unit for controlling an adaptive filter at an adaptation step based on number of frequency bands. An independent claim is also included for a method for step controlling an adaptive filter to acoustic feedback suppression.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 3/02** (2013.01 - EP US)

Cited by

EP2239962A3; US9628923B2

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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