Title (en)

Method and device for adaptive reduction of noise signals and background signals in a speech processing system

Title (de)

Verfahren und Vorrichtung zur adaptiven Reduktion von Rausch- und Hintergrundsignalen in einem sprachverarbeitenden System

Title (fr)

Procédé et dispositif destinés à la réduction adaptative de signaux de bruit et de fond dans un système de traitement vocal

Publication

EP 1755110 A3 20090506 (DE)

Application

EP 06014433 A 20060712

Priority

DE 102005039621 A 20050819

Abstract (en)

[origin: EP1755110A2] The method involves filtering an audio-input signal under application of adaptive filters (F1, F2), preferably of FIR configuration, for producing predicted-output signals with reduced noise. The filter is implemented under application of several coefficients for formation of several prediction errors and for the formation of the errors from several of prediction errors (sv1-sv4). The amount of coefficients is continuously reduced by several reduction parameters. An independent claim is also included for a device for reduction of noise signals and background signals in a speech processing system.

IPC 8 full level

G10L 21/02 (2006.01); **G10L 21/0208** (2013.01)

CPC (source: EP US)

G10L 21/0208 (2013.01 - EP US); G10L 21/02 (2013.01 - EP US)

Citation (search report)

- [X] US 4658426 A 19870414 - CHABRIES DOUGLAS M [US], et al
- [A] EP 0579152 A1 19940119 - MINNESOTA MINING & MFG [US]
- [A] EP 0558312 A1 19930901 - CENTRAL INST DEAF [US]
- [PA] EP 1617419 A2 20060118 - BITWAVE PRIVATE LTD [SG]

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1755110 A2 20070221; **EP 1755110 A3 20090506**; DE 102005039621 A1 20070301; US 2007043559 A1 20070222; US 2011022382 A1 20110127; US 7822602 B2 20101026; US 8352256 B2 20130108

DOCDB simple family (application)

EP 06014433 A 20060712; DE 102005039621 A 20050819; US 50736906 A 20060821; US 89581710 A 20100930