

Title (en)

Background noise estimation in a loudspeaker-room-microphone system

Title (de)

Hintergrundgeräusch-Schätzung in einem Lautsprecher-Raum-Mikrophon-System

Title (fr)

Estimation du bruit de fond dans un système de microphone/haut-parleur de pièce

Publication

EP 2257082 A1 20101201 (EN)

Application

EP 09161443 A 20090528

Priority

EP 09161443 A 20090528

Abstract (en)

A system and a method are disclosed in which the signal components of a plurality of non-interdependent acoustic channels of a multichannel music source are processed in a multichannel assembly for acoustic echo cancellation (AEC) so that the music components in the signal of a microphone are optimally cancelled. The microphone is located in a closed-off acoustic room, such as, for example, the passenger compartment of a motor vehicle and picks up signal components of music, background noise and any speech signals existing.

IPC 8 full level

H04R 27/00 (2006.01); **H04M 9/08** (2006.01); **H04S 3/02** (2006.01)

CPC (source: EP US)

H04R 27/00 (2013.01 - EP US); **G10K 2210/3055** (2013.01 - EP); **H04S 3/02** (2013.01 - EP)

Citation (search report)

- [X] WO 03061344 A2 20030724 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] EP 1475781 A2 20041110 - ALPINE ELECTRONICS INC [JP]

Cited by

CN114175606A; WO2018200403A3; US10720138B2; US11631390B2

Designated contracting state (EPC)

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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