Title (en)

Method for suppressing noise in an acoustic signal for a multi-microphone audio device operating in a noisy environment

Title (de)

Verfahren zur Geräuschdämpfung eines Audiosignals für eine Multimikrofon-Audiovorrichtung, die in lauten Umgebungen eingesetzt wird

Title (fr)

Procédé de débruitage d'un signal acoustique pour un dispositif audio multi-microphone opérant dans un milieu bruité

Publication

EP 2680262 B1 20150513 (FR)

Application

EP 13171948 A 20130614

Priority

FR 1256049 A 20120626

Abstract (en)

[origin: EP2680262A1] The method involves denoising two parts of a spectrum with implementation of an adaptive algorithm estimator by denoising and exploiting a character of a useful signal from a sensor to another sensor between first sub-array sensors by a first adaptive algorithm estimator (14) for a high frequency part and by denoising by prediction of noise from the sensor to another sensor between second sub-array sensors by a second adaptive algorithm estimator (18) for a low frequency part. The spectrum is reconstructed (22) by combining signals delivered after denoising the two parts of the spectrum. The character is a predictable character. The sensors of the first sub-array of sensors are unidirectional sensors oriented along direction of a speech source.

IPC 8 full level

G10L 21/0208 (2013.01); **G10L 21/0216** (2013.01)

CPC (source: EP US)

G10L 21/0208 (2013.01 - EP US); **H04R 3/002** (2013.01 - US); G10L 2021/02166 (2013.01 - EP US)

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DOCDB simple family (publication)

EP 2680262 A1 20140101; **EP 2680262 B1 20150513**; CN 103517185 A 20140115; CN 103517185 B 20180921; FR 2992459 A1 20131227; FR 2992459 B1 20140815; US 2013343558 A1 20131226; US 9338547 B2 20160510

DOCDB simple family (application)

EP 13171948 A 20130614; CN 201310256621 A 20130625; FR 1256049 A 20120626; US 201313915298 A 20130611