Title (en)

Method and device for estimating an interference noise

Title (de)

Verfahren und Vorrichtung zum Schätzen eines Störgeräusches

Title (fr)

Procédé et dispositif destinés à l'évaluation d'un bruit parasite

Publication

EP 2495724 B1 20131120 (DE)

Application

EP 12154134 A 20120207

Priority

DE 102011004338 A 20110217

Abstract (en)

[origin: US2012213395A1] In order to enable better estimation of dynamic interference noise, a device and a method for estimating interference noise provide a value for the power density of a total signal, containing a wanted signal and the interference noise to be estimated, in a current time window. The value of the total signal is compared with an estimated value, multiplied with an amplification factor, of interference noise from a time window prior to the current time window and the smaller of the two values from the comparison is used as a preliminary estimated value for the interference noise in the current time window. A codebook estimated value for the interference noise in the current time window is also provided. Finally, the larger of the preliminary estimated value and the codebook estimated value is used as the estimated value for the interference noise in the current time window.

IPC 8 full level

G10L 21/02 (2013.01)

CPC (source: EP US)

G10L 21/0232 (2013.01 - EP US); **H04R 25/00** (2013.01 - EP US); **H04R 25/50** (2013.01 - EP US); G10L 2021/02163 (2013.01 - EP US); G10L 2021/065 (2013.01 - EP US); H04R 2225/43 (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102011004338 B3 20120712; DK 2495724 T3 20140210; EP 2495724 A1 20120905; EP 2495724 B1 20131120; US 2012213395 A1 20120823; US 8634581 B2 20140121

DOCDB simple family (application)

DE 102011004338 A 20110217; DK 12154134 T 20120207; EP 12154134 A 20120207; US 201213397859 A 20120216