

Title (en)

A BACKGROUND NOISE ELIMINATE DEVICE AND METHOD FOR SPEECH COMMUNICATION TERMINAL

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ELIMINIERUNG VON HINTERGRUNDGERÄUSCHEN FÜR EIN SPRACHKOMMUNIKATIONSSENDGERÄT

Title (fr)

DISPOSITIF ET PROCEDE D'ELIMINATION DE BRUIT DE FOND POUR UN TERMINAL DE COMMUNICATION ORALE

Publication

EP 1768109 A4 20070502 (EN)

Application

EP 05774479 A 20050818

Priority

- CN 2005001289 W 20050818
- CN 200410058578 A 20040818

Abstract (en)

[origin: EP1768109A1] The present invention discloses a device for eliminating background noise of a voice communication terminal, which includes a Sound Sensor Module, an Adaptive Filter, a Noise Estimating Module and an Adding Module connected successively. The invention also discloses a method for eliminating background noise of a voice communication terminal, which includes: collecting sound signals including the a talker's voice and receiver background noise received by a listener; estimating the receiver background noise signal in the signal collected; reversing the phase of the estimated receiver background noise signal and adding the estimated receiver background noise signal with reversed phase on the talker's voice signal received by the voice communication terminal before playing the added signal for the listener. The device and method can properly counteract the background noise around an earphone, and reduce the interference of background noise to the listener.

IPC 8 full level

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CPC (source: EP)

G10L 21/0208 (2013.01); **H04R 1/1083** (2013.01)

Citation (search report)

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