

Title (en)

METHOD FOR IMPROVING ACOUSTIC NOISE ATTENUATION IN HAND-FREE DEVICES

Title (de)

VERFAHREN ZUR VERBESSERUNG DER AKUSTISCHEN RÜCKHÖRDÄMPFUNG IN FREISPRECHEINRICHTUNGEN

Title (fr)

PROCEDE POUR AMELIORER L'AFFAIBLISSEMENT ACOUSTIQUE DU SIGNAL LOCAL DANS DES APPAREILS MAIN LIBRE

Publication

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Application

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Abstract (en)

[origin: DE19806015A1] The present invention relates to a method for improving acoustic noise attenuation, wherein said method uses a combination which comprises an adaptation control for the partial-band echo compensation process as well as a global-band post-filtration for suppressing residual echo in hand-free devices. This method also uses a level balance (22) as well as a controllable frequency-selection echo compensation (28) with partial-band processing. After the frequency-selection echo compensation (28), the outputted signal is submitted to a post-filtration in another frequency-selection filter (30) using an Wiener-equation adjustment algorithm (Wiener filtration). A single control value (increment vector) is used for controlling both the frequency-selection echo compensation and the other filter. This method can thus be implemented with a very reduced amount of calculations so that it can also be used in simple consumer-directed processors.

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