

Title (en)

Frequency filtering method using a Wiener filter applied to noise reduction of audio signals

Title (de)

Verfahren zur Frequenzfilterung mittels eines Wiener Filters für die Geräuschunterdrückung von Audiosignalen

Title (fr)

Procédé de filtrage fréquentiel appliqué au débruitage de signaux sonores mettant en oeuvre un filtre de Wiener

Publication

**EP 0918317 B1 20030827 (FR)**

Application

**EP 98402894 A 19981120**

Priority

FR 9714641 A 19971121

Abstract (en)

[origin: EP0918317A1] The noisy signal is converted into the frequency domain by Fourier analysis (1). A model is created of the noise (2) and estimates made of the spectral density, energy level and the conversion coefficient for statistical dispersion. In parallel to this similar estimates are made of the noisy signal (3). The two results are then recombined in a Wiener filter (4) which compensates for energy levels and applies noise overestimation. The signal is then reconstructed (5).

IPC 1-7

**G10L 21/02**

IPC 8 full level

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CPC (source: EP US)

**G10L 21/0208** (2013.01 - EP US)

Cited by

EP1277202A4; EP1132896A1; EP1170728A1; EP1278185A3; DE10137348A1; FR2820227A1; EP1154405A1; FR2808917A1; US6859773B2; US7313518B2; US7889874B1; WO0203383A1; WO02061731A1; EP1242992B2

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