Title (en)
ADAPTIVE DIGITAL FILTERING PROCESS IN THE FREQUENCY DOMAIN

Title (de)
VERFAHREN ZUR ADAPTIVEN DIGITALEN FILTERUNG IM FREQUENZBEREICH

Title (fr)
PROCEDE DE FILTRAGE NUMERIQUE ADAPTATIF DANS LE DOMAINE FREQUENTIEL

Publication
EP 0848867 A1 19980624 (FR)

Application
EP 96931093 A 19960909

Priority
- FR 9601378 W 19960909
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Abstract (en)
[origin: WO9709782A1] The invention concerns an adaptive filtering process for time input signals (X(n)) in the frequency domain. Filtering is carried out on blocks (xm(k)) of m successive signals ((x(n)), ... x (n+m-1))), by multiplying the Fourier transform (X2m(k)) of the input signal blocks by blocks (W2m(k)) of weighting coefficients in the frequency domain, the coefficient blocks being calculated recursively from preceding coefficient blocks and from first and second corrective terms (C2m<1>(k), C2m<2>(k)) obtained from output signals (ym(k)) corresponding to the filtered input signals and from the Fourier transform of a model of the input (bp+1).

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