

Title (en)

METHOD AND DEVICE FOR RADIO SIGNAL RECEPTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR RAUSCHUNTERDRÜCKUNG IN EINEM EMPFÄNGER

Title (fr)

PROCEDE ET DISPOSITIF D'ANNULATION DE L'INTERFERENCE DANS UN RECEPTEUR

Publication

EP 1293048 A1 20030319 (FR)

Application

EP 01947548 A 20010620

Priority

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- FR 0008008 A 20000622

Abstract (en)

[origin: WO0199301A1] The received radio signal comprises contributions from channels multiplexed by spread codes. A receiver with adapted filter (41, 42, , 4U) is assigned to each multiplexed channel to estimate the channel pulse response and determine first flexible estimations of a block of bits transmitted on the channel. In output of the receivers with adapted filters, the first flexible estimations are re-processed so as to take into account the inter-symbol interference and the interference caused by the other channels. The contributions of said interfering channels are evaluated on the basis of decisions taken on the values of the symbols and autocorrelation and intercorrelation values of convoluted spread codes with the estimated pulse responses of the channels.

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CPC (source: EP US)

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