

Title (en)

ADAPTIVE FILTER EQUALISATION TECHNIQUES

Title (de)

VERFAHREN ZUR ENTZERRUNG MITTELS ADAPTIVEM FILTER

Title (fr)

TECHNIQUES D'EGALISATION ADAPTATIVE DE FILTRES

Publication

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Application

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Abstract (en)

[origin: WO0059168A1] Multipath communications channels can result in intersymbol interference that requires the use of equalisation techniques to be removed. A method of estimating coefficients of an equaliser filter which receives an input channel signal, includes initialising preselected coefficients of the equaliser filter in accordance with a calculated channel matched filter model, and estimating the coefficients of the filter using an estimation technique and a known input channel signal to the equaliser. Initialising the coefficients in this way enables the training period of the filter to be reduced.

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