Title (en)
IMPROVEMENT TO METHODS OF PROCESSING THE CROSSTALK IN XDSL SYSTEMS

Title (de)
VERBESSERUNGEN AN VERFAHREN ZUM VERARBEITEN DES ÜBERSPRECHENS IN XDSL-SYSTEMEN

Title (fr)
AMELIORATION DES METHODES DE TRAITEMENT DE LA TELEDIAPHONIE DANS DES SYSTEMES XDSL

Publication
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Application
EP 08841122 A 20081002

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• FR 0758121 A 20071005

Abstract (en)
[origin: WO2009053588A1] The present invention relates to a method of processing interfaces in a system comprising N active lines, said method comprising a step of determining the inverse of a response matrix of the system whose coefficients represent an interference generated by a useful signal conveyed by a first active line i on a useful signal conveyed by a second active line k, an interference processing matrix being determined on the basis of the inverse of said response matrix of the system. Such a method comprises prior to the step of determining the inverse of the response matrix of the system; for coefficients belonging to a first line and coefficients belonging to a first column of the response matrix of the system, a step of determining an influence of said coefficients on the performance of the system, a line index i identifying the first line being identical to a column index j identifying the first column, a step of permuting a line and a column whose line index i' and column index j' are identical and equal i+1 and j +1 with said second line and a column whose column index is identical to the line index of said second line, or said second column of said response matrix of the system and a line whose line index is identical to the column index of said second column.

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