

Title (en)
ADAPTIVE FILTER EQUALISATION TECHNIQUES

Title (de)
VERFAHREN ZUR ENTZERRUNG MITTELS ADAPTIVEM FILTER

Title (fr)
TECHNIQUES D'EGALISATION ADAPTATIVE DE FILTRES

Publication
EP 1166512 A1 20020102 (EN)

Application
EP 00918993 A 20000330

Priority
• GB 0001214 W 20000330
• GB 9907354 A 19990330

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.

IPC 1-7
H04L 25/03; H04L 7/04

IPC 8 full level
H04L 27/01 (2006.01); **H04B 3/04** (2006.01); **H04L 7/04** (2006.01); **H04L 25/03** (2006.01)

CPC (source: EP)
H04B 3/04 (2013.01); **H04L 25/03031** (2013.01); **H04L 25/03038** (2013.01)

Citation (search report)
See references of WO 0059168A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0059168 A1 20001005; AU 3975700 A 20001016; EP 1166512 A1 20020102; GB 9907354 D0 19990526; JP 2002540728 A 20021126

DOCDB simple family (application)
GB 0001214 W 20000330; AU 3975700 A 20000330; EP 00918993 A 20000330; GB 9907354 A 19990330; JP 2000608555 A 20000330