

Title (en)

METHOD FOR THE ADAPTIVE ADJUSTMENT OF AN EQUALISER COEFFICIENT

Title (de)

VERFAHREN ZUR ADAPTIVEN EINSTELLUNG DER KOEFFIZIENTEN EINES ENTZERRERS

Title (fr)

PROCEDE POUR LE REGLAGE ADAPTATIF DU COEFFICIENT D'UN EGALISEUR

Publication

**EP 1203475 A1 20020508 (DE)**

Application

**EP 00962164 A 20000720**

Priority

- DE 0002411 W 20000720
- DE 19934672 A 19990723

Abstract (en)

[origin: DE19934672A1] According to the present invention, the coefficients (w(0) and (w(1) of an equaliser are adapted using an error correction algorithm in order to minimise interference between symbols. The purpose of the invention is to prevent a coefficient migration during adaptive equalising. To this end, the coefficients (w(0) and (w(1) determined using the error correction algorithm are modified using a correction term (kt(0), kt(1)) so that the equaliser transmission function has a favourable value outside the utility signal frequency range for one or more preselected frequencies.

IPC 1-7

**H04L 25/03**

IPC 8 full level

**H04B 7/005** (2006.01); **H04L 1/00** (2006.01); **H04L 25/03** (2006.01)

CPC (source: EP)

**H04B 7/005** (2013.01); **H04L 1/0047** (2013.01); **H04L 25/03012** (2013.01); **H04L 2025/0363** (2013.01); **H04L 2025/03681** (2013.01)

Citation (search report)

See references of WO 0108364A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**DE 19934672 A1 20010208**; EP 1203475 A1 20020508; WO 0108364 A1 20010201

DOCDB simple family (application)

**DE 19934672 A 19990723**; DE 0002411 W 20000720; EP 00962164 A 20000720