

Title (en)

METHOD FOR ESTIMATING RESIDUAL PHASE ERROR IN DEMODULATED DIGITAL SIGNAL SAMPLES, AND CORRECTION METHOD THEREFOR

Title (de)

VERFAHREN ZUR SCHÄTZUNG BEZIEHUNGSWEISE KORREKTUR EINES RESTLICHEN PHASENFEHLERS IN EINEM DEMODULIERTEN DIGITALEN SIGNAL

Title (fr)

PROCEDE D'ESTIMATION D'UNE ERREUR DE PHASE RESIDUELLE SUR LES ECHANTILLONS D'UN SIGNAL NUMERIQUE DEMODULE, ET PROCEDE DE CORRECTION CORRESPONDANT

Publication

EP 0767996 A1 19970416 (FR)

Application

EP 95924350 A 19950621

Priority

- FR 9500825 W 19950621
- FR 9407984 A 19940623

Abstract (en)

[origin: WO9600472A1] A method for estimating residual phase error in data samples (Zk) of a demodulated digital signal, comprising the steps of making a hard decision (31) concerning the value of each sample by combining each sample with the likeliest data element among a constellation of data elements forming a modulation alphabet; determining (32) a phase shift between each sample and the related data element; and estimating (33, 34) information representing said residual phase error on the basis of the phase shift corresponding to at least two samples.

IPC 1-7

H04L 5/06; **H04L 27/233**

IPC 8 full level

H04L 27/233 (2006.01); **H04L 27/26** (2006.01); **H04L 27/00** (2006.01)

CPC (source: EP)

H04L 27/2332 (2013.01); **H04L 27/2657** (2013.01); **H04L 27/2679** (2013.01); **H04L 2027/0032** (2013.01); **H04L 2027/0057** (2013.01); **H04L 2027/0065** (2013.01)

Citation (search report)

See references of WO 9600472A1

Designated contracting state (EPC)

DE ES GB IT NL

DOCDB simple family (publication)

WO 9600472 A1 19960104; EP 0767996 A1 19970416; FR 2721778 A1 19951229; FR 2721778 B1 19960906

DOCDB simple family (application)

FR 9500825 W 19950621; EP 95924350 A 19950621; FR 9407984 A 19940623