

Title (en)

METHOD FOR DISTURBANCE COMPENSATION OF A SIGNAL GENERATED BY DISCRETE MULTITONE-MODULATION AND CIRCUIT ARRANGEMENT FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR KOMPENSATION VON STÖRUNGEN BEI EINEM MIT DISKRETER MULTITON-MODULATION ERZEUGTEN SIGNAL UND SCHALTUNGSANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE POUR LA COMPENSATION DE DYSFONCTIONNEMENTS LORS DE LA PRODUCTION D'UN SIGNAL PAR MODULATION MULTITONALITE DISCRETE, ET CIRCUIT POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication

**EP 1133857 A1 20010919 (DE)**

Application

**EP 99960912 A 19991117**

Priority

- DE 9903656 W 19991117
- DE 19854165 A 19981124
- DE 19901465 A 19990115

Abstract (en)

[origin: US6647076B1] The invention relates to a method for the compensation of interference in a signal generated by discrete multitone modulation. The signal generated by discrete multitone modulation has a multiplicity of carrier frequencies, and each carrier frequency has a signal vector. An error signal vector is generated from a reference signal vector, which is a signal vector from the multiplicity of signal vectors. The error signal vector is added to each of the remaining signal vectors of the multiplicity of signal vectors for the purpose of compensating for interference. Each of the signal vectors of the multiplicity of signal vectors, except for the reference signal vector, is assigned a set of adjustable coefficients by which the error signal vector is multiplied prior to the addition.

IPC 1-7

**H04L 27/26**; **H04L 25/03**

IPC 8 full level

**H04J 11/00** (2006.01); **H04L 25/03** (2006.01)

CPC (source: EP US)

**H04L 25/03159** (2013.01 - EP US); **H04L 2025/03414** (2013.01 - EP US); **H04L 2025/03522** (2013.01 - EP US); **H04L 2025/03611** (2013.01 - EP US)

Citation (search report)

See references of WO 0031937A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 6647076 B1 20031111**; CN 1118169 C 20030813; CN 1328739 A 20011226; EP 1133857 A1 20010919; JP 2002531008 A 20020917; JP 3739655 B2 20060125; WO 0031937 A1 20000602

DOCDB simple family (application)

**US 44971799 A 19991124**; CN 99813695 A 19991117; DE 9903656 W 19991117; EP 99960912 A 19991117; JP 2000584655 A 19991117