

Title (en)

METHOD AND APPARATUS FOR TCM DECODING USING QPSK VITERBI DECODER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TCM DECODIERUNG UNTER VERWENDUNG VON EINEM QPSK VITERBI DECODIERER

Title (fr)

PROCEDE ET APPAREIL DESTINES AU DECODAGE DE MODULATION CODEE EN TREILLIS AU MOYEN D'UN DECODEUR DE VITERBI A DPQ

Publication

EP 1072099 A1 20010131 (EN)

Application

EP 99918600 A 19990416

Priority

- US 9908346 W 19990416
- US 8219998 P 19980417

Abstract (en)

[origin: WO9955010A1] A method and apparatus for decoding a high order trellis-coded modulated (TCM) signal avoids the need to modify a standard QPSK Viterbi decoder by including a pre-processing unit that transforms a received signal to an equivalent signal vector of soft value in the QPSK signal constellation.

IPC 1-7

H03M 13/00; **H04L 27/18**

IPC 8 full level

H03M 13/00 (2006.01); **H04L 27/18** (2006.01)

CPC (source: EP)

H03M 13/256 (2013.01); **H04L 27/38** (2013.01); **H03M 13/6362** (2013.01)

Citation (search report)

See references of WO 9955010A1

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 9955010 A1 19991028; AU 3647499 A 19991108; EP 1072099 A1 20010131

DOCDB simple family (application)

US 9908346 W 19990416; AU 3647499 A 19990416; EP 99918600 A 19990416