Title (en)
   CODING METHOD

Title (de)
   KODIERUNGSVERFAHREN

Title (fr)
   PROCEDE DE CODAGE

Publication
   EP 1397896 A1 20040317 (FR)

Application
   EP 02738289 A 20020530

Priority
   • FR 0201821 W 20020530
   • FR 0107157 A 20010531

Abstract (en)
   [origin: WO02098092A1] The invention consists in coding a binary word according to a plurality of coding tables, whereby the coding table is chosen for each binary word to be coded, according to at least one item of additional information to be coded. In one embodiment, a word consisting of p bits is coded with a symbol which is composed of q ternary numbers, p and q being chosen in such a way that the number of symbols having a weight of zero is equal to 2 x 2<p>. A first coding table comprises 2<p> symbol, having a weight of zero. A second coding table comprises 2<p> other symbols having a weight of zero. In a second embodiment, p and q are chosen in such a way that the number of symbols having a weight of zero or equal to +/- 1 is at least equal to 3x2<p>; a first coding table comprises 2<p> symbols, having a weight of zero; a second coding table comprises 2<p> other symbols having a weight of equal to -1; and a third coding table comprises 2<p> other symbols having a weight equal to +1. In a third embodiment q binary symbols are used; p and q are chosen in such a way that q is greater than or equal to p+1; a first coding table comprises 2<p> symbols; and a second coding table comprises 2<p> other symbols. symboles. The invention can be used in particular with data transmission networks in compliance with the IEEE 802.3 standard.

IPC 1-7
   H04L 25/49; H03M 5/16

IPC 8 full level
   H03M 7/04 (2006.01); **H03M 5/16** (2006.01); **H04L 25/49** (2006.01)

CPC (source: EP US)
   H03M 5/16 (2013.01 - EP US); **H04L 25/4919** (2013.01 - EP US); **H04L 25/4925** (2013.01 - EP US)

Citation (search report)
   See references of WO 02098092A1

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

DOCDB simple family (publication)
   WO 02098092 A1 20021205; CN 1516944 A 20040728; EP 1397896 A1 20040317; FR 2825538 A1 20021206; JP 2004532589 A 20041021; US 2004150545 A1 20040805

DOCDB simple family (application)
   FR 0201821 W 20020530; CN 02812237 A 20020530; EP 02738289 A 20020530; FR 0107157 A 20010531; JP 2003501162 A 20020530; US 47885603 A 20031125