

Title (en)

APPARATUS AND METHOD FOR ENCODING AND DECODING ATTRIBUTE DATA INTO ERROR CHECKING SYMBOLS OF MAIN DATA

Publication

EP 0263175 A4 19911121 (EN)

Application

EP 87903098 A 19870409

Priority

US 85102586 A 19860411

Abstract (en)

[origin: WO8706368A1] Apparatus and methods for encoding information of one class into the parity for main data of another class. The methods and apparatus fundamentally take one member of a limited first class of data and concatenate it with main data (20). Parity is then calculated on the concatenate word (24). After the main data and parity is transmitted or recorded, the selected member from the first class of data may be recovered by comparing (48, 50) the main data and its parity to the parity generated on the receiver side using the main data and each member of the first class of data to generate a plurality of syndromes. The first all zero syndrome identifies the member of the first class which was encoded into the parity of the main data.

IPC 1-7

G06F 11/10

IPC 8 full level

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CPC (source: EP)

H03M 13/13 (2013.01); **H03M 13/35** (2013.01); **G06F 11/10** (2013.01)

Citation (search report)

- No further relevant documents have been disclosed.
- See references of WO 8706368A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 8706368 A1 19871022; EP 0263175 A1 19880413; EP 0263175 A4 19911121; IL 82176 A0 19871030; IL 82176 A 19930610; JP S63503016 A 19881102

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