

Title (en)

METHOD OF IMPROVING THE ITERATIVE DECODING OF CODES

Title (de)

VERFAHREN ZUM VERBESSERN DER ITERATIVEN DECODIERUNG VON CODES

Title (fr)

PROCEDE D'AMELIORATION DE DECODAGE ITERATIF DE CODES

Publication

**EP 1932241 A2 20080618 (FR)**

Application

**EP 06793408 A 20060911**

Priority

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- FR 0509220 A 20050909

Abstract (en)

[origin: WO2007028834A2] The invention relates to a method of improving the iterative decoding of short codes in a demodulator. The inventive method is characterised in that it comprises at least the following steps consisting in: decoding the bit metric vector output from the demodulator; comparing the value of the check code of the CRC of the decoded word with a pre-determined value; if the value of the CRC forms an acceptable message for the decoding step, transmitting the decoded word to the recipient; and, if the value of the CRC is incompatible with a correctly-decoded message, modifying the iterative decoding parameters of the initial message, which were received from the demodulator, and executing at least one new iterative decoding step with said new parameters.

IPC 8 full level

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