

Title (en)
METHOD FOR ENCODING, FOR A RADIO INFRASTRUCTURE, DATA WITH A DOUBLE INTERLEAVING OF PARITY SYMBOLS, AND ASSOCIATED CODEC

Title (de)
VERSCHLÜSSELUNGSVERFAHREN FÜR EINE FUNKINFRASTRUKTUR, DATEN MIT DOPPELTER VERSCHACHTELUNG VON PARITÄTSSYMBOLN UND ASSOZIIERTER CODEC

Title (fr)
PROCÉDÉ DE CODAGE DE DONNÉES À DOUBLE ENTRELACEMENT DE SYMBOLES DE PARITÉ, POUR UNE INFRASTRUCTURE RADIO, ET CODEC ASSOCIÉ

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Application
EP 10707323 A 20100119

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Abstract (en)
[origin: WO2010084283A1] The invention relates to a method dedicated to encoding data to be sent via a transmission infrastructure using waves, which includes: i) a step comprising simultaneously creating M first matrices with T rows and C columns with data subsets of B consecutive bursts received, the data subsets of each burst being distributed in at least two first consecutive matrices; ii) a step comprising simultaneously creating M second matrices with T rows and N columns with parity symbols resulting from encoding data respectively contained in the rows of each one of the M first matrices; iii) a step comprising simultaneously creating M third matrices with K rows and C columns with parity symbols resulting from encoding data respectively contained in the columns of each of the M first matrices; and iv) a step comprising distributing by interleaving J subsets of parity symbols of each second matrix in J consecutive sets, as well as P subsets of parity symbols of each third matrix in P of said consecutive sets, and placing the respective data of the consecutive bursts received in each one of the consecutive sets.

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Citation (search report)
See references of WO 2010084283A1

Citation (examination)
• EP 1401109 A1 20040324 - CIT ALCATEL [FR]
• BESSEM SAYADI ET AL: "Architecture for Real-Time Stream Error Handling in Converged DVB-SH/Cellular Network", GLOBAL TELECOMMUNICATIONS CONFERENCE, 2008. IEEE GLOBECOM 2008. IEEE, IEEE, PISCATAWAY, NJ, USA, 30 November 2008 (2008-11-30), pages 1 - 5, XP031370233, ISBN: 978-1-4244-2324-8

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