

Title (en)

METHOD OF ENCODING AND DECODING USING LDPC CODE AND APPARATUS THEREOF

Title (de)

VERFAHREN ZUM CODIEREN UND DECODIEREN UNTER VERWENDUNG VON LDPC-CODE UND VORRICHTUNG DAFÜR

Title (fr)

PROCEDE DE CODAGE ET DE DECODAGE AU MOYEN DU CODE LDPC ET APPAREIL ASSOCIE

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Application

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Abstract (en)

[origin: WO2006031062A2] A method of encoding/decoding using an LDPC code and apparatus thereof are disclosed, by which a memory for storing a parity check matrix can be saved. The present invention includes generating a parity check matrix by expanding a base matrix including a permutation type defining a permutation matrix as at least one element, wherein the permutation matrix is generated from permutating a sequence of at least one of rows and columns of at least one base permutation matrix or rotating the at least one base permutation matrix and encoding or decoding the input data using the parity check matrix.

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