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Encoders for Block-Circulant LDPC Codes

Tech ID: 22320 / UC Case 2009-131-0

SUMMARY

Methods and apparatus to encode message input symbols in accordance with an accumulate-repeat-accumulate code with repetition three or four are disclosed. Block circulant matrices are used. A first method and apparatus make use of the block-circulant structure of the parity check matrix. A second method and apparatus use block-circulant generator matrices.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	7,499,490	03/03/2009	2009-131

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OTHER INFORMATION

CATEGORIZED AS

- ▶ Semiconductors
- ▶ Design and Fabrication

RELATED CASES

2009-131-0

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