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METHOD AND APPARATUS FOR IMPLEMENTING PRML CODES WITH MAXIMUM ONES

Abstract of the Disclosure

Apparatus and methods are provided for encoding a predefined number of bits of binary data into codewords having a predefined number of bits for a partial-response maximum-likelihood (PRML) data channel in a direct access storage device (DASD). Rate 8/9 block codes having maximum ones and run length constraints $(0,8,12,\infty)$ and $(0,8,6,\infty)$ provide timing and gain control and reduced susceptibility to misequalization effects in PRML channels.

Figure : 1

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