A B S T R A C T

There is provided a method of processing data for generating an error correcting product code block devised so as to maintain the current level of redundancy after the error correcting ability is modified as a result of advancement of the technologies of semiconductor and data recording/transmission. Unlike any known technique of configuring a Reed-Solomon error correcting product code block of (M+P0)×(N+PI) bytes for an information data of (M×N) bytes, an error correcting product code block data structure is obtained by configuring a (K×(M+1)×(N+P))-byte Reed-Solomon error correcting product code block for a (K×M×N)-byte data and making K variable to consequently make the entire size of the Reed-Solomon error correcting product code block variable and, at the same time, the error correcting ability variable in proportion to the value of K without increasing the redundancy.

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ACTION