METHOD AND APPARATUS FOR SELECTIVELY VARYING ERROR CORRECTING CODE (ECC) POWER IN A DIRECT ACCESS STORAGE DEVICE (DASD)

ABSTRACT

A method and apparatus are provided for utilizing error correction code (ECC) in a direct access storage device (DASD). A plurality of predetermined file conditions are identified. Each of the plurality of predetermined file conditions are related to a read data raw error rate. An ECC burst control (64) is provided with an ECC engine (66) for varying an ECC correction power of the ECC engine. The ECC correction power is selectively varied responsive to the identified predetermined file conditions.

Fig. 4