REPEATABLE RUNOUT FREE SERVO ARCHITECTURE IN DIRECT ACCESS STORAGE DEVICE

ABSTRACT

In a direct access storage device including a rotating disk, a head positioned for interaction with said disk, an actuator (22) for carrying said head and a servo system for operating said actuator (22) so as to follow a substantially circular track on said disk by responding to a position error signal, a method for reducing response of the servo system to radial runout of the circular tracks, comprising the steps of obtaining radial runout data; filtering the data; storing the filtered data; subtracting the filtered data from the position error signal to obtain a corrected position error signal; and using the corrected position error signal to control the servo system.

Fig. 3

This Sheet Has Been Replaced

