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(71) Applicant: SEAGATE TECHNOLOGY, INC. [US/US]; 920 Disc Drive, P.O. Box 66360, Scotts Valley, CA 95067-0360 (US).

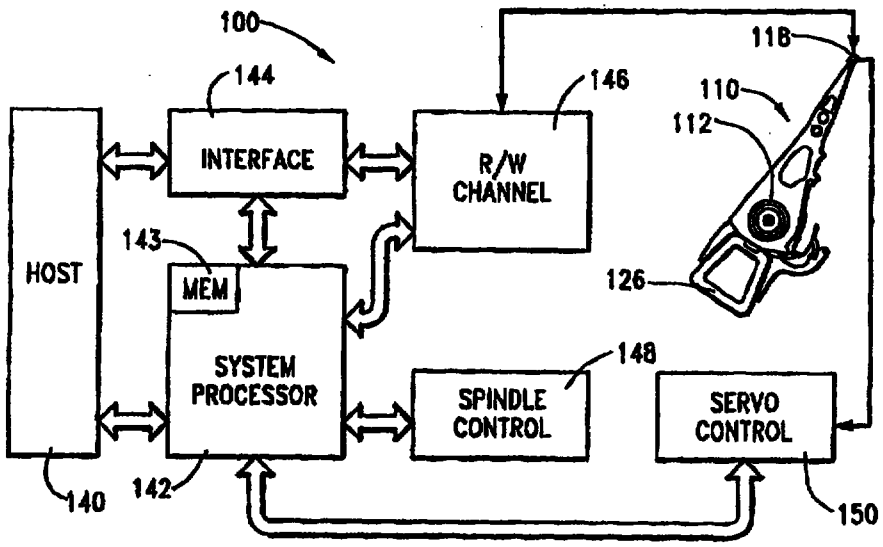
(72) Inventor: HAMPSHIRE, Randall, D.; Route #1, Box 142, Agra, OK 74824 (US).

(74) Agents: McCARTHY, Bill, D.; McCarthy & Associates, Inc., Suite 250, 101 Park Avenue, Oklahoma City, OK 73102-7206 (US) et al.

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(54) Title: WEIGHTED LINEARIZATION OF A DISC DRIVE POSITION ERROR SIGNAL



(57) Abstract

Apparatus and method for providing a nominally linearized position error signal in a disc drive (100). First and second position error signals (202, 222) are generated from selected combinations of servo burst signals obtained as a head (118) passes over servo position fields (186, 188, 190, 192) associated with a selected track (182). A third position error signal (344) is generated as a weighted sum of the first and second position error signals (202, 222) and used to control the amount of current applied to an actuator coil (126) in order to position the head (118) relative to the selected track (182).