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(54) Title: PQ ENHANCED DUAL STAGE SERVO CONTROLLER

(57) Abstract

A servo controller (250) controls the servo system in a disc drive (110). A proportional integrator component (166) receives the target track signal indicative of a target track and a measured track signal indicative of actual or measured data head position. During seek mode, the proportional integrator (166) provides an output signal based on the measured track signal and the target track signal. A profile generator component (170) provides a profile signal based on the output signal from the proportional integrator (166). A coarse actuator (120) is driven based on the profile signal. A filter component (252) is coupled to the profile generator (170) and filters the profile signal to provide a filtered profile signal. The fine actuator (127) is driven based on the filtered profile signal.

