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(54) Title: MINIMIZING SETTLING TIME IN A DISC DRIVE SERVO SYSTEM

(57) Abstract

An apparatus and method for adaptively settling a head (120) onto a destination track (250) of a disc drive (100) at the conclusion of a velocity controlled seek (262) carried out by a servo circuit (144). When the head reaches a selected distance from the destination track (264), the velocity of the head is determined and compared to a desired velocity (266). A settling current correction value is determined from a settle table (236) in relation to the difference between the determined and desired velocities and applied (268) to a current command signal to generate a modified current command signal which is used to settle the head onto the destination track (270). The settle table is then adapted (272) in relation to position error measured during settling.

