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METHOD AND SYSTEM FOR PROVIDING SPINDLE MOTOR CONTROL FOR
HEAD LOADING IN A DISK DRIVE

ABSTRACT

A method and system for controlling spindle motor (16) speed during head loading in a disk drive are described. The method and system include the features of feeding forward control signals (30) sufficient to precompensate for drag during a head loading event and maintaining spindle motor (16) speed within an operating tolerance. Further features typically include inputting a time-varying reference velocity profile signal, and selecting a controller (32) to control spindle motor (16) speed.

FIG. 3



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