

METHOD AND CIRCUIT FOR DRIVING
A HARD DISK DRIVE SPINDLE MOTOR

ABSTRACT OF THE DISCLOSURE

5 A system for driving a hard disk drive spindle motor is disclosed. The system comprises a spindle motor control circuit (120) and a spindle motor power circuit (220). The system also includes at least one disk (22) attached to a rotatable spindle (21) and a spindle motor (400) which receives power signals from the spindle motor power circuit (220) and controls the rotation of the spindle
10 (21). The spindle motor control circuit (120) comprises a multiplexor (127) which transmits either a pulse width modulation signal or a current control signal in response to a mode selection signal, and a spindle predriver (125) which receives the multiplexor output signal and transmits
15 spindle motor control signals to the spindle motor power circuit (220).

Figure 1