

ABSTRACT OF THE DISCLOSURE

TITLE OF THE INVENTION

APPARATUS AND METHOD USED IN DISK DRIVE FOR DRIVING
SPINDLE MOTOR

A CPU sets an SPM driver in SPM start-up mode
when a SPM is started up. At this time, a voltage
selector applies, to a driver circuit, a voltage (high
5 voltage) boosted by a voltage booster. A starter
control circuit controls, during the period of an SPM
start-up mode, the driver circuit with the high
voltage applied thereto, thereby starting up the SPM.
After the SPM has been started up, the CPU sets the
10 SPM driver in PWM mode. At this time, the voltage
selector switches the voltage applied to the driver
circuit, from the boosted voltage to the voltage (low
voltage) of a power supply. During the period of the
PWM mode, a PWM circuit controls the driver circuit
15 with the low voltage applied thereto, so as to rotate
the SPM at a rated speed.

Fig. 1



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