

ABSTRACT

A single device, of which structural size is minimized, allows it to provide a method of driving a spindle motor, a spindle motor driving circuit, a method of driving a magnetic disk, and a magnetic disk device, each for driving a spindle motor in an optimal driving mode or with optimal driving characteristics according to a command from a higher level system or a type of an application in use. According to the command from the higher level system (10), a driving mode switching unit (2) in a spindle motor driving circuit (1) switches driving of the spindle motor (9) between a pulse-width modulation driving mode by a pulse-width modulation driving means (5) and a linear driving mode by a linear driving means (6). Thus, a single spindle motor driving circuit (1) can provide driving in a driving mode suitable for an intended use.



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