

METHOD AND SYSTEM FOR CONTROLLING A MOTOR**ABSTRACT**

5 A method and system for controlling a motor is provided. In particular, various
embodiments of the present disclosure describe a method and system for controlling a
spindle motor in a hard disk drive (HDD) A method of controlling a motor is provided,
the motor including a 3-phase synchronous motor with three terminals of an
electromagnetic winding configuration. The method includes providing an input voltage
10 between two of the terminals and measures a resultant silent terminal voltage at the third
terminal, which is thereafter used in determining a rotor position. A corresponding
system for controlling a motor is further provided.

Figure 8