

METHOD AND APPARATUS FOR USING BACK EMF TO CONTROL A MOTOR**ABSTRACT**

A method of controlling a motor having a plurality of phase inputs is disclosed that includes generating a respective control signal for each phase input of the motor such that each phase input is cyclically driven and undriven, measuring changes at each phase input relative to a reference potential, ignoring changes at each phase input during time intervals in which noise is expected, generating timing information based on the measured changes at the phase inputs, and utilizing the timing information to carry out the step of generating a respective control signal.

Figure 1