

Abstract

The invention relates to a controller (24; Fig. 1, 2; Fig. 12-17) for a brushless DC motor (1) without position sensor including an inverter (22) adapted to drive the motor (1) under chopper control and utilizing a counter electromotive force generated in stator coils (U, V, W) of respective phases as a rotor (3) is rotated in order to detect a position of the rotor and thereby to generate a commutation signal, said control system comprising means (50, 51) to detect a magnitude of current flowing through said motor (1) and means (52) to inhibit the position detection based on the electromotive force immediately after commutation has occurred based on the output from said current detecting means.

(Fig. 12)

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