

METHOD FOR CONTROLLING POSITION SENSORLESS MOTOR AND CONTROL DEVICE
THEREOF, AND METHOD AND DEVICE FOR FREQUENCY-TO-VOLTAGE CONVERSION
MAINLY USED FOR POSITION SENSORLESS MOTOR

ABSTRACT

The present invention relates to a control method and a control device for a position sensorless motor which has position sensorless operation and synchronized operation, wherein a rotation position of a rotor is detected on the basis of counter electromotive forces generated in stator coils in the position sensorless operation, the stator coils are excited in synchronization with the detected rotation position of the rotor to rotate the rotor and a deviation between a target position and the present position is determined from a target rotation position according to the position command signal and the detected rotation position, position sensorless close loop drive is made on the basis of the determined deviation, and when the synchronized operation is made, the stator coils of the motor are excited in synchronization with the position command signal to rotate the rotor.

FIG 1



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