

ABSTRACT**METHOD AND APPARATUS FOR COMPENSATING VOLTAGE
ERROR CAUSED BY DEAD TIME OF MOTOR DRIVING INVERTER**

A method and apparatus for compensating a voltage error caused by a dead time of a motor driving inverter outputs command current, generates command voltage by proportionally integrating the command current on a basis of a starting point in which a polarity of current being applied to a motor is varied, converts the command voltage to a control signal in a pulse width modulator, and transmits the command voltage to the inverter, whereby a current distortion occurring around a zero current becomes minimized and a torque ripple becomes decreased in accordance therewith.

(Figure 5)