

Abstract

When torque control is performed for suppressing speed change within one rotation using a synchronous motor (6) controlled by an inverter (5) for a load having cyclic torque changing, an arrangement is employed which includes inverter control means (8)(10) for controlling the inverter (5) so as to superpose a changing amount upon an amplitude and phase of a current waveform or voltage waveform, so that torque control is realized for reducing low speed vibration of a cyclic intermittent load with maximum efficiency condition and with practical arrangement.