

ABSTRACT

A method of stopping of a winding machine that hoists and lowers an object prevents abrasion of the electromagnetic brake and the descent of load. The winding machine, which winches a load up or down in response to a torque command T_{REF} to the electric motor M produced by the speed controller ASR in accordance with the a speed command N_{REF} generated by the speed command generation circuit NRC, operates at the stopping of the machine to cease the motor control if the motor speed N_{FB} is zero after the torque command to the motor M is brought to zero for a predetermined length of time following the issuance of a brake command to the electromagnetic brake which is coupled directly to the motor M .