

Abstract

Method of controlling a motor

It is known to control motors in so-called chopper operation with a pulse-width modulated voltage of constant amplitude. For the purposes of braking or reversal of the direction of rotation, a motor winding has its polarity changed in each case. It has been shown that in many other applications, for example in the case of a capstan motor of a video recorder, the braking is carried out too rapidly. It is the object to provide a method using chopper operation which enables a defined braking effect for the motor.

An intermittent reversal of polarity of the winding is carried out the [sic] time intervals separated by pauses and whose duration depends on the respectively desired braking effect.

In particular for the capstan motor in a video recorder

Fig. 1

This Sheet Has Been Replaced

