

Title (en)
DRIVE SYSTEM AND METHOD FOR OPERATING A DRIVE SYSTEM WITH ELECTROMAGNETICALLY ACTUATABLE BRAKE

Title (de)
ANTRIEBSSYSTEM UND VERFAHREN ZUM BETREIBEN EINES ANTRIEBSSYSTEMS MIT ELEKTROMAGNETISCH BETÄTIGBRER BREMSE

Title (fr)
SYSTÈME D'ENTRAÎNEMENT ET PROCÉDÉ SERVANT À FAIRE FONCTIONNER UN SYSTÈME D'ENTRAÎNEMENT COMPRENANT UN FREIN À ACTIONNEMENT ÉLECTROMAGNÉTIQUE

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Abstract (en)
[origin: WO2020151914A1] The invention relates to a drive system and method for operating a drive system, comprising an electromagnetically actuable brake, an electric motor (M) and an electronic circuit, wherein the brake has a coil (L) that can be supplied with current, in particular a brake coil, wherein the electronic circuit has a rectifier (1), an upper controllable semiconductor switch (T1), a flyback diode (D1) and a varistor (V1), wherein a DC voltage (UZ+, UZ-) provided by the rectifier (1) can be provided to the coil (L) by closing or pulse-width modulated actuating the upper controllable semiconductor switch (T1), and, by opening the upper controllable semiconductor switch (T1), a current driven by the coil when the coil (L) is de-energised flows and/or runs freely through the flyback diode (D1) and the varistor (V1) or a component (T2) connected in parallel to the varistor (V1).

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