

Title (en)

CIRCUIT ARRANGEMENT FOR OPERATING ELECTROMAGNETIC DRIVE SYSTEMS

Title (de)

SCHALTUNGSANORDNUNG ZUM BETRIEB ELEKTROMAGNETISCHER TRIEBSYSTEME

Title (fr)

CIRCUIT PERMETTANT DE FAIRE FONCTIONNER DES SYSTÈMES D'ATTAQUE

Publication

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Application

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Abstract (en)

[origin: WO2017093552A1] The present invention relates to a circuit arrangement for actuating an electromagnetic drive system for electromechanical devices, in particular comprising a mechanically locked end position, at least one control voltage source (UB), at least one closed-loop and open-loop control circuit (1), at least one drive system (2), at least one transformer (T1), at least one rectifier bridge (VD5, VD6, VD7, VD8), at least one smoothing capacitor (C5), at least one main switching transistor (VT2) by means of which the drive system (2) can be controlled in a characteristic pulse tracking system and wherein the main switching transistor (VT2) is connected in series with a primary branch of the transformer (T1), wherein the transformer (T1) is connected to the supply voltage (UB) and the secondary side of the transformer (T1) supplies the rectifier bridge (VD5, VD6, VD7, VD8) whose DC output voltage is smoothed by the smoothing capacitor (C5) and is added to the voltage of the control voltage source (UB) such that an input with DC voltage with a temporal supply gradient occurs. The present invention also relates to a method for operating a circuit arrangement.

IPC 8 full level

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