

Title (en)

CIRCUIT AND PROCESS FOR OPERATING AN ADJUSTING DRIVE

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINES VERSTELLANTRIEBS

Title (fr)

CIRCUITERIE ET PROCEDE DE FONCTIONNEMENT D'UN MECANISME DE COMMANDE DE REGLAGE

Publication

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Application

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Abstract (en)

[origin: DE4444762A1] The proposal is for a circuit and a process for operating an adjustment drive (10, 11, 12) which detect a characteristic (38, 42) of the adjusting drive (10, 11, 12) as a measure of the adjustment force or torque and prepare an overload signal (41, 45) if a limit is exceeded. According to the invention, the electric power for the electric motor (10) is set at a value making it possible to maintain a predetermined spring rate in a clamping process giving the change in force related to a change in travel. The travel of the part (12) to be adjusted is divided into intervals (I) which are considerably smaller than the total adjustment travel. The process assesses a continuous change in the characteristics detected in a predetermined number of successive intervals (I) to find an overload signal (41, 45). A preferred application of the circuit and process of the invention for operating an adjustment drive (10, 11, 12) is in a motor vehicle.

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