

Title (en)

TECHNIQUE FOR CHARACTERISING AN ELECTROMECHANICAL ACTUATOR UNIT FOR A VEHICLE BRAKE

Title (de)

TECHNIK ZUR CHARAKTERISIERUNG EINER ELEKTROMECHANISCHEN AKTUATOREINHEIT FÜR EINE FAHRZEUGBREMSE

Title (fr)

TECHNIQUE DE CARACTÉRISATION D'UNE UNITÉ D'ACTIONNEMENT ÉLECTROMÉCANIQUE POUR UN FREIN DE VÉHICULE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018046296A1] The invention relates to a method for characterising an electromechanical actuator unit for a vehicle brake, the electromechanical actuator unit comprising an electric motor and an actuator coupled to the electric motor. The actuator can be moved over a first area of movement without generation of a brake force and over a second area of movement with modification of a brake force. The method is carried out when the actuator moves within the first area of movement, and comprises the following steps: a) a voltage (S1) applied to the electric motor is interrupted, b) at least one parameter (S2) is determined while the electric motor runs in the generator mode, and c) at least one value is determined for a motor constant of the electric motor on the basis of the at least one parameter (S3). The invention also relates to a vehicle brake, as well as to a computer program and a control unit for implementing the method.

IPC 8 full level

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