

Title (en)

METHOD AND DEVICE FOR DISPLAYING A SPECIAL BRAKING-READINESS POSITION, IN PARTICULAR FOR AN ELECTRICALLY OPERATED MOTOR-VEHICLE PARKING BRAKE EPB

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DARSTELLUNG EINER BESONDEREN BREMSBEREITSCHAFTSSTELLUNG, INSBESONDERE FÜR EINE ELEKTRISCH BETÄTIGTE KRAFTFAHRZEUGFESTSTELLBREMSE EPB

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT D'AFFICHER UNE POSITION SPÉCIALE DE PRÉPARATION AU FREINAGE, EN PARTICULIER POUR UN FREIN DE STATIONNEMENT DE VÉHICULE À MOTEUR ACTIONNÉ ÉLECTRIQUEMENT (EPB)

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Application

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Abstract (en)

[origin: WO2023011695A1] The present invention relates to a novel method for electronically activating an electromechanical actuator (10, 11) with the aid of an electronic control unit ECU, which is interconnected with sensors, such as in particular a reversible electromotive actuator (10, 11), connected to the electronic control unit ECU, of an electrical wheel brake in a motor vehicle comprising a braking stator, such as in particular a brake caliper, with a transmission actuating device for actuating and holding at least one brake lining in the direction of a braking rotor, specifically in particular a brake disc (10) or a brake drum, and vice versa, comprising means for displaying an unbraked state with a clearance between the brake lining and the braking rotor. In principle, the present invention addresses the problem of efficiently improving the brake actuating characteristics of electrical wheel brakes. The present invention solves the problem in principle by allowing the clearance of a motor-vehicle wheel brake to be set in an electrically defined form, according to requirements, as minimally small as possible while at the same time compensating for wear, by a special clearance-setting process/braking-readiness position being automatically imposed on the motor-vehicle wheel brake by the electronic control unit (ECU) in a software-assisted manner. As a result, improved braking-response characteristics are achieved when the vehicle is being driven, for the purpose of improved dynamic braking/reducing the necessary braking distance.

IPC 8 full level

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