

Title (en)

METHOD AND CONTROL SYSTEM FOR CONTROLLING AN ELECTRONICALLY REGULATED BRAKE ACTUATING SYSTEM

Title (de)

VERFAHREN UND REGELSYSTEM ZUR ANSTEUERUNG EINES ELEKTRONISCH REGELBAREN BREMSBETÄTIGUNGSSYSTEMS

Title (fr)

PROCEDE ET SYSTEME DE REGULATION POUR LA COMMANDE D'UN SYSTEME D'ACTIONNEMENT DE FREINAGE A REGULATION ELECTRONIQUE

Publication

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Application

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Abstract (en)

[origin: WO0226540A1] The invention relates to a method in addition to control systems for controlling an electronically regulated brake actuating system in a vehicle, comprising a depressurised pressure-medium container, and at least one pressure source which can be controlled by an electronic control unit, said pressure source being used to exert pressure on the wheel brakes of the vehicle. Pressure sensors and pressure control valves are associated with the wheel brakes of the vehicle. Said sensors and valves can be controlled in an analog manner by means of an electric variable according to the pressure differential between them and selectively connect the wheel brakes to the pressure source or pressure medium container. In order to adapt the relation between the electric variable and the pressure differential with respect to manufacture spread and the effects of ageing together with changing environmental conditions the electric variable in the pressure control valve to be identified is slowly modified in the pressure maintenance phase, until a noticeable change of pressure occurs in the wheel brake associated with the pressure control valve, whereupon a correction of the relation between the electric variable and the pressure differential is carried out. Alternatively, the frequency of the control processes of the pressure control valve is taken into account.

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