

Title (en)

METHOD FOR PRESSURE BUILD UP CONTROL IN AN ELECTRONIC ADJUSTABLE BRAKING SYSTEM

Title (de)

VERFAHREN ZUR REGELUNG DES DRUCKAUFBAUS IN EINER ELEKTRONISCH REGELBAREN BREMSANLAGE

Title (fr)

PROCEDE DE REGLAGE DE L'ETABLISSEMENT DE PRESSION DANS UN SYSTEME DE FREINAGE A COMMANDE ELECTRONIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005063541A1] The invention relates to a method for pressure build up control in an electronic adjustable braking system, preferably in a motor vehicle, comprising a main brake cylinder, in particular tandem main cylinder (THZ), a vacuum servobrake (booster), at least one other pressure source for assisting a brake force, preferably a hydraulic pump, which is controlled by a control unit and by which a pressure is applied to wheel brakes. The inventive method consists in determining an approximation at a point where a predetermined ratio of an auxiliary force for the vacuum servobrake (booster) operating force (full control point) is not attained, in determining a pressure gradient in the main brake cylinder (THZ pressure gradient) and in actuating the other pressure source assisting the braking force for a known approximation at the full control point of the booster in order to set up an additional brake pressure when the limit value of the pressure gradient exceeds the determined THZ pressure gradient.

IPC 8 full level

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