Title (en)

METHOD FOR ADJUSTING THE PLAY IN A HYDRAULIC BRAKE SYSTEM, IN PARTICULAR FOR A MOTOR VEHICLE

Title (de)

VERFAHREN ZUR LÜFTSPIELEINSTELLUNG EINER HYDRAULISCHEN BREMSANLAGE; INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ D'AJUSTEMENT DU JEU D'UN SYSTÈME DE FREINAGE HYDRAULIQUE, EN PARTICULIER POUR UN VÉHICULE À MOTEUR

Publication

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Application

EP 11720749 A 20110511

Priority

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• EP 2011057602 W 20110511

Abstract (en)

[origin: WO2011141507A1] The invention relates to a method for adjusting the brake play of a hydraulic brake system (1). According to the invention, the following method steps are carried out: a) detecting a first rotational position of a pump part by means of a position sensor associated with the hydraulic pump (3), b) generating a negative pressure, which causes a piston reset, in the pressure chamber of the wheel brake by taking in a volume of the brake medium that is determined by a predefined target rotational angle of a pump part from the pressure chamber via a suction-side hydraulic connection to the pressure chamber in that the predefined target rotational angle of the pump part effects a rotation of the pump part into a second rotational position by controlling the electric motor (4) during stepper motor operation by means of a PWM signal as the controlled variable, wherein the second rotational position is detected by means of the position sensor, and the controlled variable is determined depending on the deviation of the actual rotational angle determined based on the second rotational position from the target rotational angle.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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