

Title (en)  
METHOD FOR OPERATING A BRAKE SYSTEM, BRAKE SYSTEM IN WHICH THE METHOD IS PERFORMED, AND USES OF THE BRAKE SYSTEM

Title (de)  
VERFAHREN ZUM BETREIBEN EINES BREMSSYSTEMS, BREMSSYSTEM WORIN DAS VERFAHREN DURCHGEFÜHRT WIRD UND VERWENDUNGEN DES BREMSSYSTEMS

Title (fr)  
PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE FREINAGE, SYSTÈME DE FREINAGE METTANT EN UVRE CE PROCÉDÉ ET UTILISATIONS DU SYSTÈME DE FREINAGE

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Abstract (en)  
[origin: WO2014135402A1] The invention relates to a method for operating a brake system for motor vehicles, said brake system comprising an electrically controllable pressure-providing device (25), which comprises a cylinder/piston assembly having a hydraulic pressure chamber (18) and having a piston (19) that can be moved by an electromechanical actuator (20, 21), a number of hydraulic wheel brakes (2-a, 2-b; 2-c, 2-d), which are associated with two axles (VA; HA) of the vehicle (1) and can be supplied with braking pressure via the hydraulic pressure chamber (18), and a sensor (10, 13) for detecting the driver braking request. According to the invention, an electric drive (6) having at least one electrical machine, which can also be operated as a generator, is associated with at least one axle (HA) of the vehicle, and, during regeneration braking, in which a generator deceleration is built up by the electric drive (6), the cylinder-piston assembly (18-20) is controlled in such a way that the pressure (202; 303; 402, 403) in the hydraulic pressure chamber (18) is adjusted in accordance with the difference between the requested braking deceleration (201; 301; 401) and the generator deceleration (203; 304; 406) built up by the electric drive (6). The invention further relates to a brake system in which the method is performed and to uses of the brake system.

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