

Title (en)
ELECTRONICALLY SLIP-CONTROLLABLE EXTERNAL POWER BRAKE SYSTEM

Title (de)
ELEKTRONISCH SCHLUPFREGELBARE FREMDKRAFTBREMSANLAGE

Title (fr)
SYSTÈME DE FREINAGE ASSISTÉ À RÉGULATION ANTIPATINAGE ÉLECTRONIQUE

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Application
EP 19817275 A 20191207

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Abstract (en)
[origin: WO2020164775A1] The invention relates to an electronically slip-controllable external power brake system (10) for a motor vehicle. A controllably drivable pressure generator (50) is provided in order to supply multiple brake circuits (16; 18), connected in parallel, with a pressure medium under brake pressure. Furthermore, each of the brake circuits (16; 18) can be separated from the pressure generator (50) by existing first directional valves (60), and the brake circuits have second directional valves (62) connected downstream of the first directional valves (60) in order to control the brake pressure in the wheel brakes (14) connected to the brake circuits (16; 18). An electronic controller (34) is proposed which is designed to control the pressure in the brake circuits (16; 18) and comprises three devices (90, 92, 94), the third device (94) being designed to bring the respective first directional valve (60) of a brake circuit (16; 18) into the through-flow position if a leakage (80) is ascertained downstream of the second directional valve (62) in the brake circuit (16a) by means of the first device (90) and if the second device (92) has ascertained that the pressure generated by the pressure generator (50) has at least approximately reached, or exceeded a threshold pressure (86) of the first directional valve (60).

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