

Title (en)  
METHOD FOR BRAKING A VEHICLE AND BRAKING SYSTEM

Title (de)  
VERFAHREN ZUM BREMSSEN EINES FAHRZEUGS UND BREMSSYSTEM

Title (fr)  
PROCÉDÉ DE FREINAGE D'UN VÉHICULE ET SYSTÈME DE FREINAGE

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Application  
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Abstract (en)  
[origin: WO2022179723A1] The invention relates to a method (M) for braking a vehicle, comprising: sensing (M1) a braking request signal which represents a target deceleration of the vehicle; generating (M21), by means of a first pressure generating device (10), a hydraulic brake pressure in a wheel-brake cylinder (1) based on the sensed braking request signal, which pressure generating device is hydraulically connected to the wheel-brake cylinder (1); detecting (M3) a fault state of the first pressure generating device (10); determining (M4) a replacement braking request signal, if a fault state of the first pressure generating device (10) is detected, wherein the replacement braking request signal is determined based on a target deceleration known at a predetermined time before the detection of the fault state; and generating (M5), by means of a brake pressure control system (120), a replacement brake pressure in the wheel-brake cylinder (1) based on the determined replacement braking request signal, which brake pressure control system has a second pressure generating device (20) which is hydraulically coupled to the wheel-brake cylinder. The invention also relates to a method (M) for braking a vehicle, in which the replacement braking request signal is determined based on a target deceleration, known at a predetermined time before the detection of the fault state, based on a braking torque generated by an electric machine kinematically coupled to a wheel of the vehicle. A further aspect of the invention relates to a braking system (100) for a vehicle.

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