

Title (en)  
METHOD AND CONTROL DEVICE FOR CONTROLLING OPERATION OF A BRAKE SYSTEM OF A MOTOR VEHICLE

Title (de)  
VERFAHREN UND STEUERVORRICHTUNG ZUM STEUERN DES BETRIEBS EINER BREMSANLAGE EINES KRAFTFAHRZEUGS

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE COMMANDE POUR COMMANDER LE FONCTIONNEMENT D'UN SYSTÈME DE FREIN D'UN VÉHICULE À MOTEUR

Publication  
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Application  
**EP 19807499 A 20190515**

Priority

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- SE 2019050437 W 20190515

Abstract (en)  
[origin: WO2019226095A1] The present invention relates to a method (M2) for controlling operation of a brake system of a vehicle. The method comprises determining (140) a maximum braking force (Fmax) for drive wheels of the at least one drive axle by means of a function expressing a dependence between wheel slip and braking force and based upon a chosen target wheel slip (WS); and determining a brake force (F) corresponding to a requested retardation (150) for the vehicle. The method further comprises determining (180) a maximum admissible braking force (Faux) to be exerted by means of the at least one auxiliary brake (A) for braking drive wheels of the at least one drive axle based upon a predetermined (170) vehicle service brake force distribution, the maximum braking force (Fmax) and the brake force (F) corresponding to the requested retardation for the vehicle; and controlling operation of the brake system based upon the maximum admissible braking force (Faux) and the brake force (F) corresponding to the requested retardation for obtaining the requested retardation with a maximum use of the at least one auxiliary brake (A). The present invention also relates to a control device for controlling operation of a brake system of a vehicle. The present invention also relates to a vehicle. The present invention also relates to a computer program and a computer readable medium.

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