

Title (en)
METHOD AND BRAKE SYSTEM FOR THE EMERGENCY STOPPING OF A COMMERCIAL VEHICLE

Title (de)
VERFAHREN UND BREMSSYSTEM ZUM NOTSTOPPEN EINES NUTZFAHRZEUGS

Title (fr)
SYSTÈME DE FREIN ET PROCÉDÉ D'ARRÊT D'URGENCE D'UN VÉHICULE UTILITAIRE

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Application
EP 22702960 A 20220201

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Abstract (en)
[origin: WO2022171480A1] The invention relates to a method for the emergency stopping of a commercial vehicle (1), preferably an autonomous commercial vehicle (2), wherein the commercial vehicle (1) has a pneumatic brake system (4) with a primary service-brake system (10) and a parking-brake system (14), wherein the primary service-brake system (10) has a primary electronic service-brake control unit (14) for controlling the primary service-brake system (10) and service-brake actuators (16a, 16b, 16c, 16d), and the parking-brake system (12) has an electronic parking-brake control unit (18) for controlling the parking-brake system (12) and parking-brake actuators on at least one vehicle axle (HA). The pneumatic brake system (4) is designed to receive an emergency stopping signal (SN). The method comprises the steps of: receiving the emergency-stopping signal at the primary electronic service-brake control unit (14); braking the commercial vehicle (1) by means of the primary service-brake system (10); determining a commercial-vehicle speed (VF) and, if this speed is below a predetermined speed-threshold value and/or after a predetermined emergency-stopping time: actuating the parking-brake actuators (42a, 42b) by means of the parking-brake system (12).

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