

Title (en)

METHOD FOR AUTOMATICALLY CONTROLLING A DRIVEN AXLE OF A MOTOR VEHICLE, AND MOTOR VEHICLE

Title (de)

VERFAHREN ZUR REGELUNG EINER ANGETRIEBENEN ACHSE EINES KRAFTFAHRZEUGS UND KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ DE RÉGULATION D'UN ESSIEU MOTEUR D'UN VÉHICULE AUTOMOBILE ET VÉHICULE AUTOMOBILE

Publication

EP 4072889 A1 20221019 (DE)

Application

EP 19831600 A 20191211

Priority

EP 2019084569 W 20191211

Abstract (en)

[origin: WO2021115580A1] A method for automatically controlling at least one driven axle (1) of a motor vehicle (2), said motor vehicle (2) having: at least one axle (1) comprising at least one wheel (3); at least one drive unit (4) for providing a drive torque (5) for the at least one axle (1) and for the at least one wheel (3); and a control device (6) for automatically controlling the drive unit (4), said method being carried out during operation of the motor vehicle (2), and comprising at least the following steps: a) determining a first actual speed (7) of the motor vehicle (2); b) determining a second actual speed (8) of the at least one wheel (3); c) calculating a target speed (9) of the at least one wheel (3) for the determined first actual speed (7), with parameters being taken into consideration; d) determining an actual slip (10) of the at least one wheel (3) relative to the ground on which the motor vehicle (2) is moving; wherein if the actual slip (10) exceeds a defined first limit slip (11), according to step e) the control device (6) generates a limit torque (11), by which the drive torque (5) produced by the drive unit (4) is adjusted.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021115580A1

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