

Title (en)

METHOD FOR CONTROLLING THE RECUPERATION TORQUE OF AN ELECTRIC MACHINE OF A VEHICLE IN AN OPEN-LOOP OR CLOSED-LOOP MANNER IN ACCORDANCE WITH NEED, SAID ELECTRIC MACHINE OPERATING IN GENERATOR MODE

Title (de)

VERFAHREN ZUR BEDARFSGERECHTEN STEUERUNG BZW. REGELUNG DES REKUPERATIONSMOMENTS EINER IM GENERATORBETRIEB ARBEITENDEN ELEKTRISCHEN MASCHINE EINES FAHRZEUGS

Title (fr)

PROCÉDÉ PERMETTANT LA COMMANDE OU LA RÉGULATION EN FONCTION DES BESOINS DU COUPLE DE RÉCUPÉRATION D'UN MOTEUR ÉLECTRIQUE, FONCTIONNANT EN MODE GÉNÉRATEUR, D'UN VÉHICULE

Publication

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Application

EP 14725691 A 20140521

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Abstract (en)

[origin: WO2014202317A1] The invention relates to a method for controlling the recuperation torque, which is produced by an electric machine of a vehicle operating in generator mode in the overrun operation mode of the vehicle, in an open-loop or closed-loop manner in accordance with need, comprising the following steps: - detecting, on the basis of a specified algorithm, an imminent situation in which the speed of a vehicle should be reduced to a speed lower than the current speed, - outputting a recommendation directed at the driver to release the accelerator when the expected occurrence of such a situation has been detected, and, - if the driver has released the accelerator, - controlling the recuperation torque in an open-loop or closed-loop manner in such a way that the vehicle achieves the lower speed without actuation of the service brake when the situation occurs, or, if this cannot be achieved solely via the recuperation torque, - maximising the vehicle deceleration that can be produced by means of recuperation.

IPC 8 full level

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