

Title (en)

METHOD FOR CONTROLLING A DRIVE-OFF PROCESS FOR AN ELECTRICALLY DRIVEN VEHICLE

Title (de)

VERFAHREN ZUM STEUERN EINES ANFAHRVORGANGS EINES ELEKTRISCH ANGETRIEBENEN FAHRZEUGS

Title (fr)

PROCÉDÉ DE COMMANDE D'UN PROCESSUS DE DÉMARRAGE POUR UN VEHICULE ELECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2015043882A1] The invention relates to a method for controlling a drive-off process of an electrically driven vehicle, the electric motor of which is fed via a converter, wherein a holding torque necessary to prevent the vehicle from rolling back is determined. By using sensors for determining carriage masses and sensors for determining route inclinations, the holding torque can be precisely determined. In order to achieve a drive-off process of the electrically driven vehicle that is gentle on the electric motor, according to the invention, as long as a determined rotational motor speed (n) is less than a specified limit rotational speed (n1), a traction torque (MT) is limited by a control unit of the vehicle to a limit torque (MG) dependent on the holding torque (MF), and the traction torque (MT) is increased beyond the limit torque (MG) by the control unit only once the rotational motor speed (n) is greater than the limit rotational speed (n1).

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Citation (search report)

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