Title (en)

METHOD FOR OPERATING A DRIVE TRAIN OF A VEHICLE DURING TRAILING THROTTLE OPERATION

Title (de)

VERFAHREN ZUM BETREIBEN EINES ANTRIEBSSTRANGES EINES FAHRZEUGS WÄHREND EINES SCHUBBETRIEBES

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UNE CHAÎNE CINÉMATIQUE D'UN VÉHICULE SE TROUVANT EN RÉGIME DE DÉCÉLÉRATION

Publication

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Application

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Abstract (en)

[origin: WO2008098801A1] The invention relates to a method for operating a drive train (1) of a vehicle during trailing throttle operation using an internal combustion engine (2), an electric machine (3) and a transmission device (4). The electric machine (3) is disposed in the power flux between the internal combustion engine (2) and the transmission device (4). A shifting element (8) with continuously variable transmission capability is provided between the electric machine (3) and an output (5). A target output torque to be applied to the output (5) is dependent on a transmission capability of the shifting element (8). The transmission capability of the shifting element (8) is adjusted in a controlled manner as a function of the necessary target output torque such that the shifting element (8) has a transmission capability as is necessary for obtaining the target output torque at the output (5). A rotational speed of the electric machine (3) is adjusted in a controller manner during a shut-off process of the internal combustion engine (2) in order to maintain the shifting element (8) in a slipping operation at least during the shut-off process of the internal combustion engine (2) and guide the rotational speed of the internal combustion engine (2) to zero by means of the electric machine (3).

IPC 8 full level

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