

Title (en)  
METHOD FOR CONTROLLING AN ELECTRIC POWER TRAIN OPTIMISING THE LOW SPEED USE PHASE

Title (de)  
VERFAHREN ZUR STEUERUNG EINES ELEKTROANTRIEBS ZUR OPTIMIERUNG DER NIEDRIGGESCHWINDIGKEITS-  
VERWENDUNGSPHASE

Title (fr)  
PROCEDE DE COMMANDE D'UN GROUPE MOTOPROPULSEUR ELECTRIQUE OPTIMISANT LA PHASE D'UTILISATION A FAIBLE VITESSE

Publication  
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Application  
**EP 14750535 A 20140624**

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Abstract (en)  
[origin: WO2015001223A1] The invention concerns a method for controlling an electric power train (10) of a motor vehicle, comprising an electric engine (11) controlled by a power electronics circuit (15) according to a torque value, which involves imposing a reduction in the torque value in the event of the thermal limits of the power electronics circuit being exceeded. The invention involves defining first torque and engine speed thresholds delimiting an operating range at high torque and low speed respectively, in which the power electronics system (15) is likely to heat up, causing said thermal limits to be exceeded; detecting when said operating range is entered; activating a gradual reduction in said torque value in a linear manner, after detecting that an estimation of the temperature of said power electronics circuit is approaching said thermal limits.

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