

Title (en)

METHOD AND SYSTEM FOR COUPLING AN ELECTRICAL MACHINE TO THE RUNNING GEAR OF A VEHICLE, NOTABLY A HYBRID AUTOMOTIVE VEHICLE

Title (de)

VERFAHREN UND SYSTEM ZUR KOPPLUNG EINER ELEKTRISCHEN MASCHINE AN DAS FAHRGESTELL EINES FAHRZEUGES, IM BESONDEREN EINES HYBRIDAUTOS

Title (fr)

PROCEDE ET SYSTEME D'ACCOUPLEMENT D'UNE MACHINE ELECTRIQUE SUR UN TRAIN ROULANT DE VEHICULE, NOTAMMENT D'UN VEHICULE AUTOMOBILE HYBRIDE

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Application

EP 10798161 A 20101103

Priority

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Abstract (en)

[origin: WO2011058264A1] In order to couple an electrical machine to the driving wheels of a vehicle when the vehicle is at a standstill, the method comprises two stages (54, 55) which are activated in parallel at the instigation of a coupling request: - a stage (54) of translationally bringing two clutch dogs closer together along a common axis of rotation, an upstream dog rotating as one with the electrical machine and a downstream dog rotating as one with the driving wheels; and a stage (55) of slaving the torque of the electrical machine to a set dog-coupling torque which starts at a zero value at the moment of the coupling request and which progressively increases, remaining below an electrical machine start-up value for long enough for the two clutch dogs to be brought translationally closer together into a position which the tops of the teeth of the two clutch dogs are coplanar, and exceeding said start-up value after said sufficient duration has elapsed.

IPC 8 full level

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See references of WO 2011058264A1

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