

Title (en)  
HYBRID DRIVE OF A MOTOR VEHICLE AND METHOD FOR CONTROLLING SAME

Title (de)  
HYBRIDANTRIEB EINES KRAFTFAHRZEUGS UND VERFAHREN ZU DESSEN STEUERUNG

Title (fr)  
ENTRAÎNEMENT HYBRIDE D'UN VÉHICULE AUTOMOBILE ET PROCÉDÉ POUR SA COMMANDE

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Application  
**EP 14734462 A 20140630**

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Abstract (en)  
[origin: WO2015014555A1] The invention relates to a hybrid drive (1.1 - 1.10) of a motor vehicle, which hybrid drive comprises: an internal combustion engine (VM) having a drive shaft (2); an electrical machine (EM), which can be operated as a motor and as a generator and which has a rotor (3); an automated manual transmission (4.1 - 4.6), which has a countershaft design and comprises an input shaft (GE) and at least one output shaft (GA; GA1, GA2); and a superposition transmission (5.1, 5.2), which has a planetary design and comprises two input elements (6, 7) and an output element (8). For said hybrid drive, it is provided that the superposition transmission is arranged coaxially over a free end (9, 9') of the output shaft (GA; GA2), that the first input element (6) of the superposition transmission is connected in a rotationally fixed manner to a hollow shaft (10) arranged coaxially over the output shaft, which hollow shaft can be connected in a rotationally fixed manner to an idler gear (11, 12) of the immediately axially adjacent spur gear stage (Z2, Z3) of the manual transmission by means of a coupling shift element (K) in order to couple the internal combustion engine (VM) and can be connected in a rotationally fixed manner to the second input element (7) or the output element (8) of the superposition transmission by means of a bridging shift element (L, L') in order to bridge the superposition transmission, that the second input element (7) of the superposition transmission has a permanent drive connection to the rotor (3) of the electric machine (EM), and that the output element (8) of the superposition transmission is connected in a rotationally fixed manner to the superposition transmission.

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