

Title (en)
HYBRID DRIVE TRAIN FOR A HYBRID-DRIVE MOTOR VEHICLE

Title (de)
HYBRIDANTRIEBSSTRANG FÜR EIN HYBRIDGETRIEBENES KRAFTFAHRZEUG

Title (fr)
GROUPE MOTOPROPULSEUR HYBRIDE D'UN VÉHICULE AUTOMOBILE À PROPULSION HYBRIDE

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Application
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Abstract (en)
[origin: WO2018077911A1] The invention relates to a hybrid drive train for a hybrid-drive vehicle, having a double clutch transmission (1), which can be shifted into different translation levels by means of shifting elements, and which has spur gear sets, which can be shifted by the shifting elements and which form wheel planes (E2, V3, E1, V4), each of which are allocated to a first sub-transmission (T1) and a second sub-transmission (T2), of which each sub-transmission (T1, T2) has one input shaft (37, 43) each, and the two sub-transmissions (T1, T2) have a common output shaft (17), wherein the two input shafts (37, 43) are arranged coaxially to each other and can each be connected by a power-shiftable clutch (LK1, LK2) alternating with an internal combustion engine shaft (3) of an internal combustion engine (7), and wherein an electric machine (11) can be connected on the double clutch transmission (1) by means of shifting elements (K1, K2, SE-E, SE-D). According to the invention, one of the wheel planes (E1, V4) of the first sub-transmission (T1) is designed as a first hybrid wheel plane (E1) and one of the wheel planes (E2, V3) of the second sub-transmission (T2) is designed as a second hybrid wheel plane (E2). The first and second hybrid wheel planes (E1, E2) can additionally each be drivingly connected to an electric machine shaft (9) of the electric machine (11) by means of the shifting elements (K1, K2, SE-E, SE-D).

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