

Title (en)

HYBRID DRIVE TRAIN FOR A HYBRID-DRIVEN MOTOR VEHICLE

Title (de)

HYBRIDANTRIEBSSTRANG FÜR EIN HYBRIDGETRIEBENES KRAFTFAHRZEUG

Title (fr)

GROUPE MOTOPROPULSEUR HYBRIDE D'UN VÉHICULE AUTOMOBILE À PROPULSION HYBRIDE

Publication

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Application

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Abstract (en)

[origin: WO2018077905A1] The invention relates to a hybrid drive train for a hybrid-driven vehicle, comprising a transmission (1), particularly a manual transmission, which can be shifted into different transmission stages by means of shifting elements and which can be drivingly connected to an internal combustion engine (7) via an internal combustion engine shaft (3), to an electric machine (11) via an electric machine shaft (9), and to at least one vehicle axle (VA) via an output shaft (13). The internal combustion engine shaft (3) and a take-off shaft (17), which is drivingly connected to the output shaft (13), can be connected together via spur gear sets which can be shifted by means of the shifting elements, each spur gear set forming a gear plane (V1 to V4, E1, E2), from which at least one hybrid gear plane (E1, E2) can additionally be connected to the electric machine shaft (9). According to the invention, the hybrid gear plane (E1, E2) is part of a sub-transmission (T) which has shifting elements (SE-A, SE-B, SE-C), by means of which the sub-transmission (T) can be decoupled from the drive train or can be coupled thereto during operation of the transmission.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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