

Title (en)

HYBRID CLUTCH MODULE AND DRIVETRAIN FOR A VEHICLE HAVING THE HYBRID CLUTCH MODULE

Title (de)

HYBRIDKUPPLUNGSMODUL SOWIE ANTRIEBSSTRANG FÜR EIN FAHRZEUG MIT DEM HYBRIDKUPPLUNGSMODUL

Title (fr)

MODULE HYBRIDE À EMBRAYAGE ET CHAÎNE CINÉMATIQUE CONÇUE POUR UN VÉHICULE COMPRENANT UN MODULE HYBRIDE À EMBRAYAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020249155A1] Dedicated hybrid transmissions, or DHT for short, represent a new type of hybrid transmission. This transmission type is characterized by reverse travel by means of the electric machine, as a result of which the mechanical reversing gear is omitted. The problem addressed by the present invention is that of proposing a hybrid clutch module for coupling an internal combustion engine and an electric motor to a transmission, which saves on installation space and is simultaneously functional. A hybrid clutch module (1) is proposed having: an input interface (2) for coupling an internal combustion engine (3); a clutch input shaft (8); an electric motor (9), wherein the electric motor (9) has a rotor (11), wherein the rotor (11) forms a rotor interior chamber (12); a clutch device (13), wherein the clutch device (13) is arranged in the rotor interior chamber (12); and a first and a second clutch output shaft (16, 17), the clutch input shaft (8) being operatively connected via the clutch device (13) to the first clutch output shaft (16), and the rotor (11) being operatively connected to the second clutch output shaft (17).

IPC 8 full level

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CPC (source: CN EP)

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