Title (en)

MOTOR-DRIVEN HUB FOR ELECTRICALLY DRIVING AN AXLE OF A HYBRID-DRIVE MOTOR VEHICLE

Title (de)

MOTORBETRIEBENE NABE ZUR ELEKTRISCHEN ANSTEUERUNG EINER ACHSE EINES KRAFTFAHRZEUGS MIT HYBRIDANTRIEB

Title (fr)

MOYEU MOTORISÉ POUR LA MOTORISATION ÉLECTRIQUE D'UN ESSIEU D'UN VÉHICULE AUTOMOBILE À TRACTION HYBRIDE

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Application

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Abstract (en)

[origin: WO2013092300A1] The invention relates to a motor-driven hub for electrically driving an axle of a hybrid-drive motor vehicle, said motor-driven hub including a hub (1) rotatably mounted, relative to a hub holder (2), about a hub axis (A), the motor-driven hub including an electric drive machine (4) including an internal rotor, the rotational axis (R) of which is spaced apart from the hub axis (A), the motor-driven hub including a reduction means and a coupling/uncoupling means capable of assuming a coupling position ,in which the rotation of the electric machine (4) is coupled with the rotation of the hub (1), and an uncoupling position, the reduction means including at least two reduction stages including an intermediate shaft (5) provided with a toothed wheel (6) for meshing with the rotor and a reduction pinion (7) for meshing with the hub (1), the toothed wheel (6) being mounted so as to be rotatable about the intermediate shaft (5), and the coupling/uncoupling means being arranged between said toothed wheel and said intermediate shaft.

IPC 8 full level

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