

Title (en)

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

Title (de)

MOTORGETRIEBENE 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

Publication

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Application

**EP 12798324 A 20121211**

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Abstract (en)

[origin: WO2013092301A1] 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, with respect to a hub holder (2), about a hub axis (A), the motor-driven hub including an electric drive machine (4) including an external stator connected to the hub holder (2) and 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 coupling/decoupling means including a mechanism (10) having a sliding gear, said mechanism including rolling bodies (11) which are arranged in a track (12) of the sliding gear (10), said track being arranged, by a movement of the sliding gear (10) in the coupling position, so as to rotatably link the hub (1) and the reduction means via said rolling bodies.

IPC 8 full level

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