

Title (en)
DEVICE FOR VARYING THE SPEED OF A POWER TRAIN, SPECIFICALLY FOR DRIVING A MOTOR VEHICLE, IN PARTICULAR OF THE HYBRID TYPE

Title (de)
VORRICHTUNG ZUR VERÄNDERUNG DER GESCHWINDIGKEIT EINES ANTRIEBSSTRANG, SPEZIELL ZUM ANTRIEB EINES KRAFTFAHRZEUGS, INSBESONDERE DES HYBRIDTYP

Title (fr)
DISPOSITIF DE VARIATION DE VITESSE D'UN GROUPE MOTOPROPULSEUR PLUS PARTICULIÈREMENT POUR L'ENTRAÎNEMENT D'UN VÉHICULE AUTOMOBILE EN PARTICULIER DE TYPE HYBRIDE

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Abstract (en)
[origin: WO2015169646A1] The present invention relates to a device (10) for varying the speed of a power train of a motor vehicle, in particular of the hybrid type, comprising a drive motor/generator motor (22) and an internal combustion engine (12). The speed variation device comprises: an engine planetary gearset (26) having a sun gear (36) and a ring gear (46), each connected to the shaft of the internal combustion engine by means of a controlled coupling (28, 30) and to the housing (44) of said speed variation device by means of a unidirectional coupling (32, 34), and a motor planetary gearset (58) which is coaxial with the engine planetary gearset (26) and connects this engine planetary gearset to the drive axle (16) via a motion transmission path (78) comprising a wheel (74) supported on the planet carrier (60) and a wheel (76) supported on said drive axle. According to the invention, the motion transmission path (78) comprises a closed band (82) interconnecting the wheels to ensure the transmission of motion in the same direction of rotation between said wheels.

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