

Title (en)
METHOD FOR CONTROLLING A VARIABLE-SPEED TRANSMISSION DEVICE WITH EPICYCLIC GEAR TRAINS OF A POWER TRAIN, IN PARTICULAR FOR A HYBRID VEHICLE

Title (de)
VERFAHREN ZUR STEUERUNG EINER VORRICHTUNG MIT VARIABLER GESCHWINDIGKEITSÜBERTRAGUNG MIT PLANETENRADGETRIEBEN EINES ANTRIEBSSTRANGS, INSBESONDERE FÜR EIN HYBRIDFAHRZEUG

Title (fr)
PROCÉDÉ DE COMMANDE D'UN DISPOSITIF DE TRANSMISSION À VARIATION DE VITESSE À TRAINS ÉPICYCLOÏDAUX D'UN GROUPE MOTOPROPULSEUR, EN PARTICULIER POUR VÉHICULE HYBRIDE

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Abstract (en)
[origin: WO2016120066A1] The present invention relates to a method for controlling a variable-speed transmission device of a power train, in particular for a hybrid vehicle, comprising a driving/driven machine (20), a heat engine (10), a speed-varying device (14) including an engine epicyclic gear train (24) with a planet gear (34) and a ring gear (46) each connected to the shaft (12) of the engine by a coupling with controlled operation (26, 28) and to a stationary portion (44) of the power train by a one-way automatic coupling (30, 32) and a planet carrier (52), and a machine epicyclic gear train (68) placed on a shaft (70) substantially parallel to the motor shaft (12) and connecting the engine epicyclic gear train (24) to a path (94, 96) for transmitting motion to a powered axle (16), said gear train comprising a planet gear (72), a ring gear (86) and a planet carrier (78). According to the invention, the method consists of blocking the planet gear (72) and the ring gear (86) of the machine epicyclic gear train (68) in order to ensure the movement of the vehicle by the machine (20) alone or in combination with the engine (10).

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