

Title (en)

METHOD FOR OPERATING AN ELECTRIC VEHICLE POWERTRAIN WITH A CONTINUOUSLY VARIABLE TRANSMISSION

Title (de)

VERFAHREN ZUM BETREIBEN EINES ANTRIEBSSTRANGS EINES ELEKTRISCHEN FAHRZEUGS MIT EINEM STUFENLOSEN GETRIEBE

Title (fr)

PROCÉDÉ D'ACTIONNEMENT D'UN GROUPE MOTOPROPULSEUR DE VÉHICULE ÉLECTRIQUE COMPRENANT UNE TRANSMISSION À VARIATION CONTINUE

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Application

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Priority

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Abstract (en)

[origin: WO2020177931A1] The invention relates to a hydraulically actuated continuously variable transmission (9) for or in a hybrid or a pure electric vehicle, comprising a primary hydraulically adjustable pulley (93) with a primary hydraulic cylinder (202), a secondary hydraulically adjustable pulley (94) with a secondary hydraulic cylinder (203), a flexible drive element (95) that is wrapped around and in friction contact with those pulleys (93, 94) and an electro-hydraulic control system for controlling a hydraulic pressure in at least said hydraulic cylinders (202, 203). According to the invention, the transmission is provided with two electrically driven pumps (201, 205), whereof a first pump (201) is capable of supplying hydraulic fluid to at least one of the said hydraulic cylinders (202, 203) via a first hydraulic line (204) and whereof a second pump (205) is capable of supplying hydraulic fluid to the said friction contact (216) between the flexible drive element (95) and the pulleys (93, 94) via a second hydraulic line (206).

IPC 8 full level

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