

Title (en)
ELECTRIC FLUID PUMP FOR A MOTOR VEHICLE

Title (de)
ELEKTRISCHE FLUIDPUMPE FÜR EIN KRAFTFAHRZEUG

Title (fr)
POMPE À FLUIDE ÉLECTRIQUE POUR UN VÉHICULE AUTOMOBILE

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Abstract (en)
[origin: WO2017220119A1] The invention relates to an electric fluid pump for a motor vehicle, comprising a housing composite (4), which defines at least a pump space (6) and a motor space (8), wherein the pump space (6) has a pump rotor space (10) for a pump unit (7) having a pump rotor (12) and wherein a drive motor (24) having a motor stator (28) having a motor coil assembly and a motor rotor is provided in the motor space (8), wherein the pump space (6) and the motor space (8) have a common end wall (18), wherein the motor rotor (34) is connected to a rotor shaft (32) for conjoint rotation, which rotor shaft is fed through the common end wall (18) and on which rotor shaft the pump rotor (12) is arranged for conjoint rotation, and wherein a motor controller (26) is provided for controlling the drive motor (24), wherein the common end wall (18) is designed as a mounting wall part, on which at least the motor controller (26) is arranged in a thermally conductive manner, wherein the drive motor (24) is an asymmetrically permanently excited drive motor, wherein the motor coil assembly (30) arranged on the motor stator (28) is provided on a side which, in relation to the rotor shaft (32), is opposite the motor controller (26).

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