

Title (en)  
ELECTRIC FLUID PUMP FOR A MOTOR VEHICLE

Title (de)  
ELEKTRISCHE KFZ-FLUIDPUMPE

Title (fr)  
POMPE À FLUIDE ÉLECTRIQUE DE VÉHICULE AUTOMOBILE

Publication  
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Application  
**EP 17788241 A 20171025**

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EP 2017077309 W 20171025

Abstract (en)  
[origin: WO2019081011A1] The invention relates to an electric fluid pump for a motor vehicle, having an electric drive motor (12), which is brushless and electronically commutated, wherein the drive motor (12) has a permanent-magnet motor rotor (30) having a motor shaft (32) and having at least two rotor poles (361), (363), in each of which a permanent magnet (361, 367) is embedded, a plurality of stator-side magnetic coils (40), at least two sensor magnets (361,363), at least one Hall sensor (60), which is arranged to lie eccentrically in a transverse plane in such a way that the Hall sensor detects the axial magnetic fields of the sensor magnets (361,363), wherein the at least two sensor magnets (361,363) are magnetised diametrically, wherein the at least one Hall sensor (60) is arranged in such a way that during one rotor revolution of each sensor magnet (361,363), both polarities can be detected.

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