

Title (en)

COMBINATION FUEL PUMP MOTOR ASSEMBLY WITH INTEGRAL FILTER HOUSING

Title (de)

KOMBINATIONSKRAFTSTOFFPUMPENMOTORANORDNUNG MIT INTEGRIERTEM FILTERGEHÄUSE

Title (fr)

ENSEMBLE MOTEUR DE POMPE A CARBURANT COMBINE COMPRENANT UN BOITIER DE FILTRE INTEGRE

Publication

EP 1886013 A1 20080213 (EN)

Application

EP 06740283 A 20060403

Priority

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- US 68371305 P 20050523
- US 36196506 A 20060227

Abstract (en)

[origin: WO2006127137A1] A fuel pump motor system (10) for providing fuel to an engine includes a pump motor assembly (12) having a rotor (16) for generating a rotor magnetic field; a shaft (21) mounted with respect to the rotor such that rotation of the rotor rotates the shaft, an impeller (20) mounted to the shaft, and a stator (18) for generating a stator magnetic field. The stator is associated with the rotor such that interaction of the rotor magnetic field and the stator magnetic field causes the rotor and thus the shaft and impeller to rotate thereby moving fuel from an inlet (24) to an outlet (26) of the pump motor assembly. A filter structure (14) is integral with the pump motor assembly and shares a substantially sealed, non-porous barrier (25) therewith. The filter structure includes filtration media (28) constructed and arranged to filter fuel received from the outlet of the pump motor assembly prior to delivery to an engine.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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