

Title (en)

FUEL PUMP FOR DELIVERING FUEL FROM A RESERVOIR TO AN INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFPUMPE ZUM FÖRDERN VON KRAFTSTOFF AUS EINEM VORRATSBEHÄLTER ZU EINER BRENNKRAFTMASCHINE

Title (fr)

POMPE À CARBURANT DESTINÉE À TRANSPORTER DU CARBURANT D'UN RÉSERVOIR VERS UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009043765A1] The invention relates to a fuel pump (1) for delivering fuel from a reservoir to an internal combustion engine. Said pump comprises a casing, at least one impeller (6, 26) arranged in the casing, said impeller comprising at least one ring of interspaced vanes (10, 31). The pump further comprises an electric motor that drives the impeller via a shaft and that is configured as an axial field motor and that has a rotor and a stator. The rotor of said electric motor has permanent magnets and the coil formers carrying windings that are opposite the permanent magnets are stationarily arranged in the stator at a distance to the rotor axis and at even angular distances. The coil formers are arranged in parallel to the shaft of the electric motor with respect to their longitudinal orientation.

IPC 8 full level

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Citation (search report)

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