

Title (en)

DRIVING MOTOR, ESPECIALLY FOR A PUMP

Title (de)

ANTRIEBSMOTOR, INSBESONDERE FÜR EINE PUMPE

Title (fr)

MOTEUR DE COMMANDE, NOTAMMENT D'UNE POMPE

Publication

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Application

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Abstract (en)

[origin: WO03095842A1] The invention relates to a driving motor (12), especially for a pump (10), said motor comprising a rotor (16) having a drive shaft (20) and a stator (14) which is enclosed by a stator housing (26) which, in turn, is surrounded by an outer housing (36). An intermediate chamber (38) is created between the stator housing (26) and the outer housing (36), said chamber being hermetically sealed and filled with a coolant (42). Said coolant (42) is forcibly displaced by means of a coolant impeller (48). To this end, the coolant impeller (48) is coupled to the drive shaft (20) of the electric driving motor (12) by means of a permanent magnet coupling (52) which is embodied as a synchronous coupling, a hysteresis coupling or an eddy current coupling.

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