

Title (en)
SYNCHRONOUS RELUCTANCE MOTOR AND UNDERWATER PUMP

Title (de)
SYNCHRON-RELUKTANZMOTOR UND UNTERWASSERPUMPE

Title (fr)
MOTEUR SYNCHRONE À RÉLUCTANCE ET POMPE IMMERGÉE

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Application
EP 13715657 A 20130403

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Abstract (en)
[origin: CA2869344A1] The invention relates to a metering pump (1) made of plastic, with two rotors (10) coupled to one another via gears (11) and drivable in opposite directions, which are seated in a pump housing (5) equipped with suction ports (6) and outlet ports (7), wherein each rotor (10) has a rotor shaft (12), the rotor shaft ends (15) of which are seated in the walls (8, 4) of the pump housing (5). Each rotor (10) has two rotor blade walls (13) arranged diametrically on the rotor shaft (12), a partially cylindrical rotor blade shoe (14) being formed at each of the peripheral ends of said rotor blade walls, wherein the rotor blade shoes (14) on the one hand contact the cylindrical inside wall regions of the pump housing (5) and on the other contact the rotor blade shafts (13) of the adjacent rotor (10) in a sliding and sealing manner.

IPC 8 full level
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F04D 13/08 (2013.01 - US); **H02K 1/02** (2013.01 - CN); **H02K 1/06** (2013.01 - CN); **H02K 1/22** (2013.01 - CN); **H02K 3/42** (2013.01 - CN); **H02K 5/12** (2013.01 - EP US); **H02K 5/132** (2013.01 - EP US); **H02K 5/1677** (2013.01 - EP US); **H02K 7/09** (2013.01 - EP US); **H02K 2201/03** (2013.01 - CN EP US); **H02K 2213/03** (2013.01 - EP US)

Citation (search report)
See references of WO 2013150061A2

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