

Title (en)
PUMP DEVICE COMPRISING A MOTOR PORTION AND A PUMP PORTION WITH A HOUSING

Title (de)
PUMPVORRICHTUNG

Title (fr)
DISPOSITIF DE POMPAGE

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Abstract (en)
One exemplary embodiment of the present disclosure is a pump device (10, 110, 210, 310) comprising a motor portion (20), a pump portion (30, 130, 230, 330) and a housing (12). The pump portion (30, 130, 230, 330) has an inner rotor (61), an outer rotor (62), a pump body (31, 131, 231, 331) and a pump cover (32). The pump body (31, 131, 231, 331) has a pump chamber (33) which is recessed from a surface on one axial side toward the other axial side and accommodates the inner rotor (61) and the outer rotor (62), and a through-hole (31a) which axially penetrates through the pump body (31, 131, 231, 331) and through which a shaft (41) passes. The pump cover (32) has an inlet (32a) and an outlet (32b) which are in communication with the pump chamber (33). The housing (12) has a tube portion (14) which covers at least a radially outer side of a stator (50) and a flange portion (15) which extends radially outward from an end portion on the other axial side of the tube portion (14). The pump body (31, 131, 231, 331) has an exposure portion (34, 134, 234, 334) which is disposed on one axial side from the tube portion (14) and exposed outside the housing (12). The exposure portion (34, 134, 234, 334) has an outer circumferential surface (34a, 134a, 234a, 334a) which surrounds a radially outer side of a center axis (J).

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Citation (applicant)
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