

Title (en)

CANNED MOTOR PUMP AND METHOD FOR MANUFACTURING SUCH A MOTOR PUMP

Title (de)

SPALTROHRMOTORPUMPE UND VERFAHREN ZUR HERSTELLUNG SOLCH EINER MOTORPUMPE

Title (fr)

MOTOPOMPE A ROTOR NOYE, ET PROCEDE DE FABRICATION D'UNE TELLE MOTOPOMPE

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Application

EP 17787509 A 20171005

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Abstract (en)

[origin: WO2018073508A1] The invention relates to a canned motor pump (P1) comprising: a housing (10) including a body (11) and a motor casing (12); an electric motor (20) including a stator (30) and a rotor (40) arranged in the motor casing (12); a shaft (50), extending along a central axis (X1), secured with the rotor (40) to rotate therewith about the central axis (X1), and having a front end (52) located outside the motor casing (12), in the body (11) of the housing (10); and a wheel (60) located at the front end (52) of the shaft (50), secured with the shaft (50) to rotate therewith about the central axis (X1) and having a hydraulic profile suitable for moving a fluid (F) in the body (11). The rotor (40), the shaft (50) and the wheel (60) form a rotary assembly (ER1). Within the rotary assembly (ER1), only the shaft (50) is supported by one or more bearings (80), thereby rotatably guiding the rotary assembly (ER1). The motor pump (P1) is characterised in that the shaft (50) and the wheel (60) form, at least partially, a single-piece part (70). A method for manufacturing such a motor pump (P1) is also described.

IPC 8 full level

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