

Title (en)

Wet rotor submersible motor for driving a centrifugal pump

Title (de)

Nasslaufender Tauchmotor zum Antreiben einer Kreiselpumpe

Title (fr)

Moteur submersible à rotor immergé pour entraîner une pompe centrifuge

Publication

EP 0855516 B1 20030625 (DE)

Application

EP 98100960 A 19980121

Priority

DE 19702723 A 19970127

Abstract (en)

[origin: EP0855516A1] The motor (1) has a shaft (6) carrying a seal unit (12) and a rotor (5). The pump-sided hollow shaft end contains a functional unit (22), which is fluid-permeable at least in pump direction. The rotor chamber (13) of the motor is automatically filled with fluid via the seal unit. When the motor is working, the functional unit permits fluid to flow from the rotor chamber to the pump, for ventilation of the rotor chamber and reduction of excess pressure in the rotor chamber relative to the fluid pressure in the pump area. The functional unit consists of a valve (23), fitted into the shaft end, with spring-loaded valve body.

IPC 1-7

F04D 13/06

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2091133A1; DE102010026132A1; GB2442417A; GB2442417B; WO2007022125A1

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