

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

**F04D 13/06** (2006.01)

CPC (source: EP US)

**F04D 13/062** (2013.01 - EP US)

Cited by

EP2091133A1; DE102010026132A1; GB2442417A; GB2442417B; WO2007022125A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0855516 A1 19980729; EP 0855516 B1 20030625**; DE 19702723 A1 19980806; DE 59808774 D1 20030731; US 6140725 A 20001031

DOCDB simple family (application)

**EP 98100960 A 19980121**; DE 19702723 A 19970127; DE 59808774 T 19980121; US 1396798 A 19980127