

Title (en)

Pump with a magnetic coupling

Title (de)

PUMPE MIT EINER MAGNETKUPPLUNG

Title (fr)

Pompe dotée d un embrayage magnétique

Publication

**EP 2322803 B1 20200506 (DE)**

Application

**EP 10190314 A 20101108**

Priority

DE 102009052856 A 20091111

Abstract (en)

[origin: DE102009052856B3] The pump (13) has a magnetic clutch provided with a rotor shaft (15) that is rotatably supported by a pump housing (14). The rotor shaft is provided with an impeller or a spindle (16) for conveying fluid from a suction chamber (17) into a pressure chamber (18). A rotor (21) is provided with an inner magnet (22), which is set in rotation over a magnetic field of an outer magnet. The suction chamber and a slit pot (20) are connected with each other over a line (29) by the fluid. The rotor comprises openings distributed along circumferential direction.

IPC 8 full level

**F04C 2/107** (2006.01); **F04C 15/00** (2006.01); **F04D 13/02** (2006.01); **F04D 29/58** (2006.01); **F04C 2/16** (2006.01)

CPC (source: EP)

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Cited by

EP4198261A1; US11946469B2

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DOCDB simple family (publication)

**DE 102009052856 B3 20100909**; EP 2322803 A2 20110518; EP 2322803 A3 20140903; EP 2322803 B1 20200506; ES 2796658 T3 20201127

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