

Title (en)
PUMP FOR A FLUID OR GASEOUS MEDIUM

Title (de)
PUMPE FÜR EIN FLÜSSIGES ODER GASFÖRMIGES MEDIUM

Title (fr)
POMPE POUR MILIEU LIQUIDE OU GAZEUX

Publication
EP 1230486 B1 20080123 (DE)

Application
EP 00975951 A 20001028

Priority
• DE 19952605 A 19991102
• EP 0010639 W 20001028

Abstract (en)
[origin: DE19952605A1] A pump, in particular a vane cell pump, for a fluid or gaseous medium, is disclosed. Said pump may be driven by means of a motor, in particular an electric motor and comprises a rotor (15) arranged in an operating chamber, which may be coupled to a motor driveshaft (29) and at least one pressure plate (25), which defines the operating chamber (11) in the axial direction and which, on the lateral face (27) thereof, facing away from the rotor (15), is linked to a pressure chamber (23) as well as a coupling element (47; 47'). Said coupling element (47; 47') contributes to sealing the pressure chamber (23), in cooperation with at least one seal from the motor, whereby the driveshaft (29) extends through an opening (35) in the pressure plate (25). The pump (1) is further characterised, whereby the coupling element (47, 47') comprises a sleeve shaped section (49), which engages in the opening (35) of the pressure plate (25).

IPC 8 full level
F04C 2/344 (2006.01); **F04C 15/00** (2006.01); **F01C 21/10** (2006.01); **F04C 18/344** (2006.01)

CPC (source: EP US)
F01C 21/10 (2013.01 - EP US); **F04C 15/0038** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19952605 A1 20010510; DE 10083436 B4 20130411; DE 10083436 D2 20021219; DE 50014936 D1 20080313; EP 1230486 A1 20020814; EP 1230486 B1 20080123; JP 2003514175 A 20030415; JP 4514385 B2 20100728; US 6641380 B1 20031104; WO 0133081 A1 20010510

DOCDB simple family (application)
DE 19952605 A 19991102; DE 10083436 T 20001028; DE 50014936 T 20001028; EP 0010639 W 20001028; EP 00975951 A 20001028; JP 2001535739 A 20001028; US 12934502 A 20020911