

Title (en)
Pumping device with Moineau pump

Title (de)
Pumpanlage mit Moineau-Pumpe

Title (fr)
Dispositif de pompage a pompe moineau

Publication
EP 1310676 B1 20081224 (FR)

Application
EP 02292711 A 20021030

Priority
FR 0114391 A 20011107

Abstract (en)
[origin: EP1310676A1] The pump (1) has an interior helicoidal rotor (2) with a helicoidal stator cavity and motors. A driving rod (5) is coupled by couplings (6,7) to a driving shaft (3) and to an end of the rotor. Each coupling comprises a spherical head (12) fixed to the rod and received in a cylindrical cavity (14) coaxially fixed to the end of the rotor. A ball (15) is part sheltered in a dish (16) of the spherical head and part in a lateral recess (19) of the cavity.

IPC 8 full level
F04C 2/107 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)
F04C 2/1071 (2013.01 - EP US); **F04C 15/0065** (2013.01 - EP US)

Cited by
FR2994229A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1310676 A1 20030514; **EP 1310676 B1 20081224**; DE 60230477 D1 20090205; FR 2831926 A1 20030509; FR 2831926 B1 20040702; US 2004131491 A1 20040708; US 6962489 B2 20051108

DOCDB simple family (application)
EP 02292711 A 20021030; DE 60230477 T 20021030; FR 0114391 A 20011107; US 28858802 A 20021106