

Title (en)

Moineau-type pump with modular replacement unit

Title (de)

Exzenterschneckenpumpe mit modularer Austauschereinheit

Title (fr)

Pompe de type Moineau avec unité de remplacement modulaire

Publication

EP 1400693 A3 20060301 (DE)

Application

EP 03020133 A 20030905

Priority

DE 10243675 A 20020920

Abstract (en)

[origin: EP1400693A2] The pump (10) has a spiral rotor (36) in a looped stator chamber and a drive shaft (16) linking the rotor to a drive (12). The drive shaft is connected via a releasable connection to the drive or to a transmission (14). After release, it can be exchanged along with the rotor, stator (38), seal (18) and if necessary with part of the pump housing (26).

IPC 8 full level

F01C 21/10 (2006.01); **F04C 2/107** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 2/1071 (2013.01 - EP US); **F04C 2230/80** (2013.01 - EP US)

Citation (search report)

- [XY] DE 10022631 A1 20011122 - GRUEN PUMPEN GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06 31 July 1995 (1995-07-31)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02 2 April 2002 (2002-04-02)

Cited by

NO329714B1; US8613608B2; US8496456B2; US8388327B2; US8556603B2; WO2010021549A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 10243675 B3 20040129; EP 1400693 A2 20040324; EP 1400693 A3 20060301; US 2004057846 A1 20040325

DOCDB simple family (application)

DE 10243675 A 20020920; EP 03020133 A 20030905; US 66659103 A 20030919