

Title (en)
MOTOR-PUMP UNIT

Title (de)
MOTORPUMPENAGGREGAT

Title (fr)
ENSEMBLE MOTO-POMPE

Publication
EP 1181453 B1 20030108 (DE)

Application
EP 01917112 A 20010323

Priority
• DE 10015139 A 20000329
• EP 0103357 W 20010323

Abstract (en)
[origin: WO0173295A1] The invention relates to a motor-pump unit comprising an electromotor (1) and a pump (2). The invention is characterized in that the pump (2) is surrounded concentrically by the rotor/stator (1.3, 1.1) of the motor; the rotor (1.3) of the electromotor is U-shaped when viewed from the axial section; the limb of the U is provided with an interior toothing in the zone of the common axis and the shaft (2.3) of the pump (2) has a pinion which meshes with the interior toothing of the limb of the U.

IPC 1-7
F04C 15/00; **F04B 17/03**; **F04B 53/08**; **F04B 23/08**; **F04B 1/12**

IPC 8 full level
F04C 2/12 (2006.01); **F04B 1/12** (2006.01); **F04B 17/03** (2006.01); **F04B 23/08** (2006.01); **F04B 53/08** (2006.01); **F04C 2/10** (2006.01); **F04C 15/00** (2006.01); **H02K 7/10** (2006.01); **H02K 7/14** (2006.01); **F04C 11/00** (2006.01)

CPC (source: EP KR US)
F04B 1/128 (2013.01 - EP US); **F04B 17/03** (2013.01 - EP US); **F04B 23/08** (2013.01 - EP US); **F04B 53/08** (2013.01 - EP US); **F04C 2/102** (2013.01 - EP US); **F04C 2/14** (2013.01 - KR); **F04C 15/008** (2013.01 - EP US); **F04C 11/008** (2013.01 - EP US)

Cited by
EP1674728A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0173295 A1 20011004; AT E230822 T1 20030115; AU 4422201 A 20011008; DE 10015139 A1 20011011; DE 50100082 D1 20030213; DK 1181453 T3 20030505; EP 1181453 A1 20020227; EP 1181453 B1 20030108; ES 2189781 T3 20030716; JP 2003529019 A 20030930; JP 5047439 B2 20121010; KR 20020024590 A 20020330; US 2002172605 A1 20021121; US 6585498 B2 20030701

DOCDB simple family (application)
EP 0103357 W 20010323; AT 01917112 T 20010323; AU 4422201 A 20010323; DE 10015139 A 20000329; DE 50100082 T 20010323; DK 01917112 T 20010323; EP 01917112 A 20010323; ES 01917112 T 20010323; JP 2001570989 A 20010323; KR 20017014858 A 20011121; US 98028602 A 20020508