

Title (en)
Pump comprising an integrated motor

Title (de)
Pumpe mit integriertem Motor

Title (fr)
Pompe à moteur intégré

Publication
EP 1777416 A1 20070425 (DE)

Application
EP 06026955 A 20040707

Priority
• EP 04740758 A 20040707
• DE 10333308 A 20030722
• DE 10352487 A 20031107

Abstract (en)
The single-part chamber (4) of the pump (1) surrounds a motor rotor (5).

IPC 8 full level
F04D 13/06 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP KR US)
F04D 13/06 (2013.01 - KR); **F04D 13/0633** (2013.01 - EP US); **F04D 13/064** (2013.01 - EP US); **F04D 29/426** (2013.01 - EP US)

Citation (search report)
• [A] DE 3822897 A1 19900111 - WEBASTO AG FAHRZEUGTECHNIK [DE]
• [A] FR 2608228 A1 19880617 - VALEO [FR]
• [A] DE 10154630 A1 20030515 - DIEHL AKO STIFTUNG GMBH & CO [DE]
• [A] WO 0138741 A1 20010531 - BOSCH GMBH ROBERT [DE], et al
• [A] EP 0711019 A1 19960508 - WILO GMBH [DE]

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005015023 A1 20050217; AT E372464 T1 20070915; AT E427428 T1 20090415; AT E427429 T1 20090415; AT E430262 T1 20090515; CN 100434720 C 20081119; CN 1826470 A 20060830; DE 10352487 A1 20050210; DE 502004004892 D1 20071018; DE 502004009289 D1 20090514; DE 502004009291 D1 20090514; DE 502004009441 D1 20090610; EP 1649169 A1 20060426; EP 1649169 B1 20070905; EP 1770283 A1 20070404; EP 1770283 B1 20090401; EP 1777415 A1 20070425; EP 1777415 B1 20090401; EP 1777416 A1 20070425; EP 1777416 B1 20090429; ES 2293285 T3 20080316; ES 2323277 T3 20090710; ES 2324177 T3 20090731; KR 100776476 B1 20071116; KR 20060040709 A 20060510; PL 1649169 T3 20080131; RU 2006100277 A 20060710; RU 2332587 C2 20080827; SI 1649169 T1 20080229; US 2006251513 A1 20061109; US 7819640 B2 20101026

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EP 2004007446 W 20040707; AT 04740758 T 20040707; AT 06026953 T 20040707; AT 06026954 T 20040707; AT 06026955 T 20040707; CN 200480021080 A 20040707; DE 10352487 A 20031107; DE 502004004892 T 20040707; DE 502004009289 T 20040707; DE 502004009291 T 20040707; DE 502004009441 T 20040707; EP 04740758 A 20040707; EP 06026953 A 20040707; EP 06026954 A 20040707; EP 06026955 A 20040707; ES 04740758 T 20040707; ES 06026953 T 20040707; ES 06026955 T 20040707; KR 20067001482 A 20060123; PL 04740758 T 20040707; RU 2006100277 A 20040707; SI 200430537 T 20040707; US 56540904 A 20040707