

Title (en)
Positive displacement pump

Title (de)
Verdrängerpumpe

Title (fr)
Pompe à déplacement positif

Publication
EP 1134417 A3 20020911 (DE)

Application
EP 01104428 A 20010227

Priority
• DE 10012406 A 20000315
• DE 20018958 U 20001107

Abstract (en)
[origin: EP1134417A2] The rotary displacement pump has a blade (18) to divide the interior (12) of the pump housing (10) into two chambers, rotated by a drive shaft (14). The blade (18) has sealing bars (20,22) and a spring unit (48) which keeps the sealing bars (20,22) pressed against the inner wall surface of the housing interior (12) in a seal contact. The spring (48) is preferably a leaf spring.

IPC 1-7
F04C 2/344; **F04C 15/00**

IPC 8 full level
F01C 21/08 (2006.01); **F04C 2/344** (2006.01); **F04C 15/00** (2006.01); **F04C 18/344** (2006.01)

CPC (source: EP US)
F01C 21/08 (2013.01 - EP US); **F01C 21/0809** (2013.01 - EP US); **F01C 21/0881** (2013.01 - EP US); **F04C 2/3441** (2013.01 - EP US); **F04C 2/3442** (2013.01 - EP US); **F04C 18/3442** (2013.01 - EP US)

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

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EP 1134417 A2 20010919; **EP 1134417 A3 20020911**; **EP 1134417 B1 20030924**; AT E250722 T1 20031015; CN 1162621 C 20040818; CN 1317644 A 20011017; DE 50100666 D1 20031030; EP 1327778 A2 20030716; EP 1327778 A3 20030723; EP 1424495 A2 20040602; EP 1424495 A3 20040623; US 2002136656 A1 20020926; US 6604924 B2 20030812

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