

Title (en)
Vane pump

Title (de)
Drehschieberpumpe

Title (fr)
Pompe à palettes

Publication
EP 1279834 A3 20041103 (DE)

Application
EP 02090283 A 20020726

Priority
• DE 10137415 A 20010727
• DE 20112695 U 20010727

Abstract (en)
[origin: EP1279834A2] The pump has a housing of cylinder (1) and cover (8A), and a rotor (3) with rotary slides. There is power introduction on at least one side of the rotor via a centering shaft section (13). The section forms part of a further cover element (8B) and is connected to the rotor via fastener elements, so that in extension of the drive shaft (7), a drive shaft (7') with second increased diameter (d2) is formed. A chamber (4) formed between drive shaft and internal rotor wall (21) is connected via channels (5) to the pump chamber (19) between two rotary slides.

IPC 1-7
F04C 2/344; F01C 21/08

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

CPC (source: EP)
F01C 21/0836 (2013.01); **F01C 21/0863** (2013.01); **F04C 2/3442** (2013.01); **F04C 2230/603** (2013.01)

Citation (search report)
• [X] US 3361076 A 19680102 - DAVIS CAREY L
• [X] US 2353965 A 19440718 - MEADOR GORDON R

Cited by
EP1960672A4; EP2401503A4; DE102012006016A1

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

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EP 1279834 A2 20030129; **EP 1279834 A3 20041103**; **EP 1279834 B1 20070228**; AT E355463 T1 20060315; DE 50209573 D1 20070412

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