

Title (en)
Vane pump

Title (de)
Verdrängerzellenpumpe

Title (fr)
Pompe à palettes

Publication
EP 1138947 A3 20021030 (DE)

Application
EP 01102011 A 20010130

Priority
DE 10015020 A 20000325

Abstract (en)
[origin: EP1138947A2] The pump has a casing with a drive shaft through it and with a suction channel, outlet channel, flow regulating valve and flow limiting valve. The cover has a control plate on the casing side and an end plate on the other side. The casing and endplate have slots (9) preventing the slide lifting off the cam ring at low revs. The casing slots have a recess (11) enabling the region behind the rollers to be filled if rollers (10) are used.

IPC 1-7
F04C 2/344

IPC 8 full level
F01C 21/08 (2006.01); **F01C 21/10** (2006.01); **F04C 2/344** (2006.01)

CPC (source: EP)
F01C 21/0863 (2013.01); **F01C 21/10** (2013.01); **F04C 2/3446** (2013.01); **F04C 2/3447** (2013.01)

Citation (search report)

- [DXY] DE 4438696 A1 19960502 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [Y] DE 1653845 A1 19710609 - HOBURN EATON MFG CO LTD
- [Y] DE 2249149 A1 19730412 - FORD WERKE AG
- [A] US 3865520 A 19750211 - KRAMER LEO, et al
- [DA] DE 2915809 A1 19791108 - FORD WERKE AG
- [A] DE 1553225 A1 19700205 - THOMSON RAMO WOOLDRIDGE INC
- [A] US 3549288 A 19701222 - NICHOLS DENVER E, et al

Cited by
DE10233582B4

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)
EP 1138947 A2 20011004; **EP 1138947 A3 20021030**; DE 10015020 A1 20010927

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