

Title (en)
Rodless fluid cylinder

Title (de)
Kolbenstangenloser Druckmittelzylinder

Title (fr)
Vérin à piston sans tige

Publication
EP 0715083 A3 19970723 (DE)

Application
EP 95890207 A 19951116

Priority
AT 221994 A 19941130

Abstract (en)
[origin: EP0715083A2] The cylinder has an inner sealing strip (7) fastened in or on the longitudinal slot (6) extending along the cylinder by respective clamp pieces (11) which are separate from the cylinder covers (12). Both cylinder covers are fastened on the cylinder casing (2) in different twisted-round positions in relation to each other in the plane of the covers. The channels transmitting pressure medium in the two cylinder covers are located dynamically balanced in the transition region between the cylinder cover and adjacent structural part of the casing. A flange (9) on the piston (4) protrudes through the slot and has a clamping flange (10) on the outside.

IPC 1-7
F15B 15/08

IPC 8 full level
F15B 15/08 (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP US)
F15B 15/082 (2013.01 - EP US)

Citation (search report)

- [DA] US 5245910 A 19930921 - DRITTEL VOLKER [DE]
- [A] EP 0033541 A1 19810812 - TOL O MATIC INC [US]
- [A] US 4273031 A 19810616 - HANNON ALBERT H
- [A] US 4991494 A 19910212 - MIGLIORI LUCIANO [IT]

Cited by
US6766727B2; DE10109479A1; EP0945629A1; WO02068827A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0715083 A2 19960605; EP 0715083 A3 19970723; EP 0715083 B1 20000920; AT 402543 B 19970625; AT A221994 A 19961015; DE 59508730 D1 20001026; ES 2151589 T3 20010101; JP 3713083 B2 20051102; JP H08219114 A 19960827; US 5606903 A 19970304

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