

Title (en)
Rodless fluid cylinder

Title (de)
Kolbenstangenloser Druckmittelzylinder

Title (fr)
Vérin à piston sans tige

Publication
EP 0684390 B1 19980930 (DE)

Application
EP 95890094 A 19950517

Priority
AT 102394 A 19940518

Abstract (en)
[origin: EP0684390A1] The cylinder has a floating piston (3) whose radial arm (7) extends out of the cylinder via a longitudinal slit (6). The inside of the slit is sealed by a loose fitting elastic strip seal (9) which passes through the piston arm via a slot (11). The inner pressure of the cylinder presses the sealing strip onto the slit to seal the pressure chamber. The sealing strip has a cross-sectional profile to locate in the tapering slit under internal pressure. An outer sealing strip (10) reinforces the sealing action. The outer strip passes through a second slot (12) in the piston arm. <IMAGE>

IPC 1-7
F15B 15/08

IPC 8 full level
F15B 15/08 (2006.01)

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

Citation (examination)

- US 2473430 A 19490614 - HOFFAR HENRY S
- EP 0147803 A2 19850710 - TOL O MATIC INC [US]
- EP 0069199 A1 19830112 - PROMA PROD & MARKETING GMBH [DE]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0684390 A1 19951129; EP 0684390 B1 19980930; AT 401554 B 19961025; AT A102394 A 19960215; DE 59503755 D1 19981105

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