

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**

DOCDB simple family (application)  
**EP 95890094 A 19950517; AT 102394 A 19940518; DE 59503755 T 19950517**