

Title (en)  
Rotary actuator, especially pneumatic rotary actuator

Title (de)  
Drehantrieb, insbesondere pneumatischer Drehantrieb

Title (fr)  
Vérin rotatif, surtout vérin rotatif pneumatique

Publication  
**EP 0979952 A3 20000322 (DE)**

Application  
**EP 99112430 A 19990630**

Priority  
DE 29814551 U 19980813

Abstract (en)  
[origin: EP0979952A2] The rotary drive has a pneumatic piston (5) axially guided on several guide pins (4) and with a central threaded bore (9). The drive shaft (6) is axially fixed and has an extension threaded into the central bore of the piston. As the piston moves it causes the shaft to rotate. The cover (2) of the pneumatic cylinder is removable for repairs. The cover and its mounting in the cylinder housing, have corresponding grooves to take a circular split ring (13) which holds the cover in place. A pin (20) in one side of the piston runs in a groove in the cylinder and limits the axial movement of the piston in either direction.

IPC 1-7  
**F15B 15/08**

IPC 8 full level  
**F15B 15/08** (2006.01); **F15B 15/14** (2006.01); **F15B 15/28** (2006.01)

CPC (source: EP)  
**F15B 15/068** (2013.01); **F15B 15/1438** (2013.01); **F15B 15/1476** (2013.01); **F15B 15/2807** (2013.01)

Citation (search report)

- [XY] DE 29703710 U1 19970626 - WILHELM GUTH GMBH & CO KG [DE]
- [YA] NL 7018534 A 19720620
- [A] LU 45404 A1 19640413

Cited by  
CN103115035A; DE102010002621A1; US8667887B2

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

DOCDB simple family (publication)  
**DE 29814551 U1 19981112**; CN 1245269 A 20000223; EP 0979952 A2 20000216; EP 0979952 A3 20000322

DOCDB simple family (application)  
**DE 29814551 U 19980813**; CN 99111425 A 19990813; EP 99112430 A 19990630