

Title (en)

Pressure fluid actuator with means for preventing rotation

Title (de)

Druckmittelzylinder mit einer Verdrehsicherung

Title (fr)

Vérin à pression fluïdique avec dispositif anti-rotation

Publication

EP 1253329 B1 20040825 (DE)

Application

EP 02006632 A 20020325

Priority

DE 10120026 A 20010424

Abstract (en)

[origin: EP1253329A1] The cylinder consists basically of a tube (1) of non-circular internal cross section, in which a piston element (2) linked co-axially to a piston rod (3) is sealed. The piston element has a circular cross section and is surrounded by a connected adapter element (4) which can turn relative to it, with an internal surface corresponding to that of the piston, and an external surface (5) corresponding to that of the cylinder.

IPC 1-7

F15B 15/14

IPC 8 full level

F15B 15/14 (2006.01)

CPC (source: EP US)

F15B 15/1414 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 1253329 A1 20021030; EP 1253329 B1 20040825; DE 10120026 A1 20021205; DE 10120026 C2 20030403; DE 50200884 D1 20040930; US 2002162447 A1 20021107; US 6637316 B2 20031028

DOCDB simple family (application)

EP 02006632 A 20020325; DE 10120026 A 20010424; DE 50200884 T 20020325; US 13151402 A 20020424