

Title (en)

Fluid power cylinder with fluid locking

Title (de)

Druckmittelbetriebener Arbeitszylinder mit fluidischer Wegsperrung

Title (fr)

Vérin avec verrouillage fluide

Publication

EP 1030065 B1 20040922 (DE)

Application

EP 00100096 A 20000107

Priority

DE 29902773 U 19990217

Abstract (en)

[origin: EP1030065A1] The cylinder consists of a double-wall cylinder tube (1) with flow grooves, a guide part (2), a bottom closing part (3) and a piston rod (6) with piston (7) between a piston cavity (31) and an annular piston cavity (32). The bottom closing part contains a control cylinder cavity (8) with a control piston (15) kept in the blocking middle position by springs (13, 14) on either side. The unpressurized fluid in the piston cavities blocks the movement of the piston and its rod. When pressure is applied, the system is unblocked.

IPC 1-7

F15B 13/01; **F15B 15/20**

IPC 8 full level

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