

Title (en)
Fluid actuated cylinder with gas spring

Title (de)
Fluidischer Betätigungszylinder mit Gasfeder

Title (fr)
Vérin hydraulique avec ressort à gaz

Publication
EP 1225345 B1 20040519 (DE)

Application
EP 02450006 A 20020116

Priority
AT 932001 A 20010119

Abstract (en)
[origin: EP1225345A1] The hydraulic cylinder, with a gas spring, has a cylinder tube (1) which is extended over at least one of the sealing walls (8). A sliding piston rod and gas spring piston (6,11) is held at the extension, where an enclosed gas volume (12) is under pressure. A piston rod (6,13) passes through a sealing wall, in a sealed passage against the working zone (9), to act on the working piston (5). At least one bleed opening (14) links a zone (15) with the ambient environment, which lies between the gas volume and the sealing wall.

IPC 1-7
F15B 15/14; **F15B 11/064**; **F15B 11/072**

IPC 8 full level
F15B 11/036 (2006.01); **F15B 11/064** (2006.01); **F15B 11/072** (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)
F15B 11/0365 (2013.01); **F15B 11/064** (2013.01); **F15B 11/072** (2013.01); **F15B 15/1476** (2013.01); **F15B 2211/625** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/7716** (2013.01)

Cited by
US8939062B2; EP1403530A3; DE102006020082A1; DE102005021716A1; DE102006020104A1; DE102006020104B4; NL2003161C2; US2012097024A1; DE102005060869A1; DE102005060869B4; CN106286430A; EP1403530A2; WO2011005086A1

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