

Title (en)

Actuator with elastic means to return a piston assembly to the neutral position

Title (de)

Betätigungsglied mit elastischem Mittel, das ein Kolbenaggregat zurück in die Nulllage bringt

Title (fr)

Vérin à dispositif élastique de rappel d'un ensemble de piston de travail en position neutre

Publication

EP 0997647 B1 20040303 (FR)

Application

EP 99402644 A 19991025

Priority

FR 9813509 A 19981028

Abstract (en)

[origin: EP0997647A1] The actuator comprises two work pistons (26,27) connected to a work rod (28) on which slide two small auxiliary pistons (37,38) which can move in an auxiliary chamber (35). This chamber being permanently supplied with compressed gas causes the return by the auxiliary pistons of the work pistons and rod from a completely out position (to the right) of the rod to a completely re-entered (to the left) of this rod.

IPC 1-7

F15B 15/14; **F15B 11/036**; **F15B 11/12**

IPC 8 full level

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CPC (source: EP US)

B25F 5/00 (2013.01 - EP US); **F15B 11/0365** (2013.01 - EP US); **F15B 11/123** (2013.01 - EP US); **F15B 15/1438** (2013.01 - EP US); **F15B 2211/7056** (2013.01 - EP US)

Cited by

EP2813735A1; EP1163979A1; US9512860B2; WO2022124896A3; US7107814B2; WO0196071A1

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EP 0997647 A1 20000503; **EP 0997647 B1 20040303**; AT E261067 T1 20040315; DE 69915208 D1 20040408; DE 69915208 T2 20050217; ES 2217707 T3 20041101; FR 2785338 A1 20000505; FR 2785338 B1 20010810; JP 2000130584 A 20000512; US 6283011 B1 20010904

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