

Title (en)

Fluid pressure operating means with a cylinder and a plunger piston

Title (de)

Druckmittelantrieb mit einem Zylinder und einem Tauchkolben

Title (fr)

Système de commande actionné par un fluide sous pression avec un cylindre et un piston plunger

Publication

EP 0786599 B1 20011128 (DE)

Application

EP 97100230 A 19970109

Priority

DE 19602553 A 19960125

Abstract (en)

[origin: EP0786599A2] The plunger piston (3) can be withdrawn from the passage bore (13) in the abutment and from the sealing ring (8), without dismantling the abutment. The abutment is formed as a sliding body, and forms a diametrical dove-tail connection with the end of the cylinder (1). When in inserted position, the abutment is locked by the piston relative to the cylinder. The dove-tail connection has two diametrically opposite slide rails, which are inserted into complementary cross grooves (9, 10) in the cylinder. The sliding body has a ring groove (16) with stripper ring.

IPC 1-7

F15B 15/14; **F15B 15/20**

IPC 8 full level

F15B 15/14 (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP US)

F15B 15/1433 (2013.01 - EP US); **F15B 15/1438** (2013.01 - EP US); **F15B 15/1461** (2013.01 - EP)

Cited by

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EP 0786599 A2 19970730; **EP 0786599 A3 19980708**; **EP 0786599 B1 20011128**; AT E209756 T1 20011215; DE 19602553 A1 19970731; DE 19602553 C2 19991014; DE 59705481 D1 20020110; ES 2168527 T3 20020616; JP 3871757 B2 20070124; JP H09296806 A 19971118; US 5701800 A 19971230

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EP 97100230 A 19970109; AT 97100230 T 19970109; DE 19602553 A 19960125; DE 59705481 T 19970109; ES 97100230 T 19970109; JP 858597 A 19970121; US 78609797 A 19970117