

Title (en)
Pressure actuator for high pressure hydraulics

Title (de)
Druckzylinder für Hochdruckhydraulik

Title (fr)
Cylindre à pression pour hydraulique à haute pression

Publication
EP 0701065 B1 20000301 (DE)

Application
EP 95112898 A 19950817

Priority
DE 4430502 A 19940827

Abstract (en)
[origin: EP0701065A2] A pressure cylinder (1) comprises a metallic, cylindrical liner as the inner cylinder (4), with a plastic fibre reinforced outer sleeve (5). A metal piston (2) with piston rod (3) slides in the inner cylinder, and the unit has metal closure parts (6) sealed to a cylindrical control section (7). Supply and return of the pressure medium is achieved via channels (11) in the closure parts. The two closure parts (6) are connected by tensioning rods (12), and the unit is stabilised against deformation due to the high pressure medium by the connection of the cylinder to the closure parts and adjustment of the tension force.

IPC 1-7
F15B 15/14

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP)
F15B 15/1428 (2013.01); **F15B 15/1433** (2013.01); **F15B 15/149** (2013.01); **F15B 2215/305** (2013.01)

Cited by
WO2006055997A1; DE19645467A1; DE19649133C1; DE102009014813B4; DE102004008523A1; DE102004008523B4; US8695643B2; US7984731B2; EP0841490A2; WO9822715A3; US8262825B2

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