

Title (en)
SINGLE-STAGE ACTUATOR WITH A PISTON ROD LOCKING DEVICE

Publication
EP 0377898 B1 19910807 (DE)

Application
EP 89124047 A 19891228

Priority
DE 3900344 A 19890107

Abstract (en)
[origin: EP0377898A1] A power cylinder has a body (11) which houses a piston (12) which has a piston rod (121). The piston can be held in any required position by a clamping device installed in the cylinder head (112). The clamping device consists of a chamber (17) which houses a clamping cone (172). This clamping cone is pressed downwards by a stack of disc springs (17') onto a clamping bush (171) which grips the piston rod (121). The clamp is released by admitting the pressure medium to the chamber (17) so that the force of the disc springs is overcome and the clamping cone (172) is pushed upwards clear of the clamping bush (171).

IPC 1-7
F15B 13/01; F15B 15/26

IPC 8 full level
F15B 13/01 (2006.01); **F15B 15/20** (2006.01); **F15B 15/26** (2006.01)

CPC (source: EP)
F15B 13/015 (2013.01); **F15B 15/202** (2013.01); **F15B 15/262** (2013.01)

Citation (examination)
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Cited by
DE102005001234A1; EP0589863A1; DE4421861C2; DE4445960C1; EP2345815A1; US8944527B2

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