

Title (en)
PISTON LOCKING DEVICE

Publication
EP 0103555 B1 19860226 (EN)

Application
EP 83850217 A 19830819

Priority
SE 8204775 A 19820820

Abstract (en)
[origin: EP0103555A1] A pressure fluid actuated piston-cylinder device including a piston rod locking mechanism which comprises conical wedge means (18, 19) by which a friction grip is accomplished on the piston rod, and a spring (20) arranged to continuously develop an activation load upon the wedge means (18, 19). The locking mechanism also comprises a release piston (29) and a number of levers (27) connecting the release piston (29) to the wedge means (18, 19), thereby amplifying the force developed by the release piston (29). By the lever arrangement a relatively small piston is able to neutralize the force of a powerful activating spring.

IPC 1-7
F15B 15/26

IPC 8 full level
F15B 15/26 (2006.01)

CPC (source: EP)
F15B 15/262 (2013.01)

Citation (examination)
DE 2755456 A1 19790628 - BOSCH GMBH ROBERT

Cited by
DE4126897A1; CN104791327A; CN104500501A; EP0589863A1; EP3203090A1; US4733602A; CN113202838A; DE102006004659A1; CN116441954A; DE3510643A1; DE102011112946A1; DE102011112946B4; EP1726803A3; EP1528267A1; CN106050803A; DE4421861A1; DE4421861C2; CN104088850A; US6612221B1; EP1813823A2; US7178639B2; CN106438573A; CN106855072A; CN113883124A; WO0058632A1; WO03046388A1; US6631670B2; US6186047B1; WO0169091A1; WO9730291A1

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