

Title (en)
Force multiplier

Title (de)
Kraftverstärker

Title (fr)
Multiplicateur de force

Publication
EP 0939233 A3 20011205 (DE)

Application
EP 99103719 A 19990225

Priority
DE 19808301 A 19980227

Abstract (en)
[origin: DE19808301A1] The increaser is located in front of the pressure medium piston (2), within the same cylinder, moving with the piston (2). The counter bearing (11) is in a force fit at the wall of the cylinder (1), as a collet.

IPC 1-7
F15B 15/20; F16H 25/18

IPC 8 full level
F15B 3/00 (2006.01); **F15B 15/20** (2006.01); **F15B 15/26** (2006.01)

CPC (source: EP)
F15B 3/00 (2013.01); **F15B 15/204** (2013.01)

Citation (search report)

- [X] EP 0348168 A2 19891227 - SPOONER RICHARD CODY
- [X] US 3135171 A 19640602 - MICHALAK JR STANLEY J
- [X] DE 2347419 A1 19740404 - BROMSREGULATOR SVENSKA AB
- [X] DE 2920463 A1 19801127 - DUERHOLT
- [X] DE 2315169 A1 19741017 - MARTONAIR LTD
- [X] FR 2376315 A1 19780728 - SOMAP SARL [FR]
- [X] GB 2193126 A 19880203 - FESTO KG
- [X] US 4270398 A 19810602 - ARNOLD FRANZ

Cited by
CN104806598A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19808301 A1 19980910; EP 0939233 A2 19990901; EP 0939233 A3 20011205; JP H11287202 A 19991019

DOCDB simple family (application)
DE 19808301 A 19980227; EP 99103719 A 19990225; JP 5339599 A 19990301