

Title (en)
Hydraulic force-multiplying actuator

Title (de)
Hydraulischer Druckverstärker

Title (fr)
Multiplicateur de pression hydraulique

Publication
EP 1273805 A3 20030409 (EN)

Application
EP 01124741 A 20011017

Priority
IT TO20010648 A 20010705

Abstract (en)
[origin: EP1273805A2] An hydraulic force-multiplying actuator is disclosed comprising adjustable pneumatic reaction means (60) adapted to exert a constant reaction pressure and to perform a constant-force stroke, and supplied by compressed-air supplying ducts (52); the actuator further comprises a shoulder (50) for the oil in the working area, and at least one element (11) adapted to prevent the pad of the reaction means (60) from rotating. <IMAGE>

IPC 1-7
F15B 11/032

IPC 8 full level
F15B 11/032 (2006.01); **F15B 15/14** (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP)
F15B 11/0325 (2013.01); **F15B 15/088** (2013.01); **F15B 2015/1495** (2013.01); **F15B 2211/216** (2013.01); **F15B 2211/76** (2013.01)

Citation (search report)

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

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EP 1273805 A2 20030108; EP 1273805 A3 20030409; EP 1273805 B1 20040929; AT E278111 T1 20041015; DE 60106001 D1 20041104; DE 60106001 T2 20051103; ES 2228725 T3 20050416; IT TO20010648 A1 20011005

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