

Title (en)
PISTON /CYLINDER UNIT

Title (de)
KOLBEN-ZYLINDER-EINHEIT

Title (fr)
UNITE PISTON-CYLINDRE

Publication
EP 1977115 A1 20081008 (DE)

Application
EP 06828677 A 20061214

Priority
• DE 2006002246 W 20061214
• DE 102006001465 A 20060111

Abstract (en)
[origin: WO2007079707A1] The invention relates to a piston /cylinder unit, comprising a cylinder housing and a piston with a piston rod which may be moved axially in the cylinder housing and which may be pivoted about an angle relative to the cylinder axis. The piston has a spherical segment shaped surface facing the inner diameter of the cylinder housing and a pressure spring arranged within the cylinder housing acts on the piston from the side opposite the piston rod. According to the invention the pressure spring acts in the direction fo the piston against a convex curved or concave curved surface which permits a pivoting movement of the piston.

IPC 8 full level
F15B 15/14 (2006.01); **B60T 11/16** (2006.01); **B60T 11/236** (2006.01); **F16D 25/08** (2006.01); **F16J 1/02** (2006.01); **F16J 1/24** (2006.01)

CPC (source: EP)
F15B 15/1447 (2013.01); **F16D 25/08** (2013.01); **F16J 1/12** (2013.01); **F16D 25/088** (2013.01); **F16D 2025/081** (2013.01);
F16D 2048/0212 (2013.01)

Citation (search report)
See references of WO 2007079707A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007079707 A1 20070719; BR PI0620927 A2 20111129; CN 101356376 A 20090128; DE 112006003462 A5 20080918;
EP 1977115 A1 20081008

DOCDB simple family (application)
DE 2006002246 W 20061214; BR PI0620927 A 20061214; CN 200680050952 A 20061214; DE 112006003462 T 20061214;
EP 06828677 A 20061214