

Title (en)

Fluid pressure-actuated cylinder with mechanical locking

Title (de)

Druckmittelbetriebener Arbeitszylinder mit mechanischer Wegsperrung im drucklosen Zustand

Title (fr)

Vérin à fluide sous pression avec blocage mécanique

Publication

EP 1605171 A3 20060906 (DE)

Application

EP 05008964 A 20050423

Priority

DE 202004009302 U 20040611

Abstract (en)

[origin: EP1605171A2] The working cylinder (1) operated by pressure medium and with an integrated blocking system (4) for mechanical travel locking has a threaded spindle (6) interacting with the female thread of a piston, and an axially movable locking disc (5) is fitted on the bottom end of the spindle. A blocking sleeve as a concentric double-collared sleeve (17) inside the rotating spindle acts as a fluid guide for the separation of the pressure-orientated inflow to the delivery-orientated outflow during axial flow of the two main streams of a pressurized flow consumer.

IPC 8 full level

F15B 15/26 (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP)

F15B 15/261 (2013.01); **F15B 15/264** (2013.01); **F15B 20/004** (2013.01)

Citation (search report)

- [AD] EP 1170512 A1 20020109 - BUEMACH ENGINEERING INT BV [NL]
- [AD] US 3442176 A 19690506 - GEYER HOWARD M
- [AD] US 2804053 A 19570827 - GEYER HOWARD M
- [AD] GB 683633 A 19521203 - GEN MOTORS CORP
- [A] GB 725003 A 19550302 - GEN MOTORS CORP
- [A] EP 1310681 A2 20030514 - ROLFO SPA [IT]

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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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1605171 A2 20051214; **EP 1605171 A3 20060906**; **EP 1605171 B1 20080917**; AT E408759 T1 20081015; DE 202004009302 U1 20040826; DE 502005005378 D1 20081030

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