

Title (en)
Single acting locking cylinder

Title (de)
Einfach wirkender Verriegelungszyylinder

Title (fr)
Vérin simple effet verrouillable

Publication
EP 1710449 A1 20061011 (DE)

Application
EP 05027442 A 20051215

Priority
DE 102005016090 A 20050408

Abstract (en)
The shutter cylinder (20) includes a piston (22) that moves inside a cylinder unit (21), and a mechanically lockable spindle (35) that rotates inside the cylinder unit. Shutter units (42.1,42.2) are used for moving the piston and rotating the spindle in the cylinder unit using the action of a spring (39). Each shutter unit has a pawl mechanism (54) provided for the mechanical blocking the rotation of the spindle with respect to the rotation axis (43) to enable the spindle to rotate in opposing directions.

IPC 8 full level
F15B 15/26 (2006.01)

CPC (source: EP)
F15B 15/264 (2013.01)

Citation (applicant)
• DE 10356597 B3 20050602 - NEUMEISTER HYDRAULIK GMBH [DE]
• DE 10356598 B3 20050602 - NEUMEISTER HYDRAULIK GMBH [DE]
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Citation (search report)
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• [Y] EP 1106841 A2 20010613 - WEBER HYDRAULIK GMBH [AT]
• [X] US 4293115 A 19811006 - PARKS JR GLENN C, et al
• [X] US 3442176 A 19690506 - GEYER HOWARD M
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EP1995471A2

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)
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DE 202005021379 U1 20071220; DE 502005002102 D1 20080110; ES 2297599 T3 20080501; PL 1710449 T3 20080530

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ES 05027442 T 20051215; PL 05027442 T 20051215