

Title (en)

Cylinder piston unit with locking means and correspondind methods for locking and unlocking

Title (de)

Verriegelungszyylinder und Verfahren zur Verriegelung und Entriegelung eines Verriegelungszyinders

Title (fr)

Vérin de verrouillage et procédés de verrouillage et de déverrouillage correspondants

Publication

EP 2570679 B1 20130918 (DE)

Application

EP 12197151 A 20100317

Priority

- EP 10156720 A 20100317
- DE 102009017212 A 20090409

Abstract (en)

[origin: EP2239470A2] The locking cylinder (20) has a cylinder (21) and a piston (22). Two transportable lock-supporting-bodies (35,36) are provided in a mutually frictional locking contact. The lock-supporting-bodies are determined to lock a spindle (30) against a rotation around its rotational axis (33) in friction fit manner. Independent claims are also included for the following: (1) a method for a locking a rotably fixed and frictionally engaged locking cylinder; and (2) a method for unlocking a rotably fixed and frictionally engaged locking cylinder.

IPC 8 full level

F15B 15/26 (2006.01)

CPC (source: EP)

F15B 15/264 (2013.01)

Cited by

EP3054170A1; EP3101283A1; DE102015108829A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2239470 A2 20101013; EP 2239470 A3 20120613; EP 2239470 B1 20130703; DE 102010015996 A1 20101014; EP 2570679 A1 20130320; EP 2570679 B1 20130918; EP 2570680 A1 20130320; EP 2570680 B1 20130918; ES 2429341 T3 20131114; ES 2437762 T3 20140114; ES 2437763 T3 20140114; PL 2239470 T3 20131129; PL 2570679 T3 20140228; PL 2570680 T3 20140228

DOCDB simple family (application)

EP 10156720 A 20100317; DE 102010015996 A 20100317; EP 12197151 A 20100317; EP 12197159 A 20100317; ES 10156720 T 20100317; ES 12197151 T 20100317; ES 12197159 T 20100317; PL 10156720 T 20100317; PL 12197151 T 20100317; PL 12197159 T 20100317