

Title (en)

Actuation handle

Title (de)

Betätigungshandhabe

Title (fr)

Poignée d'actionnement

Publication

**EP 1357243 A3 20051228 (DE)**

Application

**EP 03007558 A 20030401**

Priority

DE 20206732 U 20020426

Abstract (en)

[origin: CA2424449A1] An operating device for doors, windows, etc. comprises a rosette (20) for holding a rotating handle (10) whose head (12) contains a lock cylinder (18) with an axially displaceable locking bolt (44) that is axially spring-loaded and automatically assumes an engaging position at a defined angle of rotation of the handle (10) by sliding over a stepped locking sleeve (30) of the rosette (20). The lock cylinder (18) has a core (40) with a radial opening (50) in a non-rotating wall (58) for controlled movement of a spindle (48) that radially extends from the locking bolt (44) which engages the locking sleeve in defined angular positions of the handle (10). The opening (50) extends over a peripheral angle of e.g. 180.degree. to 220.degree., and is a contoured window having a lower flat segment (52), a depression (54) and a steeper segment (flank 56). On top, two straight edge sections (62, 66) run out at a vertical intermediate edge (58) above the depression (54), with lateral edges of the opening (50) forming stops for the spindle (48). If the key S is in the cylinder (18), pivoting the handle (10) from a horizontal position into an upward position (12 o'clock) requires two-hand operation. As the handle (10) is turned down into a transverse position (3 o'clock or 9 o'clock), the locking bolt (44) engages behind a tangential stop (68) under spring load, whether or not the key (S) is in the lock cylinder (18).

IPC 1-7

**E05B 13/10**

IPC 8 full level

**E05B 13/10** (2006.01); **E05B 17/04** (2006.01)

CPC (source: EP US)

**E05B 13/106** (2013.01 - EP US); **E05B 17/04** (2013.01 - EP US); **Y10T 70/5146** (2015.04 - EP US); **Y10T 70/577** (2015.04 - EP US); **Y10T 70/5792** (2015.04 - EP US); **Y10T 70/5801** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US)

Citation (search report)

- [X] US 5634357 A 19970603 - NUTTER CURTIS F [US], et al
- [X] GB 2200944 A 19880817 - HARDWARE & SYSTEMS PATENTS LTD
- [X] GB 2292969 A 19960313 - FENESEAL LTD [GB]

Cited by

CN112127710A; DE10200803333B4; DE102018131779A1; EP3819445A1; EP2107189A1; WO2008081236A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 20206732 U1 20020814**; CA 2424449 A1 20031026; CA 2424449 C 20110125; DE 50306240 D1 20070222; DK 1357243 T3 20070521; EP 1357243 A2 20031029; EP 1357243 A3 20051228; EP 1357243 B1 20070110; US 2003200777 A1 20031030; US 6923029 B2 20050802

DOCDB simple family (application)

**DE 20206732 U 20020426**; CA 2424449 A 20030331; DE 50306240 T 20030401; DK 03007558 T 20030401; EP 03007558 A 20030401; US 41118503 A 20030411