

Title (en)

LOCK AND BUTTON MECHANISM FOR USE IN A DOOR OR A WINDOW

Title (de)

VERRIEGELUNGS- UND KNOPFMECHANISMUS ZUR VERWENDUNG IN EINER TÜR ODER EINEM FENSTER

Title (fr)

VERROU ET MÉCANISME DE BOUTON POUR UNE UTILISATION DANS UNE PORTE OU UNE FENÊTRE

Publication

**EP 3660247 A1 20200603 (EN)**

Application

**EP 18209636 A 20181130**

Priority

EP 18209636 A 20181130

Abstract (en)

The present invention, in general, relates to a lock (80) suitable for use with a button mechanism (110) and a strike assembly (40), comprising a body (87), a spring-loaded latch housing (95) disposed in the body (87), and a latch (90) associated with the latch housing (95), which is, in use, suitable to be received in a lock strike assembly (40), a bolt (91) suitable to be engaged into a corresponding bolt hole (79) in the lock strike assembly (40), a spring-loaded bolt housing (97) in which the bolt (91) is guided and which is configured to be movable, and a cover (85) having a plurality of slots thereon. Said lock (80) comprises a sliding member (93) which is disposed movably in the lock body (87) and which is suitable to be moved by a triggering member (120) extending, at least partly, from the outside of the lock (87) into the inside thereof; and an actuating member (88) which is associated with the sliding member (93) and which transfers the motion from the sliding member (93) to the bolt housing (97) with which it is associated. Said bolt (91) is configured to compress a bolt spring (99) and push it outside the body (87) upon the actuation of the actuating member (88) and the sliding member (93) is configured to retract the bolt (91) into the body (87) once the triggering member (120) is withdrawn.

IPC 8 full level

**E05B 15/10** (2006.01); **E05B 63/24** (2006.01); **E05C 19/02** (2006.01)

CPC (source: EP)

**E05B 15/0205** (2013.01); **E05B 63/24** (2013.01); **E05C 19/022** (2013.01); **E05C 19/024** (2013.01)

Citation (search report)

- [A] EP 1367199 A1 20031203 - ZUBIRI SANCHEZ XABIER [ES]
- [A] CN 105421902 A 20160323 - MOBICOOL ELECTRONIC (SHENZHEN) CO LTD
- [A] DE 10252014 A1 20040527 - DORMA GMBH & CO KG [DE]
- [A] FR 1505278 A 19671208 - HEIWA DENKI KABUSHIKI KAISHA

Cited by

CN115162857A; US2020399939A1; US11952812B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3660247 A1 20200603**; EP 3660248 A1 20200603; EP 3660248 B1 20210804

DOCDB simple family (application)

**EP 18209636 A 20181130**; EP 19151937 A 20190115