

Title (en)

Lock with automatic locking and subsequent securing

Title (de)

Automatisches Verriegelungsschloss und anschließende Blockierung

Title (fr)

Serrure à verrouillage automatique et condamnation subséquente

Publication

EP 2505750 A3 20130522 (FR)

Application

EP 12160753 A 20120322

Priority

FR 1152662 A 20110330

Abstract (en)

[origin: EP2505750A2] The lock has a latch-bolt slider (3) whose rear part comprises an inclined ramp followed by a recess. A parallelepiped latch (5) is displaced in a longitudinal manner, and pivots under the action of the ramp and the recess. A ball (6) engages with an opening (13) of a latching carrier (9) and the latch for blocking the carrier in an armed position after releasing a lever-handle. A latch-bolt is withdrawn to raise the latch by the slider, release the ball by the latch, release the carrier by the ball and trigger latching of the lock in a sequential manner, during slamming of a door.

IPC 8 full level

E05B 63/06 (2006.01); **E05B 63/18** (2006.01); **E05B 55/12** (2006.01)

CPC (source: EP)

E05B 63/06 (2013.01); **E05B 63/185** (2013.01); **E05B 55/12** (2013.01)

Citation (search report)

- [A] FR 2652121 A1 19910322 - LAPERCHÉ SA [FR]
- [A] DE 20300394 U1 20030430 - BKS GMBH [DE]
- [A] FR 2469537 A1 19810522 - GILRO [FR]
- [A] DE 9407664 U1 19950907 - BKS GMBH [DE]

Cited by

CN107109865A; CN107075876A; US10240362B2; US10837199B2; US10125522B2; WO2016033805A1; TWI666368B; US10047550B2; US10619387B2

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 2505750 A2 20121003; EP 2505750 A3 20130522; FR 2973420 A1 20121005; FR 2973420 B1 20130329

DOCDB simple family (application)

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