

Title (en)

Permutation lock

Title (de)

Permutationsschloss

Title (fr)

Serrure à permutation

Publication

EP 2372054 A3 20170125 (DE)

Application

EP 11002454 A 20110324

Priority

DE 102010013400 A 20100330

Abstract (en)

[origin: EP2372054A2] The permutation lock (10) comprises multiple adjustment rollers (22a,22b,22c,22d) which are pivoted around an axis. A locking mechanism comprises a blocking element (72), where an attachment element (32a,32b,32c,32d) comprises axial projection. The blocking element is shifted by the attachment element.

IPC 8 full level

E05B 37/02 (2006.01); **E05B 71/02** (2006.01); **E05B 37/00** (2006.01)

CPC (source: EP US)

E05B 37/025 (2013.01 - EP US); **E05B 37/0058** (2013.01 - EP US); **Y10T 70/7305** (2015.04 - EP US); **Y10T 70/7322** (2015.04 - EP US); **Y10T 70/7373** (2015.04 - EP US)

Citation (search report)

- [X] US 4111014 A 19780905 - EPSTEIN NORMAN
- [X] DD 269415 A1 19890628 - BAUELEMENTE FASERBAUSTOFFE VEB [DD]
- [A] US 7370498 B1 20080513 - MIAO TONY [TW]
- [A] DE 10309224 A1 20040916 - FRANZEN SOEHNE GMBH & CO KG S [DE]
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Cited by

CN103573039A; US10801233B2; US11808066B2

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 2372054 A2 20111005; EP 2372054 A3 20170125; EP 2372054 B1 20180822; CN 102206968 A 20111005; CN 102206968 B 20141105; DE 102010013400 A1 20111006; DK 2372054 T3 20181008; TW 201202533 A 20120116; TW I512180 B 20151211; US 2011239715 A1 20111006; US 8596103 B2 20131203

DOCDB simple family (application)

EP 11002454 A 20110324; CN 201110082293 A 20110330; DE 102010013400 A 20100330; DK 11002454 T 20110324; TW 100110718 A 20110329; US 201113071782 A 20110325