

## Title (en)

Improved lock with latches having elliptical head portions

## Title (de)

Verbessertes Schloss mit Verriegelung aus elliptischen Kopfabschnitten

## Title (fr)

Verrou amélioré avec des pènes comportant de portions à tête elliptique

## Publication

**EP 2157263 A1 20100224 (EN)**

## Application

**EP 08162511 A 20080818**

## Priority

EP 08162511 A 20080818

## Abstract (en)

The present invention proposes a lock mechanism with at least one linear latching element having a head portion (13) suitable for engaging with a respective door frame lock panel slot in the direction the latch displace to lock the door. Engaging of said head portions (13) with said slots ensure that releasing of the latch by forcibly moving it in the direction of the lock assembly or door frame is prevented. The latches having a regular linear structure according to the present invention are adapted to displace in a rotational manner around their axes by means of a pin secured to the latch body and guided on a non-linear channel to effect rotation.

## IPC 8 full level

**E05B 63/12** (2006.01); **E05B 15/10** (2006.01); **E05B 59/00** (2006.01)

## CPC (source: EP)

**E05B 63/125** (2013.01); **E05B 15/108** (2013.01); **E05B 59/00** (2013.01)

## Citation (applicant)

DE 4006724 A1 19910905 - FLIETHER KARL GMBH & CO [DE]

## Citation (search report)

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- [X] FR 594438 A 19250912 - FRANCIS KEIL ET SON
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IT201700027988A1

## 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 MT NL NO PL PT RO SE SI SK TR

## Designated extension state (EPC)

AL BA MK RS

## DOCDB simple family (publication)

**EP 2157263 A1 20100224; EP 2157263 B1 20110223**; AT E499498 T1 20110315; CN 102159782 A 20110817; DE 602008005142 D1 20110407; EA 019144 B1 20140130; EA 201170343 A1 20120430; UA 98881 C2 20120625; WO 2010020631 A2 20100225; WO 2010020631 A3 20100415

## DOCDB simple family (application)

**EP 08162511 A 20080818**; AT 08162511 T 20080818; CN 200980136647 A 20090818; DE 602008005142 T 20080818; EA 201170343 A 20090818; EP 2009060658 W 20090818; UA A201103087 A 20090818