

Title (en)

AUTO LOCKED LOCK CYLINDER AFTER DESTRUCTION

Title (de)

SELBSTVERRIEGELTER SCHLIESSZYLINDER NACH DER ZERSTÖRUNG

Title (fr)

CYLINDRE DE VERROU À VERROUILLAGE AUTOMATIQUE APRÈS DESTRUCTION

Publication

EP 3680424 A1 20200715 (EN)

Application

EP 19157603 A 20190215

Priority

TW 108101050 A 20190110

Abstract (en)

A lock includes a body which includes tow collars and two lock holes that communicate with two transverse passages. The lock holes each include an elastic component and a stop pin received therein. The stop pin is tapered and includes a connection portion. Multiple notch are defined radially in the stop pin. Each transverse passage includes an elastomer and a lock pin received therein. Two transmission wheels are respectively located in the two collars and drives a cam. Two lock cylinders are respectively connected to the transmission wheels and support the lock blocks. The stop pin contacts the lock block. The connection portion is not connected to the hole, and the notch is located offset from the transverse passage. When the lock cylinder is damaged and is separated from the transmission wheel, the connection portion is connected to the hole, and cam and the transmission wheel cannot be rotated.

IPC 8 full level

E05B 17/20 (2006.01); **E05B 9/04** (2006.01); **E05B 9/10** (2006.01)

CPC (source: CN EP GB)

E05B 15/00 (2013.01 - CN); **E05B 17/2084** (2013.01 - CN); **E05B 17/2092** (2013.01 - EP GB)

Citation (search report)

- [XI] GB 2515054 A 20141217 - FED LOCK CO LTD [CN]
- [X] EP 2679749 A1 20140101 - LIU TIEN-KAO [TW]
- [Y] EP 2840204 A2 20150225 - KABA GMBH [AT]
- [Y] GB 2545389 A 20170621 - BANHAM PATENT LOCKS LTD [GB]

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 3680424 A1 20200715; CN 111425069 A 20200717; CN 111425069 B 20220603; GB 201902287 D0 20190403; GB 2580438 A 20200722; GB 2580438 B 20220323; TW 202026510 A 20200716; TW I666369 B 20190721

DOCDB simple family (application)

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