

Title (en)
Manipulation-proof electronic lock

Title (de)
Manipulationsgesichertes elektronisches Schloss

Title (fr)
Serrure électronique protégée contre la manipulation

Publication
EP 2400083 A1 20111228 (DE)

Application
EP 10006563 A 20100624

Priority
EP 10006563 A 20100624

Abstract (en)
The electronic lock (1) has a locking bolt (6), where a locking member (5) is arranged in an associated latch adjustable device. A locking element (10) is co-operated with the locking member, which is protected by a tamper-resistance element. A button-trap is designed in the locking element, and is formed by multiple grooves. The tamper-resistance element is made of manganese. A fiber component of the tamper-resistance element is made of fiberglass, carbon fiber or Kevlar(RTM: para-aramid synthetic fiber).

Abstract (de)
Die Erfindung betrifft ein elektronisches Schloss, insbesondere Sicherheitsschloss, mit einem Schlossriegel (6), einer damit verbundenen Riegelverstelleinrichtung (9), einem an der Riegelverstelleinrichtung (9) angeordneten Sperrglied (5) und einem mit dem Sperrglied (5) zusammenwirkenden Sperrelement (10), wobei das Sperrglied (5) durch wenigstens ein Manipulationswiderstandselement (52) abgesichert ist.

IPC 8 full level
E05B 15/16 (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)
E05B 15/0086 (2013.01); **E05B 15/1614** (2013.01); **E05B 47/0011** (2013.01); **E05B 47/0657** (2013.01); **E05B 17/2084** (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0086** (2013.01)

Citation (applicant)
WO 2009039899 A1 20090402 - STEINBACH & VOLLMANN [DE], et al

Citation (search report)
• [XY] EP 0730073 A2 19960904 - KABA SCHLIESSSYSTEME AG [CH]
• [YA] DE 29702743 U1 19970410 - DORMA GMBH & CO KG [DE]
• [YA] EP 1424459 A2 20040602 - IKON GMBH PRAEZ STECHNIK [DE]
• [XA] US 5142890 A 19920901 - UYEDA ALAN K [US], et al
• [X] US 4056276 A 19771101 - JARVIS KENNETH W
• [A] AU 526432 B2 19830113 - GUYMER R G
• [A] DE 1036703 B 19580814 - ARNO KESSEL
• [AD] WO 2009039899 A1 20090402 - STEINBACH & VOLLMANN [DE], et al
• [A] WO 0212665 A1 20020214 - SENSORMATIC ELECTRONICS CORP [US]

Cited by
WO2020002760A1; CN112469878A; US11619068B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2400083 A1 20111228; EP 2400083 B1 20130102; ES 2408689 T3 20130621; RU 2011125690 A 20121227

DOCDB simple family (application)
EP 10006563 A 20100624; ES 10006563 T 20100624; RU 2011125690 A 20110623