

Title (en)
LOCK WHICH CAN BE UNLOCKED IN AN ELECTRICALLY AUTOMATED MANNER, IN PARTICULAR FOR STORAGE SYSTEMS LIKE LOCKERS

Title (de)
ELEKTRISCH AUTOMATISIERT ENTRIEGELBARES SCHLOSS, INSBESONDERE FÜR SCHLISSFACHARTIGE AUFBEWAHRUNGSSYSTEME

Title (fr)
SERRURE DÉVERROUILLABLE À AUTOMATISME ÉLECTRIQUE, EN PARTICULIER POUR SYSTÈMES DE GARDE À CASIERS

Publication
EP 2176477 B1 20110713 (DE)

Application
EP 08782798 A 20080725

Priority
• AT 2008000269 W 20080725
• DE 102007035218 A 20070725

Abstract (en)
[origin: US2010139338A1] The invention relates to a lock (1) which can be released on an electrically automated basis, in particular for use with locker-type storage systems. A lock element (9) which can be introduced into the lock (1) is provided, which lock element (9) can be blocked in the lock (1) and thus holds a locker door (2) fixedly connected to the lock element (9) in the closed position. A lock pawl (14) which can be displaced in rotation to a limited degree is also provided, which engages with the lock element (9), either directly or indirectly via at least one displaceably mounted coupling element (12). The key feature of this is that the portion of a point of force transmission (33') for the locking force transmitted to the lock pawl (14) is designed so that a positively-induced and abutment-induced transmission of forces and pulses from the lock element (9) or from a coupling element (12) optionally mounted in between to the lock pawl (14) is directed almost exclusively radially to its pivot axis (31) and any tangential force or impulse components which occur can be transmitted almost exclusively due to frictional forces at the point of force transmission (33'). This results in increased protection against the effects of tampering from outside.

IPC 8 full level
E05B 47/06 (2006.01); **E05B 65/12** (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP US)
E05B 47/0004 (2013.01 - EP US); **E05B 47/023** (2013.01 - EP US); **E05B 47/0607** (2013.01 - EP US); **E05B 47/0696** (2013.01 - EP US); **E05B 2047/0069** (2013.01 - EP US); **E05B 2047/0093** (2013.01 - EP US); **Y10T 70/5097** (2015.04 - EP US); **Y10T 70/65** (2015.04 - EP US); **Y10T 70/7062** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by
WO2014176619A1; EP2792827A3; DE102013111226B4; DE202012104042U1; DE102013111226A1; DE102013104495A1; US9777514B2

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

DOCDB simple family (publication)
US 2010139338 A1 20100610; US 8757677 B2 20140624; AT E516416 T1 20110715; CN 101802328 A 20100811; CN 101802328 B 20130508; DE 102007035218 A1 20090129; EP 2176477 A1 20100421; EP 2176477 B1 20110713; PL 2176477 T3 20111230; WO 2009012512 A1 20090129

DOCDB simple family (application)
US 45278108 A 20080725; AT 08782798 T 20080725; AT 2008000269 W 20080725; CN 200880107163 A 20080725; DE 102007035218 A 20070725; EP 08782798 A 20080725; PL 08782798 T 20080725