

Title (en)
HIGH SECURITY LOCK

Title (de)
HOCHSICHERHEITSSCHLOSS

Title (fr)
VERROU DE SÉCURITÉ ÉLEVÉE

Publication
EP 2971415 A4 20161102 (EN)

Application
EP 14773198 A 20140124

Priority
• US 201313828141 A 20130314
• US 2014012898 W 20140124

Abstract (en)
[origin: WO2014158325A1] A high security lock (10) includes a lock bolt (54) movable between extended and retracted positions, a bolt retraction gear (68) coupled to the lock bolt (54), and a manually-driven gear. When a controller verifies that user-input information is correct for unlocking the lock (10), the bolt retraction gear (68) and manually-driven gear (78) are operatively coupled such that the gears (68, 78) can drive the lock bolt (54) from the extended position to the retracted position.

IPC 8 full level
E05B 65/00 (2006.01); **E05B 47/06** (2006.01); **E05B 9/00** (2006.01); **E05B 9/08** (2006.01); **E05B 17/22** (2006.01); **E05B 37/00** (2006.01); **E05B 47/00** (2006.01); **E05B 63/06** (2006.01)

CPC (source: EP)
E05B 47/0676 (2013.01); **E05B 65/0075** (2013.01); **E05B 65/0082** (2013.01); **E05B 9/00** (2013.01); **E05B 9/082** (2013.01); **E05B 17/226** (2013.01); **E05B 37/00** (2013.01); **E05B 47/0012** (2013.01); **E05B 63/06** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0021** (2013.01); **E05B 2047/0031** (2013.01)

Citation (search report)
• [IA] US 6341513 B1 20020129 - CHEN YUNG-YUAN [TW]
• [A] EP 0552115 A1 19930721 - C & M TECHNOLOGY INC [US]
• [A] WO 8904413 A1 19890518 - UNIQEY HOLDINGS [GB]
• [A] US 5265452 A 19931130 - DAWSON GERALD L [US], et al
• See references of WO 2014158325A1

Cited by
CN111279039A; US11408205B2

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

DOCDB simple family (publication)
WO 2014158325 A1 20141002; CA 2901205 A1 20141002; EP 2971415 A1 20160120; EP 2971415 A4 20161102; EP 2971415 B1 20191016; JP 2016510846 A 20160411; JP 2019090312 A 20190613; JP 6506246 B2 20190424; JP 6756811 B2 20200916

DOCDB simple family (application)
US 2014012898 W 20140124; CA 2901205 A 20140124; EP 14773198 A 20140124; JP 2016500177 A 20140124; JP 2018244611 A 20181227