

Title (en)
ELECTRONIC LOCK

Title (de)
ELEKTRONISCHES SCHLOSS

Title (fr)
VERROU ÉLECTRONIQUE

Publication
EP 3270357 A1 20180117 (EN)

Application
EP 16179557 A 20160714

Priority
EP 16179557 A 20160714

Abstract (en)
The present invention proposes an electronic lock (15) comprising, a cylinder body (1) having a first cylinder half (14a) and second cylinder half (14b), a plug (8) rotatable within said cylinder body (1), said cylinder plug (8) having a keyway for receiving a key, a release assembly within the cylinder body (1), said release assembly having a retention pin (3) which selectively engages the plug to prevent the rotation thereof and disengages the plug (8) in response to an actuating signal to allow the rotation thereof. According to the present invention said electronic lock (15) further comprises, an antenna (4) for light-frequency detection receiving data from an electronic circuit (9) which is placed at a shaft of the key when the key (11) is inserted into the keyway fully; an solenoid-activated actuator (2) for housing and driving said retention pin (3) downwardly or upwardly according to the longitudinal axis of the electronic lock (X) and an electronic card (12) compares the data read from the antenna (4) with data stored in the memory itself, such that if the data received from the antenna is found to be acceptable, the electronic card (12) provides an output signal the solenoid-activated actuator (2) to set the electronic lock (15) in an open or locked condition.

IPC 8 full level
G07C 9/00 (2006.01)

CPC (source: EA EP)
G07C 9/00944 (2013.01 - EA EP); **G07C 2009/00785** (2013.01 - EA EP); **G07C 2009/00952** (2013.01 - EA EP);
G07C 2009/00992 (2013.01 - EA EP)

Citation (search report)

- [X] US 6442985 B1 20020903 - WATANUKI YOSHIO [JP], et al
- [I] US 2003084691 A1 20030508 - KATO YOSHIHITO [JP], et al
- [I] US 2002189307 A1 20021219 - GOKCEBAY ASIL T [US], et al
- [A] US 2002134120 A1 20020926 - DAVIS PAUL R [US]
- [I] EP 2017795 A1 20090121 - ILOQ OY [FI]

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 3270357 A1 20180117; **EP 3270357 B1 20190313**; EA 201990241 A1 20190628; ES 2729248 T3 20191031; PL 3270357 T3 20190930;
UA 123516 C2 20210414; WO 2018011388 A1 20180118

DOCDB simple family (application)
EP 16179557 A 20160714; EA 201990241 A 20170714; EP 2017067817 W 20170714; ES 16179557 T 20160714; PL 16179557 T 20160714;
UA A201901203 A 20170714