

Title (en)  
ELECTRONIC LOCK

Title (de)  
ELEKTRONISCHES SCHLOSS

Title (fr)  
VERROU ÉLECTRONIQUE

Publication  
**EP 3270357 A1 20180117 (EN)**

Application  
**EP 16179557 A 20160714**

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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)

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Citation (search report)  
• [X] US 6442985 B1 20020903 - WATANUKI YOSHIO [JP], et al  
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• [I] US 2002189307 A1 20021219 - GOKCEBAY ASIL T [US], et al  
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