

Title (en)  
ELECTRONIC SECURITY SYSTEM WITH NOVEL ELECTRONIC T-HANDLE LOCK

Title (de)  
ELEKTRONISCHES SICHERHEITSSYSTEM MIT ELEKTRONISCHEM T-SCHLOSS

Title (fr)  
SYSTEME DE SECURITE ELECTRONIQUE COMPORTANT UN NOUVEAU DISPOSITIF DE VERROUILLAGE ELECTRONIQUE EN T

Publication  
**EP 0688491 B1 20030806 (EN)**

Application  
**EP 94911454 A 19940303**

Priority  
• US 9402322 W 19940303  
• US 2678193 A 19930305

Abstract (en)  
[origin: WO9421089A1] An electronic security system includes an electronic lock mechanism (104) and an electronic key (101), each of which is provided with a microprocessor controller and a memory storing data including an ID code and encryption key codes. The lock microprocessor may either change ID codes stored in it's memory or encrypt a seed number to be used for determining access to the lock. The key can only be used to access the lock either once or for a limited number of successive times, and must thereafter be reprogrammed by a host computer (301) to be loaded with either the proper ID code or the appropriate encryption key code for that lock. The electronic lock operates a solenoid (1624) which retracts a bolt-blocking mechanism that prevents the unlocking of the bolt even when a key having the correct mechanical key cuts is inserted into the lock. Power for operating the electronic lock as well as the solenoid is provided by a power supply within the key. In a preferred embodiment the key unit is composed of a handheld computer with a separate internal circuit board which stores key code information and performs encryption/decryption functions. A novel electronic T-lock (1340) assembly is also provided for use with vending machines and the like.

IPC 1-7  
**H04Q 1/00**; E05B 55/08

IPC 8 full level  
**G07C 9/00** (2006.01); E05B 5/00 (2006.01)

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**E05B 5/003** (2013.01 - EP); **G07C 2009/00412** (2013.01 - EP); **G07C 2009/00468** (2013.01 - EP); **G07C 2009/00476** (2013.01 - EP);  
**G07C 2009/00761** (2013.01 - EP); **G07C 2009/0088** (2013.01 - EP); **G07C 2209/08** (2013.01 - EP)

Citation (examination)  
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**WO 9421089 A1 19940915**; AT E246866 T1 20030815; CA 2157480 A1 19940915; CA 2157480 C 19990525; DE 69433008 D1 20030911;  
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