

Title (en)
PROGRAMMABLE ELECTRONIC LOCKING DEVICE

Title (de)
PROGRAMMIERBARE ELEKTRONISCHE VERSCHLUSSEINRICHTUNG

Title (fr)
DISPOSITIF ELECTRONIQUE DE FERMETURE PROGRAMMABLE

Publication
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Application
EP 96901007 A 19960103

Priority
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• FR 9500822 A 19950125

Abstract (en)
[origin: WO9623122A1] A programmable electronic locking device comprising a lock (12) operated by means of a key (18) when a match is found between a lock identification code and a related key identification code. The lock comprises a plug (14) with a portion (14A) provided with at least one aperture (16) for receiving the key (18). The plug comprises at least one electrical connection means (39), an electronic control means with at least one memory means for storing at least one identification code, said means being connected to the one or more electrical connection means, and an unlocking means responsive to the electronic control means for unlocking the lock. The key comprises a first electrical connection means (19) engageable with the electrical connection means of the lock when the key is inserted into the corresponding aperture (16), a first electronic control means comprising at least one first memory means for storing at least one identification code, said means being connected to the first electrical connection means for transmitting an unlocking command to the lock, and a programming means controllable by a confidential code input means to alter the data in each of the electronic key and lock control means. A power supply means supplies power to the electronic key and lock control means and the plug unlocking means. A lock, a plug and a multifunctional key for use in said programmable electronic device are also disclosed.

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Cited by
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FR 9600003 W 19960103; AR 33516296 A 19960124; AT 96901007 T 19960103; AU 4490096 A 19960103; BG 10179597 A 19970725; BR 9606857 A 19960103; CA 2211256 A 19960103; CN 96191603 A 19960103; CZ 238897 A 19960103; DE 69608665 T 19960103; EA 199700138 A 19960103; EA 199700138 D 19970822; EE 9700158 A 19960103; EG 6496 A 19960123; EP 96901007 A 19960103; ES 96901007 T 19960103; FI 973026 A 19970717; FR 9500822 A 19950125; HU P9702401 A 19960103; IL 11671496 A 19960109; JO P19961886 A 19960124; JP 52265996 A 19960103; KR 19970705078 A 19970725; KR 19977005078 A 19970725; MA 24132 A 19960118; MX 9705614 A 19970724; NO 973420 A 19970724; NZ 30022896 A 19960103; OA 70056 A 19970725; PL 32153796 A 19960103; RO 9701370 A 19960103; SK 97797 A 19960103; TN SN96012 A 19960124; TR 9700690 T 19960103; TW 85100237 A 19960110; UA 97073952 A 19960103; US 89421797 A 19970721; ZA 96166 A 19960110