

Title (en)
Electric permutation lock.

Title (de)
Elektrisches Permutationsschloss.

Title (fr)
Serrure à permutation électrique.

Publication
EP 0493298 A2 19920701 (EN)

Application
EP 91600012 A 19911127

Priority
GR 90100830 A 19901129

Abstract (en)
Electronic-mechanical, multi-point door locking system that secures every kind of door in its closed position, which means a high security lock and it consists of the locking crook mechanism (20) with the locking tap (21), of the Central Electronic Unit of Control and Unlocking (22) and of the system of the codified access commands (23) with the electronic-like key (24) or a key-pad. Also, method by which the strength of a hinged door panel is increased, as it locks in its closed position, using the reinforcement bars (49) which are fixed across the door panel width and their projected ends are fasten into the stationery vertical strong elements of the door frame on where any breaking force of the door is transferred. The locking crook mechanism with the locking tap is the mechanical and also the principal part of the present lock, is very small in size but it is very strong, more than one units can be fixed in the movable or in the stationary part of the door and on the most proper places which can be selected, even on unapproachable ones, and thus many locking points are provided, like to being fitted many conventional locks in the same door. The mechanism can fit to all doors, even to the existing ones, hinged or sliding, in spite of the material that are made of and also it locks automatically whenever the door closes and unlocks by electronic or mechanical way. The electronic way of unlocking ensures high security as there is only one valid access combination number among hundred thousands, or millions, possible ones by which the present lock can to unlock the door and also the Central Control Unit, which is of digital technology, is functioning by a sophisticate way against burglary, it includes alarm system, prevents the detection of the combination number and also assimilates electronically, all functions of a conventional lock. The access combination number loaded in the memory of the Electronic Control Unit is not erased during lack of power and can be set by the user as often as it desirable and the electronic-like key can be set for every individual combination number of any present lock. Instead of the electronic key or in combination with, the access command system is also operated by a key-pad, or central alarm system, or computer, or a magnetic data card, from a remote location by cables or wireless, or by any other means that suits to a specific application. The power consumption of the present lock is extremely low and thus the power supply is by a long lasting integral battery, which is rechargeable, automatically, from mains but also is by a socket that there is on the key-hole or on the key-pad. The present lock eliminates the disadvantages of the conventional lock, none of its critical parts is disposed to anyone and if it is used in combination with the method of the door panel reinforcement, makes any door, even an existing one, to withstand to any common way of burglary and also, as it is owning many more advantages, the frontiers for the use of a lock are extended. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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