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54 **Electric permutation lock.**

57 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.

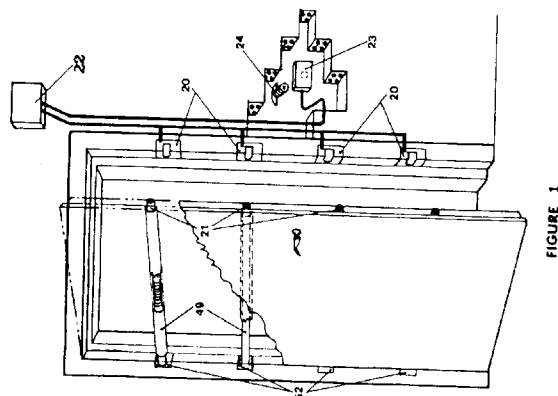


FIGURE 1



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number

EP 91 60 0012

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	EP-A-0 333 588 (SURZUR) * column 2, line 24 - column 3, line 23; figures 1-3 *	1	E05B49/00 E05C3/24
A	----	8,9	
Y	FR-A-2 529 937 (MALBRANQUE) * page 3, line 16 - page 5, line 14; figures 1-3 *	1	
A	----	2,3	
A	US-A-2 146 379 (REDIGER) * page 1, column 1, line 34 - page 2, column 1, line 37; figures 1-4 *	1,6	
A	GB-A-1 574 763 (SWALLOW) * page 2, line 7 - line 43; figures 1,3 *	1,4,5,7	
A	GB-A-2 072 742 (LUTZ, STANGL) * page 3, line 65 - page 4, line 2; figures 2-4 *	1,10	
A	FR-A-2 466 056 (BERMAN) * page 4, line 32 - page 12, line 22; figures 1-3 *	1,9,10	TECHNICAL FIELDS SEARCHED (Int. Cl.5)  E05B E05C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 FEBRUARY 1993	Examiner HERBELET J.C.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  -----  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P0601)

<input checked="" type="checkbox"/>	CLAIMS INCURRING FEES
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☒ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,  
namely:

namely claims: