

Title (en)  
Electromechanical lock.

Title (de)  
Elektromechanisches Schloss.

Title (fr)  
Serrure électromécanique.

Publication  
**EP 0148701 A2 19850717 (FR)**

Application  
**EP 84402728 A 19841227**

Priority  
FR 8400385 A 19840112

Abstract (en)  
1. An electromechanical lock comprising a bolt (2) having a first notch (28), means (5) with a spring (50) for translating the bolt forwards in the direction of a keeper (G), a turning plug (4) perpendicular to the bolt (2), having an arm (40) which cooperates with the first notch (28), and an electromagnet (3) having a coil (31) capable of being connected to an electrical source and a core (30) which enters the coil, characterized in that it comprises mechanical means (33) integral with the core (30), which cooperate by sliding with the bolt (2) in order to forbid a return movement of the bolt (2) before complete withdrawal of the head (20) of the bolt from the keeper (G) when the coil (31) is energized and in order to allow free translation of the bolt (2) when the coil (31) is no longer being energized, the source supplying to the coil a current which is just that necessary for exerting upon the core (30) a force of attraction equal to or substantially greater than the weight of the core (30) and the mechanical means (33) when the core is in a position of maximum penetration (adhering) into the coil (31), the said current being insufficient for pulling the core (30) into the coil (31) when the core is not substantially in the said position.

Abstract (fr)  
Serrure à électroaimant (3) ayant une bobine (31) susceptible d'être alimentée notamment à distance par une source électrique et un noyau (30, 33) plongeant dans la bobine. La serrure comprend un ergot solidaire du noyau et coopérant à glissement avec une encoche en V (24) du pêne (2) et un piston (37) rappelé vers une encoche inférieure (260-261) du pêne (2) par un ressort (36) inclus dans une chambre (334) solidaire du noyau, pour condamner un recul du pêne (2) avant le retrait complet de la tête (20) du pêne de la gâche (G) de la serrure lorsque la bobine (31) est alimentée et pour permettre la translation libre du pêne (2) lorsque la bobine (31) n'est plus alimentée. La source fournit à la bobine un courant juste nécessaire pour maintenir le noyau (30) dans la bobine (31), ce qui confère une consommation en courant faible de la serrure.

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**E05B 47/06**

IPC 8 full level  
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CPC (source: EP)  
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