

Title (en)  
Electric lock for a vehicle door.

Title (de)  
Elektrisches Schloss für Kraftfahrzeugtür.

Title (fr)  
Serrure à commande électrique pour portière de véhicule automobile.

Publication  
**EP 0102263 A1 19840307 (FR)**

Application  
**EP 83401440 A 19830712**

Priority  
FR 8213863 A 19820809

Abstract (en)  
1. A latch of the type comprising a case (1) for the latch mechanism (2), a keeper (4) which is movable relative to the case, an actuating element (21) adapted to release the latch mechanism (2) and the keeper (4) for the purpose of opening the door, driving means (28, 31) coupled to the actuating element (21) to permit the automatic control of this latch and means (6, 7, 8) for reducing the transmission ratio of the force exerted on said actuating element (21) by the keeper when opening the latch, these ratio reducing means comprising a series of three links (6, 7, 8) pivoted together, the intermediate link (7) being provided with means (13) for hooking the keeper and the end links (6, 8) being pivoted to the case (1) to pivot about respective axes which are parallel to each other and to the pivot axes of the intermediate link, while one of the end links (8) cooperates, for the locking of the latch, with the actuating element (21) by means of at least one stop step (23, 24), characterized in that said stop step (23, 24) is provided on the actuating element (21) and cooperates with a locking finger member (25) provided on the corresponding end link (8) and said driving means comprise an electric motor (31) having a rotating shaft which is adapted to act on said actuating element (21) through a transmission (30, 28, 27) converting the movement of rotation of this shaft into a movement in a plane of said actuating element (21).

Abstract (fr)  
Cette serrure comprend un train de trois biellettes qui sont articulées les unes sur les autres et dans le boîtier (1) de la serrure pour servir de dispositif démultiplicateur de l'effort exercé par la gâche sur la biellette intermédiaire. Cette dernière est destinée à retenir la gâche lorsque la serrure est fermée. Pour assurer une commande de déverrouillage automatique, il est prévu un moteur électrique (31), une roue dentée (28) et un levier d'actionnement (21) pivotant sous l'action du moteur. En pivotant, ce levier libère un doigt de blocage (25) couplé à l'une des biellettes du train de biellettes. Un dispositif (35) de déverrouillage de secours est également prévu.

IPC 1-7  
**E05B 47/00**; **E05B 65/32**

IPC 8 full level  
**E05B 65/36** (2006.01)

CPC (source: EP)  
**E05B 77/48** (2013.01)

Citation (search report)  
• [AD] FR 2439284 A1 19800516 - PEUGEOT ACIERS ET OUTIL, et al  
• [A] FR 2098870 A5 19720310 - MECANISMES COMP IND DE

Cited by  
GB2250773A; EP1008711A1; FR2786801A1; EP0302642A1; US4986098A

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**EP 83401440 A 19830712**; DE 3361852 T 19830712; ES 274254 U 19830808; FR 8213863 A 19820809