

Title (en)  
Motor vehicle lock

Title (de)  
Kraftfahrzeugschloss

Title (fr)  
Serrure de véhicule automobile

Publication  
**EP 1335086 A1 20030813 (FR)**

Application  
**EP 03290299 A 20030206**

Priority  
FR 0201699 A 20020212

Abstract (en)  
The vehicle door lock provides both electrical operation and mechanical operation, the second system being capable of disengagement from the lock. A low power motor is provided for operation, and a mechanical system may be engaged to operate the lock when the motor system cannot cope. The vehicle door lock provides both electrical operation and mechanical operation, the two processes being independent of each other. The mechanical operation may be engaged, or disengaged from the door lock. In normal operation the lock is operated by an electric motor (28), but if the lock is damaged or degraded, then the mechanical system is engaged. The motor for normal operation is sized for normal operation of the lock, and is not over-sized to cope with possible operation in damaged conditions. A second emergency motor (44) is provided in order to engage the mechanical linkage. This motor is of much lower power than the main motor, operating only to engage the mechanism.

Abstract (fr)  
Une serrure pour véhicule automobile s'ouvre en mode de fonctionnement normal grâce à un moteur électrique (28). En mode dégradé, l'ouverture mécanique de la serrure est embrayée. Ainsi, le moteur (28) assurant l'ouverture électrique de la serrure est simplement dimensionné pour une ouverture en fonctionnement normal et n'a pas à être surdimensionné pour permettre une ouverture en mode dégradé. Comme l'ouverture de la serrure est mécanique dans le mode dégradé, l'embrayage est assuré par un moteur de secours (44) à faible puissance. Ceci permet d'utiliser une alimentation de secours compacte et peu onéreuse. <IMAGE>

IPC 1-7  
**E05B 65/12**

IPC 8 full level  
**E05B 65/20** (2006.01); **B60J 5/00** (2006.01); **E05B 65/12** (2006.01)

CPC (source: EP US)  
**E05B 77/12** (2013.01 - EP US); **E05B 77/30** (2013.01 - EP US); **E05B 81/14** (2013.01 - EP US); **E05B 81/82** (2013.01 - EP US); **E05B 77/26** (2013.01 - EP US); **E05B 77/28** (2013.01 - EP US); **E05B 81/86** (2013.01 - EP US); **E05B 85/01** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1048** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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**EP 1335087 A1 20030813**; EP 1335086 A1 20030813; FR 2835867 A1 20030815; FR 2835867 B1 20040820; JP 2003262064 A 20030919; JP 2003269029 A 20030925; US 2003164616 A1 20030904; US 2003178859 A1 20030925; US 6883839 B2 20050426

DOCDB simple family (application)  
**EP 03290300 A 20030206**; EP 03290299 A 20030206; FR 0201699 A 20020212; JP 2003033578 A 20030212; JP 2003033942 A 20030212; US 36501003 A 20030212; US 36502403 A 20030212