

Title (en)

Mechanical actuation unit of lock for a door of a motor vehicle, and lock provided with said mechanical actuation unit

Title (de)

Mechanische Betätigungseinheit für ein Kraftfahrzeugtürschloss, und ein Schloss mit einer solchen Betätigungseinheit

Title (fr)

Unité d'actionnement mécanique pour une serrure de porte d'un véhicule automobile et serrure comportant une telle unité

Publication

EP 1518984 A1 20050330 (EN)

Application

EP 04104505 A 20040917

Priority

IT TO20030723 A 20030919

Abstract (en)

A mechanical actuation unit (1) of a lock (2) for a door of a motor vehicle is provided with an opening mechanism (33) controlled to release an internal mechanism (62), which is designed to be connected to the inside handle of the door and is rotatable starting from a position at rest along an opening travel path against the elastic action of a return spring (71), to control the opening mechanism (33) and open the door; the mechanical actuation unit (1) is also provided with a principal inhibiting device (73), which can be activated selectively to make opening of the door from the outside ineffective; the return spring (71) of the internal control lever (62) has a first and a second stop portion (98), which are designed respectively to deactivate the principal inhibiting device (73) following rotation of the inside control lever (62) and to obstruct activation of the principal inhibiting device (73) when the door is open. <IMAGE>

IPC 1-7

E05B 65/20

IPC 8 full level

E05B 83/36 (2014.01); **E05B 15/04** (2006.01); **E05B 65/20** (2006.01); **E05B 77/30** (2014.01)

CPC (source: EP)

E05B 81/06 (2013.01); **E05B 81/36** (2013.01); **E05B 83/36** (2013.01); **E05B 77/16** (2013.01); **E05B 77/24** (2013.01); **E05B 77/30** (2013.01)

Citation (search report)

- [X] GB 2259734 A 19930324 - BOCKLENBERG & MOTTE BOMORO [DE]
- [X] EP 1213422 A2 20020612 - MERITOR LIGHT VEHICLE SYS LTD [GB]
- [X] US 5921595 A 19990713 - BRACKMANN HORST [DE], et al
- [A] EP 0632178 A1 19950104 - ROLTRA MORSE SPA [IT]

Cited by

US11220850B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1518984 A1 20050330; **EP 1518984 B1 20161207**; BR PI0403977 A 20050614; BR PI0403977 B1 20150707; IT TO20030723 A1 20050320

DOCDB simple family (application)

EP 04104505 A 20040917; BR PI0403977 A 20040917; IT TO20030723 A 20030919