

Title (en)

Actuation device for an electric vehicle lock system and/or for a lock of a door, lid or similar of a vehicle

Title (de)

Vorrichtung zum Betätigen eines elektrischen Schliesssystems und/oder eines in der Tür oder Klappe oder dergleichen eingebauten Schlosses für Kraftfahrzeuge

Title (fr)

Dispositif d'actionnement pour un système de verrouillage électrique d'un véhicule et/ou pour une serrure de porte, de hayon ou similaire d'un véhicule

Publication

**EP 1460204 A3 20080130 (DE)**

Application

**EP 04004206 A 20040225**

Priority

DE 10309148 A 20030302

Abstract (en)

[origin: EP1460204A2] A transmitter (13) is integrated into the handle (6). The associated receiver (14) is integrated into the vehicle. The transmitter is supplied with energy from a piezoelectric generator (7, 17, 21) in the handle.

IPC 8 full level

**E05B 7/00** (2006.01); **E05B 17/22** (2006.01); **E05B 47/00** (2006.01); **E05B 65/20** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)

**E05B 81/78** (2013.01); **G07C 9/00309** (2013.01); **G07C 2209/65** (2013.01)

Citation (search report)

- [A] EP 1103432 A1 20010530 - BOSCH GMBH ROBERT [DE]
- [A] WO 9928170 A1 19990610 - BOSCH GMBH ROBERT [DE], et al
- [A] WO 0140607 A1 20010607 - BOSCH GMBH ROBERT [DE], et al

Cited by

EP1674641A1; DE102014115250A1; DE102006042152A1; US9834964B2; DE102019124994A1; EP3054069A1; EP3428889A1; US10697224B2; US10422166B2; US10494838B2; WO2006069633A1; US10227810B2; US10584526B2; US10907386B2; US10267068B2; US9995065B2; US10458171B2; US11180943B2; US10323442B2; US10329823B2; US10934760B2; US10526821B2; US10316553B2; US10563436B2; US10301855B2; US10604970B2; EP3795786A1; US10119308B2; US10273725B2; US10377343B2; US11466484B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

**EP 1460204 A2 20040922**; **EP 1460204 A3 20080130**; **EP 1460204 B1 20090401**; AT E427398 T1 20090415; DE 10309148 A1 20040923; DE 502004009254 D1 20090514

DOCDB simple family (application)

**EP 04004206 A 20040225**; AT 04004206 T 20040225; DE 10309148 A 20030302; DE 502004009254 T 20040225