

Title (en)

DEVICE FOR AUTOMATICALLY UNLOCKING AN OPENABLE PANEL OF A MOTOR VEHICLE

Title (de)

EINRICHTUNG ZUM AUTOMATISCHEN ENTRIEGELN EINES ÖFFNUNGSFÄHIGEN PANELS EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF DE DÉVERROUILLAGE AUTOMATIQUE D'UN OUVRANT DE VÉHICULE AUTOMOBILE

Publication

EP 2350984 B1 20200311 (FR)

Application

EP 09817300 A 20091001

Priority

- EP 2009062771 W 20091001
- FR 0805457 A 20081001

Abstract (en)

[origin: WO2010037821A1] The present invention relates to a device for automatically locking and/or unlocking at least one openable panel (3) of a motor vehicle (1) comprising a remote-opening system (4) comprising a central processing unit (5) designed to be installed inside the vehicle, and a portable identification element (17), said central processing unit (5) being capable of authenticating by radiofrequency the portable identification element (17). Said device further comprises means (13) for the remote optical recognition of a predetermined movement of part of the body for locking and/or unlocking said openable panel or panels in front of which the movement has been executed in the event of positive recognition of the movement and in that the central processing unit comprises activation means (11) for activating said remote optical recognition means (13) when the portable identification element (17) is located within a predefined perimeter (19) around the vehicle (1).

IPC 8 full level

G07C 9/00 (2020.01); **B60R 25/01** (2013.01); **B60R 25/24** (2013.01); **B60R 25/31** (2013.01); **B60R 25/40** (2013.01)

CPC (source: EP US)

G07C 9/00309 (2013.01 - EP US); **E05F 15/73** (2015.01 - EP US); **E05Y 2400/852** (2013.01 - EP US); **E05Y 2400/858** (2013.01 - EP US); **G07C 2009/00373** (2013.01 - EP US); **G07C 2009/00587** (2013.01 - EP US); **G07C 2209/64** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

FR 2936546 A1 20100402; **FR 2936546 B1 20170310**; CN 102239508 A 20111109; CN 105184921 A 20151223; EP 2350984 A1 20110803; EP 2350984 B1 20200311; JP 2012504717 A 20120223; JP 5663729 B2 20150204; MX 2011003475 A 20110428; MY 159081 A 20161215; US 2011210821 A1 20110901; WO 2010037821 A1 20100408

DOCDB simple family (application)

FR 0805457 A 20081001; CN 200980148206 A 20091001; CN 201510510974 A 20091001; EP 09817300 A 20091001; EP 2009062771 W 20091001; JP 2011529557 A 20091001; MX 2011003475 A 20091001; MY PI2011001394 A 20091001; US 200913120595 A 20091001