

Title (en)

AN AUXILIARY OPENING AND CLOSING DEVICE FOR "AUTOMOTIVE" FIELD

Title (de)

ZUSÄTZLICHE OFFEN- UND SCHLIESS- VORRICHTUNG FÜR DAS AUTOMOBILGEBIET

Title (fr)

DISPOSITIF SUPPLÉMENTAIRE D'OUVERTURE ET FERMETURE POUR LE DOMAINE AUTOMOBILE

Publication

**EP 2995754 A1 20160316 (EN)**

Application

**EP 15184808 A 20150911**

Priority

IT RM20140517 A 20140911

Abstract (en)

An auxiliary device for opening and closing the loading compartment of a motor vehicle, which can be installed on the back door of the vehicle, comprises: an anchoring plate (4) installed on the fixed side (PF) of the back door, and an anchoring plate (3) installed on the mobile side (PM) of the back door; a case (1) that protects and completes the entire device, said case (1) being hinged to the anchoring plate (3) of the mobile side (PM) of the back door; an engagement and release system constituted by a fixed plate (10) and a mobile plate (9), which is connected to a cylinder (6) rotatable with a key (2), and a thrust spring (7) set on the case (1) of the mobile side (PM) of the back door, and by a mobile shaped hook (5), provided with spring-operated return means, which is mounted on the anchoring plate (4) of the fixed side (PF) of the back door; as well as a removable armoured hinge (8), with a system for protection against non-authorized removal, made up of an appropriately shaped and structured pin with breakable head (13) and a groove for an anti-removal safety Allen screw (14); a chip (11) fixed within the case (1) hinged on the anchoring plate (3) of the mobile side (PM) of the back door; and a feeler (12) appropriately shaped with elastic electric contacts fixed on the anchoring plate (4) of the fixed side (PF) of the back door and electrically connected to a processor (CPU) set on the fixed side (PF) of the back door or in the loading compartment.

IPC 8 full level

**E05B 63/00** (2006.01); **E05B 83/12** (2014.01); **E05B 81/72** (2014.01)

CPC (source: EP)

**E05B 63/0004** (2013.01); **E05B 83/12** (2013.01); **E05B 81/72** (2013.01)

Citation (search report)

- [IA] DE 29502424 U1 19950323 - STEINBACH & VOLLMANN [DE]
- [IA] US 2004069023 A1 20040415 - MASSETH JAMES E [US], et al
- [A] US 3412586 A 19681126 - BERNARD STERNER

Cited by

CN110685498A; EP3255229A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2995754 A1 20160316; EP 2995754 B1 20190424**

DOCDB simple family (application)

**EP 15184808 A 20150911**