

Title (en)
RELEASE APPARATUS FOR DOORS OF VEHICLES

Title (de)
ÖFFNUNGSMECHANISMUS FÜR FAHRZEUGTÜRE

Title (fr)
DISPOSITIF D'OUVERTURE POUR PORTES DE VÉHICULES

Publication
EP 3181784 A1 20170621 (EN)

Application
EP 15425108 A 20151214

Priority
EP 15425108 A 20151214

Abstract (en)
A release apparatus for doors of vehicles, of the type of vans, trucks, lorries, semi-trailer trucks, trailers and the like, which comprises a base structure (2) which can be stably coupled to the door and a handle assembly (3), which can in turn be associated with respective means of anchoring to the frame of the vehicle. The handle assembly (3) is rotatable with respect to the structure (2) between at least one locked configuration, in which the anchoring means can be engaged with the frame of the vehicle, and at least one released configuration, in which the anchoring means are disengaged from the frame of the vehicle, in order to allow the free rotation of the door. Furthermore, the handle assembly (3) is rotatably coupled, by way of a respective articulation device (4), to a flap (5), which rotates between a first angular position, for covering an element to be protected, of the type of a key-operated mechanism (6), a button, and the like, and at least one second angular position, for free access to the element. The articulation device (4) comprises two pins (7a, 7b), which are coaxially inserted, so that they can rotate, in respective mutually opposite holes (8) defined by the flap (5), and which are likewise coaxially detachably inserted by interlocking in respective mutually opposite slots (9) of matching shape, which face toward and are proximate to corresponding holes (8) and are defined in the handle assembly (3). The pins (7a, 7b) are kept inserted in the holes (8) and in the slots (9) by the elastic axial reaction developed by a helical spring (10), wound coaxially around the pins (7a, 7b).

IPC 8 full level
E05B 17/18 (2006.01); **E05B 83/10** (2014.01)

CPC (source: EP)
E05B 17/183 (2013.01); **E05B 83/10** (2013.01)

Citation (search report)
• [A] DE 20012724 U1 20001026 - HESTERBERG & SOEHNE GMBH & CO [DE]
• [A] EP 1531219 A1 20050518 - PASTORE & LOMBARDI SRL [IT]
• [A] EP 1550785 A1 20050706 - PASTORE & LOMBARDI SRL [IT]

Cited by
CN109025533A

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 3181784 A1 20170621; **EP 3181784 B1 20180411**; **EP 3181784 B8 20180829**; ES 2676574 T3 20180723; HU E038081 T2 20180928; PL 3181784 T3 20180928; TR 201808992 T4 20180723

DOCDB simple family (application)
EP 15425108 A 20151214; ES 15425108 T 20151214; HU E15425108 A 20151214; PL 15425108 T 20151214; TR 201808992 T 20151214