

Title (en)

RELEASE APPARATUS FOR VEHICLE DOORS

Title (de)

FREIGABEVORRICHTUNG FÜR FAHRZEUGTÜREN

Title (fr)

APPAREIL DE LIBÉRATION DE PORTES DE VÉHICULE

Publication

**EP 3235977 A1 20171025 (EN)**

Application

**EP 16425033 A 20160420**

Priority

EP 16425033 A 20160420

Abstract (en)

A release apparatus for doors of vehicles, such as vans, trucks, heavy goods vehicles, articulated trucks, trailers, and the like, which comprises a base (2), which can be anchored stably to the door, and a handle assembly (3), which can be fixed to at least one rod (A) that in turn can be coupled rotatably to the door and supports respective means for anchoring to the frame of the vehicle; the handle assembly (3) is able to rotate with respect to the base (2) between at least one locking configuration, in which the anchoring means can engage even indirectly the frame of the vehicle, and at least one release configuration, in which the anchoring means are in any case disengaged from the frame of the vehicle, in order to allow the free rotation of the door; the handle assembly (3) comprises at least one main plate (4) that has a substantially rectangular outline and defines, at a first edge (4a), a stable insertion seat for the rod (A); a locking button (6) is coupled rotatably to the base (2) and is reversibly movable between at least one first angular position, in which it is arranged so as to interfere with the movement of a second edge (4b) of the plate (4), which lies opposite the first edge (4a), and at least one second angular position, in which it is spaced from the second edge (4b); the plate (4) has at least one lug (7) that extends transversely from the second edge (4b) in order to contrast the unwanted deformation of the plate (4) and increase its mechanical strength.

IPC 8 full level

**E05B 83/10** (2014.01)

CPC (source: EP)

**E05B 83/10** (2013.01)

Citation (search report)

- [X] US 4134281 A 19790116 - PELCIN ALBERT L
- [X] GB 2028912 A 19800312 - ABEX CORP
- [X] EP 1764463 A2 20070321 - PASTORE & LOMBARDI SRL [IT]
- [X] EP 0366508 A1 19900502 - POMMIER & CIE [FR]

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 3235977 A1 20171025**

DOCDB simple family (application)

**EP 16425033 A 20160420**