

Title (en)

Sill-mounted closure device for the door of the body of trucks, trailers and the like

Title (de)

Rahmenteilmontierte Verschlussvorrichtung für LKW-Türen, Anhänger-Türen oder dergleichen

Title (fr)

Dispositif de verrouillage monté sur l'encadrement pour porte de camions, remorques ou similaires

Publication

EP 1830020 A1 20070905 (EN)

Application

EP 06425145 A 20060303

Priority

EP 06425145 A 20060303

Abstract (en)

A sill-mounted closure device for the door of the body of trucks, trailers and the like, comprising at least one base (2), which is rigidly coupled to the frame of the body (3) below the door (4) and is provided with a coupling element (5) for at least one lever (6) which is keyed rigidly at the lower end of at least one rod (7), which is supported so that it can rotate within the door (4), and at least one upper abutment (8), which is rigidly coupled to the frame of the body (3), for at least one hook-shaped element (9), which is fixed to the upper end of the rod (7), the lever (6) being provided with means (10) for safety retention to the base (2) and being rotatable manually from at least one angular position for fastening the door (4), in which it is engaged in the coupling element (5) and in which the hook-shaped element (9) is rigidly coupled, monolithically with the lever, to the upper abutment (8), to at least one angular position for freely opening the door (4), in which it is disengaged from the coupling element (5) and in which the hook-shaped element (9), monolithically with the lever, is disengaged from the upper abutment (8), the lever (6) forming, at the end, at least one seat (18) within which the coupling element (5) is adapted to engage detachably, so as to keep the door (4) open during loading and unloading operations and so as to prevent it from closing accidentally.

IPC 8 full level

E05B 65/16 (2006.01); **E05C 17/04** (2006.01)

CPC (source: EP)

E05B 83/10 (2013.01); **E05C 17/04** (2013.01); **E05C 17/14** (2013.01)

Citation (applicant)

DE 10044006 A1 20020321 - SCHMITZ CARGOBULL AG [DE]

Citation (search report)

- [XAY] DE 10044006 A1 20020321 - SCHMITZ CARGOBULL AG [DE]
- [Y] EP 1531219 A1 20050518 - PASTORE & LOMBARDI SRL [IT]
- [X] EP 1548215 A2 20050629 - PASTORE & LOMBARDI SRL [IT]

Citation (examination)

EP 1375786 A2 20040102 - DE MOLLI GIANCARLO INDUSTRIE SPA [IT]

Cited by

EP2146031A1; EP2623695A1; ITBO20120512A1; EP2711489A1; EP2746505A3; WO2010057536A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

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