

Title (en)

Door sill-mounted device for opening and closing the door of the body of trucks, trailers and the like

Title (de)

Vorrichtung für das Öffnen und das Schliessen der Tür eines Lastkraftwagens, eines Anhängers, oder ähnliches

Title (fr)

Dispositif d'ouverture et de fermeture d'une porte d'un camion ou d'une remorque

Publication

EP 1785561 B1 20100106 (EN)

Application

EP 05425800 A 20051114

Priority

EP 05425800 A 20051114

Abstract (en)

[origin: EP1785561A1] A door sill-mounted device for opening and closing the door of the body of trucks, trailers and the like, comprising at least one base (2), which is rigidly coupled to the framework of the body below the door and is provided with anchoring means (3) for at least one lever (4), which is keyed rigidly at the lower end of at least one rod (5), which is supported rotatably in the door, and at least one upper abutment (6), which is rigidly coupled to the framework of the body, for at least one pawl element (7), which is fixed to the upper end of the rod (5), the lever (4) being manually rotatable from at least one angular position for closing the door, in which it is engaged in the anchoring means (3) and in which the pawl element (7) is rigidly coupled to the upper abutment (6) monolithically with the lever, to at least one angular position for freely opening the door, in which it is disengaged from the anchoring means (3) and in which the pawl element (7) is disengaged from the upper abutment (6) monolithically with the lever, the lever (4) being provided with means (8) for safety coupling to the base (2) which are adapted to prevent the accidental disengagement of the lever (4) and can be actuated easily by means of at least one button (9) with the same hand with which the lever (4) is turned, the base (2), the lever (4), the pawl element (7) and the upper abutment (6) having an appropriately contoured substantially laminar configuration so as to minimize their weight and at the same time optimize their mechanical strength and rigidity characteristics.

IPC 8 full level

E05B 65/16 (2006.01)

CPC (source: EP)

E05B 83/10 (2013.01)

Cited by

EP2733288A3; EP2746505A3; EP3109386A1; EP2666935A1; EP4060150A1; WO2010057536A1

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