

Title (en)
Device for locking the door of vehicles

Title (de)
Vorrichtung zum Abschließen der Türen von Fahrzeugen

Title (fr)
Dispositif de verrouillage de la porte des véhicules

Publication
EP 2666935 A1 20131127 (EN)

Application
EP 12425096 A 20120521

Priority
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Abstract (en)
A device (1) for locking the door of vehicles, of the type of vans, trucks, lorries, semi-trailer trucks, trailers and the like, comprising a base plate (2), which can be rigidly coupled to the frame of a vehicle, proximate to a door thereof; the plate (2) comprises means of retention for a lever (3), which can be rigidly keyed on a bar that is rotatably supported by the door; the lever (3) can rotate from at least one first angular position, in which the lever (3) can be engaged with the plate (2), by way of the retention means, for the locking of the door so as to close the compartment, to at least one second angular position, in which the lever (3) is disengaged from the plate (2), for the release and free movement of the door, and vice versa; the device (1) moreover comprises a button (8), which is fixed to the plate (2) and has a tooth (8a) which is arranged, in a first configuration of operation, so as to interfere with an abutment flap (3a) of the lever (3), in order to obstruct the accidental rotation of the lever (3). The button (8) is supported so that it can rotate by a pin (9) which is secured to the plate (2), for the rotation, in a first direction of rotation (A), from the first configuration to at least one second configuration, in which the tooth (8a) is disengaged from the flap (3a), for the free rotation of the lever (3), and vice versa. When the lever (3) is engaged with the plate (2), and the button (8) is arranged in the first configuration, the point of contact (10) between the flap (3a) and the button (8), following an attempt to rotate the lever (3) in order to release the door, has a preset center distance (B) with respect to the rotation axis (C) of the pin (9), so as to develop a moment that is adapted to impose a rotation on the button (8) in a second direction of rotation, opposite to the first direction of rotation (A).

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Citation (search report)

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