

Title (en)

Door lock for motor vehicle and its installation process

Title (de)

Kraftfahrzeug-Türschloss und Verfahren zu Einbau eines Kraftfahrzeug-Türschlosses

Title (fr)

Serrure de porte de véhicule automobile et son procédé de montage

Publication

EP 0666391 B2 20010502 (DE)

Application

EP 94110979 A 19940714

Priority

- DE 4402507 A 19940127
- DE 4406870 A 19940302

Abstract (en)

[origin: US5622396A] An automobile door lock having a lock mechanism, with a variety of levers, and lock elements, like a ratchet (1) and a pawl (2), whereby the lock mechanism has an outer actuation lever (6), cooperating with an operating surface (4) of an outer door handle (5), and a clutch lever (9), cooperating with an outer actuating lever (6). Between the levers, there is provided a bolt connection assembly (12) with a longitudinal slot (13), a retaining bolt (14), and a bias spring (15). With the retaining bolt (14) loosened, the outer actuating lever (6) is moved by means of the bias spring (15), until it contacts the operating surface (4). With retaining bolt (14) tightened, both levers are firmly connected to form a unit which is adjustable by the outer door handle (5). With the automobile door lock not installed, the outer actuation lever (6) is in, or near, an end delivery position opposing the force of the bias spring (15), relative to clutch lever (9), and the retaining bolt (14) is strongly tightened such that the bias spring (15) is not effective. With the automobile door lock installed, the retaining bolt (14) is loosened, so that bias spring (15) is effective, and the outer actuation lever (6) is shifted in the direction towards operating surface (4) of outer door handle (5), up to the point of its contact therewith, forming its operational position. With the outer actuation lever (6) in this position, the retaining bolt (14) is tightened such that both levers (6, 9) are firmly interconnected.

IPC 1-7

E05B 1/00; **E05B 65/20**

IPC 8 full level

E05B 65/20 (2006.01); **E05B 65/26** (2006.01)

CPC (source: EP US)

E05B 83/36 (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1083** (2015.04 - EP US)

Cited by

DE19546469C1

Designated contracting state (EPC)

DE ES FR GB PT SE

DOCDB simple family (publication)

US 5622396 A 19970422; EP 0666391 A1 19950809; EP 0666391 B1 19970226; EP 0666391 B2 20010502; ES 2098828 T3 19970501; ES 2098828 T5 20010901

DOCDB simple family (application)

US 37976295 A 19950127; EP 94110979 A 19940714; ES 94110979 T 19940714