

Title (en)
Door lock for motor vehicle.

Title (de)
Kraftfahrzeugtürverschluss.

Title (fr)
Serrure de portière pour véhicule automobile.

Publication
EP 0496039 B1 19941207 (DE)

Application
EP 91117436 A 19911012

Priority
DE 4102049 A 19910124

Abstract (en)
[origin: EP0496039A1] Motor-vehicle door lock (1) having a rotary latch (3) rotatable about a rotary-latch bolt (2) and a blocking-pawl arrangement (5, 6) pivotable about a bearing bolt (4), in which, in the closed state of the motor-vehicle door, a lock holder (7) fastened to the door post engages into a lock-holder recess of the rotary latch (3), and in which, in the closed state of the motor-vehicle door, the blocking-pawl arrangement (5, 6) engages with fitting-surface contact by means of a blocking surface (8) behind a counter blocking surface (9) on the rotary latch (3) in the blocking position of the blocking-pawl arrangement (5, 6). The blocking-pawl arrangement (5, 6) is designed as a lever mechanism having a lever (5), located on the same side as the bearing bolt and pivotable about the bearing bolt (4), and a lever (6) carrying the blocking surface (8). The two levers (5, 6) are combined so as to be foldable relative to one another by means of a blocking-pawl joint (10) having a joint axis parallel to the bearing bolt (4). The lever (6) carrying the blocking surface (8) has a blocking-surface lever arm (11), a lever arm (12) located on the same side as the bearing bolt and, on the lever arm (12) located on the same side as the bearing bolt, a bearing-bolt receptacle (13) with switching play between a blocking-position stop (14) and a folding stop (15). During an opening movement of the blocking-pawl arrangement (5, 6), with the motor-vehicle door closed, the lever (6) carrying the blocking surface (8) folds relative to the lever (5) located on the same side as the bolt. The blocking-position stop (14) comes free from the bearing bolt (4). The folding stop (15) comes to bear on the bearing bolt (4). The fitting-surface contact can thereby be changed over to a linear contact (16). <IMAGE>

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IPC 8 full level
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CPC (source: EP US)
E05B 85/26 (2013.01 - EP US); **E05B 15/0086** (2013.01 - EP US); **Y10S 292/27** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1092** (2015.04 - EP US)

Cited by
EP1025878A1; GB2307271A; CN105073211A; FR2927924A1; ITTO20130781A1; EP2860335A3; US10648204B2; WO2015044463A1; WO9719243A1; WO2020187358A1; WO2010066240A1

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