

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>

IPC 1-7  
**E05B 65/32**

IPC 8 full level  
**E05B 85/26** (2014.01); **E05B 15/00** (2006.01)

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

Designated contracting state (EPC)  
ES FR GB IT

DOCDB simple family (publication)  
**EP 0496039 A1 19920729; EP 0496039 B1 19941207**; DE 4102049 A1 19920730; DE 4102049 C2 19921105; ES 2064854 T3 19950201; JP H04306382 A 19921029; US 5188406 A 19930223

DOCDB simple family (application)  
**EP 91117436 A 19911012**; DE 4102049 A 19910124; ES 91117436 T 19911012; JP 913892 A 19920122; US 82246792 A 19920117