

Title (en)

Motor vehicle door lock

Title (de)

Kraftfahrzeugtürverschluss

Title (fr)

Serrure de porte pour véhicule automobile

Publication

EP 1081321 B1 20050302 (DE)

Application

EP 00116825 A 20000804

Priority

DE 19942360 A 19990904

Abstract (en)

[origin: EP1081321A2] The device has at least one rotary catch (2), a blocking pawl and a lock mechanism with a closure aid for the rotary catch, whereby the closure aid has a vane (5) with a pivotable pawl, an electric motor drive and a direction changing element (9) with an elongated hole (10) engaged by a control journal on the vane and a protrusion interacting with two separate stops (16,17). The drive (7) has a crank mechanism (20) acting on the vane with the closure pawl (6) and the direction changing element to change the direction of a spring (14) action on the closure pawl when passing through a dead point.

IPC 1-7

E05B 65/32; **E05B 47/00**; **E05F 15/10**; **E05B 65/12**

IPC 8 full level

E05B 47/00 (2006.01); **E05B 65/12** (2006.01); **E05B 65/32** (2006.01); **E05B 81/14** (2014.01); **E05B 81/20** (2014.01); **E05F 15/10** (2006.01)

CPC (source: EP US)

E05B 81/14 (2013.01 - EP US); **E05B 81/20** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10S 292/43** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by

EP1617023A3; EP2803795A3; US10829968B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1081321 A2 20010307; **EP 1081321 A3 20031203**; **EP 1081321 B1 20050302**; DE 19942360 A1 20010405; DE 19942360 C2 20031113; DE 50009624 D1 20050407; US 6382687 B1 20020507

DOCDB simple family (application)

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