

Title (en)

Electric lock for a vehicle door

Title (de)

Elektrisches Schloss für Kraftfahrzeugtür

Title (fr)

Serrure électrique pour portière de véhicule

Publication

EP 0903457 B1 20021120 (FR)

Application

EP 98402201 A 19980907

Priority

FR 9711680 A 19970919

Abstract (en)

[origin: EP0903457A1] Two motors (22,31) use worm and pinion drives (23,26,32) to move a bolt pawl (5,7) operating rod and plate (12,20) in orthogonal directions either separately or together. The position of the plate may prevent either external (13) or internal (15) lock opening or both. The operating rod (12) is connected to the pawl through a ball and socket joint (21), intermediate rotating element and pin (11).

IPC 1-7

E05B 65/32; **E05B 47/00**

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/20** (2006.01); **E05B 13/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP US)

E05B 77/26 (2013.01 - EP US); **E05B 77/28** (2013.01 - EP US); **E05B 81/14** (2013.01 - EP US); **E05B 81/20** (2013.01 - EP US); **E05B 81/66** (2013.01 - EP US); **E05B 83/36** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10S 292/27** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by

FR2810361A1; EP1158124A1; EP1076141A1; CN103276983A; DE19906997A1; DE19906997C2; EP1061213A3; RU2633237C2; US6371536B1; WO2014032641A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0903457 A1 19990324; **EP 0903457 B1 20021120**; BR 9803166 A 20000111; DE 69809519 D1 20030102; DE 69809519 T2 20030925; ES 2186987 T3 20030516; FR 2768764 A1 19990326; FR 2768764 B1 19991126; US 6003910 A 19991221

DOCDB simple family (application)

EP 98402201 A 19980907; BR 9803166 A 19980817; DE 69809519 T 19980907; ES 98402201 T 19980907; FR 9711680 A 19970919; US 14806698 A 19980904