

Title (en)

CLOSING ASSISTED ELECTRIC LOCK FOR OPENING OF AUTOMOBILE

Title (de)

SCHLIESSUNTERSTÜTZTES ELEKTRISCHES SCHLOSS ZUM ÖFFNEN EINES AUTOS

Title (fr)

SERRURE ELECTRIQUE A ASSISTANCE DE FERMETURE POUR OUVRANT DE VEHICULE AUTOMOBILE

Publication

**EP 2155994 A1 20100224 (FR)**

Application

**EP 08760129 A 20080528**

Priority

- EP 2008056534 W 20080528
- FR 0703906 A 20070601

Abstract (en)

[origin: WO2008145668A1] The invention relates to a closing assisted electric lock for the opening of an automobile, that comprises: a bolt (5) including first (19) and second (20) notches, said bolt (5) interacting with a strike and being capable of rotating between an open position, a position closed at the first notch of the lock and a position closed at the second notch of the lock; a pivoting ratchet (13) capable of interacting with said bolt (5) for preventing the rotation thereof (5) into a closed position at the first and second notches of the lock; a bolt (5) driving lever for rotatingly driving the bolt (5) between the closed position at the first notch and the closed position at the second notch of the lock; characterised in that the driving lever (9) includes a protrusion (37) provided so that said bolt (5) is capable of pivoting the lever (9) when said bolt (5) rotates from the open position to the closed position at the second notch of the lock.

IPC 8 full level

**E05B 77/36** (2014.01); **E05B 81/20** (2014.01); **E05B 81/64** (2014.01); **E05B 81/68** (2014.01); **E05B 79/20** (2014.01)

CPC (source: CN EP KR US)

**E05B 77/36** (2013.01 - EP US); **E05B 79/00** (2013.01 - KR); **E05B 81/04** (2013.01 - CN); **E05B 81/18** (2013.01 - CN); **E05B 81/20** (2013.01 - EP US); **E05B 81/24** (2013.01 - KR); **E05B 81/64** (2013.01 - EP US); **E05B 81/68** (2013.01 - EP US); **E05B 85/24** (2013.01 - CN KR); **E05B 85/26** (2013.01 - CN); **E05B 79/20** (2013.01 - EP US); **E05B 83/00** (2013.01 - CN); **E05B 83/18** (2013.01 - CN); **Y10T 70/5093** (2015.04 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Citation (search report)

See references of WO 2008145668A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**FR 2916788 A1 20081205**; **FR 2916788 B1 20130215**; CN 101680246 A 20100324; CN 105735792 A 20160706; CN 105735792 B 20191001; EP 2155994 A1 20100224; EP 2155994 B1 20150617; ES 2546621 T3 20150925; HU E027553 T2 20161028; JP 2010529329 A 20100826; JP 5732694 B2 20150610; KR 101557168 B1 20151002; KR 20100019468 A 20100218; PL 2155994 T3 20151130; US 2010170308 A1 20100708; US 8684424 B2 20140401; WO 2008145668 A1 20081204

DOCDB simple family (application)

**FR 0703906 A 20070601**; CN 200880018430 A 20080528; CN 201610076132 A 20080528; EP 08760129 A 20080528; EP 2008056534 W 20080528; ES 08760129 T 20080528; HU E08760129 A 20080528; JP 2010509813 A 20080528; KR 20097024918 A 20080528; PL 08760129 T 20080528; US 60077708 A 20080528