

Title (en)  
Motor vehicle door lock

Title (de)  
Kraftfahrzeugtürverschluss

Title (fr)  
Serrure de porte pour véhicule

Publication  
**EP 1103677 A3 20020320 (DE)**

Application  
**EP 00124014 A 20001104**

Priority  
DE 19957061 A 19991126

Abstract (en)  
[origin: EP1103677A2] The lock has a drive for an eccentric lock bolt (1) of a servo lock holder (2), whereby the closure bolt covers a defined angle when moving from a preliminary closed position to a main closed position. The closure bolt drives against stops (5) in the preliminary closed position and in the main closed position. The closure bolt covers a rotation angle of greater than 180 degrees, especially more than 190 degrees.

IPC 1-7  
**E05B 15/02**; **E05B 47/00**; **E05B 65/12**

IPC 8 full level  
**E05B 15/02** (2006.01); **E05B 47/00** (2006.01); **E05B 65/12** (2006.01); **E05B 81/22** (2014.01); **E05B 81/64** (2014.01); **E05B 85/04** (2014.01)

CPC (source: EP US)  
**E05B 81/22** (2013.01 - EP US); **E05B 81/64** (2013.01 - EP US); **E05B 85/045** (2013.01 - EP US); **Y10T 292/1082** (2015.04 - EP US); **Y10T 292/68** (2015.04 - EP US); **Y10T 292/696** (2015.04 - EP US); **Y10T 292/699** (2015.04 - EP US); **Y10T 292/702** (2015.04 - EP US)

Citation (search report)

- [DY] DE 4210893 A1 19931007 - VDO SCHINDLING [DE]
- [Y] US 4982984 A 19910108 - YOKOTA CHITOSHI [JP], et al
- [A] US 4707007 A 19871117 - INOH ISAMU [JP]
- [A] US 5273325 A 19931228 - ZIMMERMANN GERHARD [DE]
- [DA] WO 8902964 A1 19890406 - MASCO IND INC [US]
- [A] US 5755468 A 19980526 - BUCHANAN JR HARRY C [US]
- [A] US 5938254 A 19990817 - WEYERSTALL BERND [DE]
- [A] US 5746459 A 19980505 - GIROUX JR WILLIAM H [US], et al

Cited by  
CN111279042A; US11572716B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1103677 A2 20010530**; **EP 1103677 A3 20020320**; **EP 1103677 B1 20040114**; AT E257889 T1 20040115; DE 19957061 A1 20010531; DE 50005015 D1 20040219; ES 2209752 T3 20040701; US 6581990 B1 20030624

DOCDB simple family (application)  
**EP 00124014 A 20001104**; AT 00124014 T 20001104; DE 19957061 A 19991126; DE 50005015 T 20001104; ES 00124014 T 20001104; US 72225500 A 20001124