

Title (en)  
ROTARY LOCKING BOLT AND MOTOR VEHICLE DOOR LOCK

Title (de)  
DREHSPERRBOLZEN UND VERRIEGELUNG FÜR EINE KRAFTFAHRZEUGTÜR

Title (fr)  
PENE ROTATIF ET SERRURE D'OUVRANT DE VEHICULE AUTOMOBILE

Publication  
**EP 2593623 B1 20141231 (FR)**

Application  
**EP 11716593 A 20110503**

Priority  
• FR 1002035 A 20100512  
• EP 2011057004 W 20110503

Abstract (en)  
[origin: WO2011141320A1] The invention relates to a rotary locking bolt for a motor vehicle door lock, intended to collaborate with a striker of said motor vehicle, said rotary locking bolt (5) comprising a metal body (14) and having a cylindrical through-opening (12) intended to collaborate with a corresponding guiding surface (13) of said lock (1) so as to pivot about an axis of rotation (I) between a position in which the lock (1) is open and a position in which the latter is closed, in which it collaborates with the striker, characterized in that said metal body (14) has compensating projections (16a-16f) projecting around said cylindrical through-opening (12) on each side of the ends of the cylindrical through-opening (12). The invention also relates to a motor vehicle door lock (1) provided with such a rotary locking bolt (5).

IPC 8 full level  
**E05B 77/40** (2014.01); **E05B 85/24** (2014.01)

CPC (source: BR EP)  
**E05B 77/40** (2013.01 - EP); **E05B 85/26** (2013.01 - BR EP); **E05B 63/0056** (2013.01 - BR EP); **E05B 77/40** (2013.01 - BR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011141320 A1 20111117**; BR 112012028847 A2 20160726; BR 112012028847 B1 20190820; CN 102971473 A 20130313; CN 102971473 B 20151125; EP 2593623 A1 20130522; EP 2593623 B1 20141231; ES 2532990 T3 20150406; FR 2960013 A1 20111118; FR 2960013 B1 20120615; PL 2593623 T3 20150630; RU 2012153666 A 20140620; RU 2562032 C2 20150910

DOCDB simple family (application)  
**EP 2011057004 W 20110503**; BR 112012028847 A 20110503; CN 201180033147 A 20110503; EP 11716593 A 20110503; ES 11716593 T 20110503; FR 1002035 A 20100512; PL 11716593 T 20110503; RU 2012153666 A 20110503