

Title (en)  
LOCK DEVICE HAVING A MULTI-PART PAWL

Title (de)  
SCHLOSSVORRICHTUNG MIT EINER MEHRTEILIGEN SPERRKLINKE

Title (fr)  
DISPOSITIF DE VERROUILLAGE COMPORTANT UN CLIQUET À PLUSIEURS PARTIES

Publication  
**EP 2776651 A2 20140917 (EN)**

Application  
**EP 12837608 A 20121017**

Priority  
• US 201161549901 P 20111021  
• IB 2012002827 W 20121017

Abstract (en)  
[origin: WO2013057590A2] A lock unit for a vehicle includes a rotatable catch biased in an opening direction about a catch rotation axis toward an open position of the lock unit in which a first recess of the catch is configured to receive a striker of the vehicle. Additionally, the catch includes a second recess disposed before the first recess in the opening direction. A pawl rotatable about a fixed pawl pivot axis is biased toward the catch. The pawl includes a blocking arm which extends into the second recess of the catch when the lock unit is in a secondary latched position. A blocking lever abuts the blocking arm of the pawl against the catch in a primary latched position of the lock unit preventing rotation of the pawl away from the catch. A rocker lever intersects both the path of the catch and the blocking lever. When the lock unit is forced from the secondary latched position to the primary latched position, the rocker is displaced by the catch and shifts the blocking lever away from the pawl.

IPC 1-7  
**E05B 65/32**; **E05B 65/12**

IPC 8 full level  
**E05B 77/40** (2014.01); **E05B 85/26** (2014.01)

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

Citation (search report)  
See references of WO 2013057590A2

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 2013057590 A2 20130425**; **WO 2013057590 A3 20130711**; BR 112014009482 A2 20170613; CA 2852852 A1 20130425; CN 103998704 A 20140820; CN 103998704 B 20170222; EP 2776651 A2 20140917; EP 2776651 B1 20170628; IN 716MUN2014 A 20150703; JP 2015511669 A 20150420; JP 6155488 B2 20170705; KR 20140090212 A 20140716; MX 2014004649 A 20141211; RU 2014118877 A 20151127; RU 2624900 C2 20170707

DOCDB simple family (application)  
**IB 2012002827 W 20121017**; BR 112014009482 A 20121017; CA 2852852 A 20121017; CN 201280062892 A 20121017; EP 12837608 A 20121017; IN 716MUN2014 A 20140416; JP 2014536352 A 20121017; KR 20147013287 A 20121017; MX 2014004649 A 20121017; RU 2014118877 A 20121017