

Title (en)  
Vehicle door latch apparatus

Title (de)  
Fahrzeughürverschlussvorrichtung

Title (fr)  
Dispositif de verrouillage pour porte de véhicule

Publication  
**EP 2112306 A3 20141105 (EN)**

Application  
**EP 09004613 A 20090330**

Priority  
JP 2008112242 A 20080423

Abstract (en)  
[origin: EP2112306A2] When first and second locking lever are in locking positions, a double locking control pin is caused to move to a disconnecting position via a double locking switching lever through rotation of a worm wheel from a neutral position in a locking direction. When the double locking control pin is in the disconnecting position, the double locking control pin is caused to move to a connecting position via the double locking switching lever through rotation of the worm wheel from the neutral position in an unlocking direction and the first and second locking levers are also caused to move to unlocking positions.

IPC 1-7  
**E05B 65/20**

IPC 8 full level  
**E05B 83/36** (2014.01); **B60J 5/00** (2006.01); **E05B 77/28** (2014.01); **E05B 81/16** (2014.01)

CPC (source: EP)  
**E05B 77/26** (2013.01); **E05B 77/28** (2013.01); **E05B 77/30** (2013.01); **E05B 81/16** (2013.01); **E05B 81/34** (2013.01); **E05B 81/06** (2013.01)

Citation (search report)  
• [A] US 2002171250 A1 20021121 - KOBAYASHI FUMIO [JP], et al  
• [A] DE 102005052190 A1 20070503 - KIEKERT AG [DE]  
• [A] EP 1035281 A1 20000913 - ATOMA ROLTRA SPA [IT]

Cited by  
US10370879B2; WO2021110206A1; EP4112851A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2112306 A2 20091028**; **EP 2112306 A3 20141105**; **EP 2112306 B1 20171011**; EP 2913463 A1 20150902; EP 2913463 B1 20190619; JP 2009263910 A 20091112; JP 4564077 B2 20101020

DOCDB simple family (application)  
**EP 09004613 A 20090330**; EP 15161870 A 20090330; JP 2008112242 A 20080423