

Title (en)

Double-lock type vehicle door lock device

Title (de)

Verriegelungsvorrichtung mit Doppelverriegelung für Fahrzeugstüre

Title (fr)

Dispositif de verrouillage de porte de véhicule de type double verrouillage

Publication

EP 2312096 A3 20170329 (EN)

Application

EP 10180689 A 20100928

Priority

JP 2009238932 A 20091016

Abstract (en)

[origin: EP2312096A2] A vehicle door lock device includes an inside open lever that is operated at the time of a door opening operation of an inside door handle, an open link that is linked to the inside open lever, a lock mechanism that switches the position of the open link, and a double-lock mechanism that restricts or allows the operation of the lock mechanism. The lock mechanism includes an active lever, a sub-lever, a control lever, a first stopper, a second stopper, and a torsion spring. The double-lock mechanism includes a double-lock lever and a connecting member.

IPC 8 full level

E05B 77/28 (2014.01); **E05B 77/30** (2014.01); **E05B 83/36** (2014.01)

CPC (source: EP)

E05B 77/28 (2013.01); **E05B 77/30** (2013.01); **E05B 81/16** (2013.01); **E05B 81/36** (2013.01); **E05B 81/06** (2013.01)

Citation (search report)

- [AD] JP 2002038797 A 20020206 - AISIN SEIKI
- [A] JP 2005126923 A 20050519 - AISIN SEIKI
- [A] JP H08270289 A 19961015 - AISIN SEIKI

Cited by

CN108204186A

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2312096 A2 20110420; **EP 2312096 A3 20170329**; **EP 2312096 B1 20180124**; CN 102041932 A 20110504; CN 102041932 B 20140723; JP 2011084951 A 20110428; JP 5310473 B2 20131009

DOCDB simple family (application)

EP 10180689 A 20100928; CN 201010502203 A 20100929; JP 2009238932 A 20091016