

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 2312097 A3 20170315 (EN)

Application

EP 10180692 A 20100928

Priority

JP 2009238934 A 20091016

Abstract (en)

[origin: EP2312097A2] A vehicle door lock device includes a latch mechanism, 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 panic lever, a stopper, and a torsion spring. The double-lock mechanism includes a double-lock lever.

IPC 8 full level

E05B 83/36 (2014.01); **E05B 77/28** (2014.01); **E05B 77/30** (2014.01); **E05B 77/32** (2014.01)

CPC (source: EP)

E05B 77/28 (2013.01); **E05B 77/30** (2013.01); **E05B 77/32** (2013.01); **E05B 81/16** (2013.01); **E05B 81/36** (2013.01); **E05B 81/06** (2013.01)

Citation (search report)

- [X] US 2002074806 A1 20020620 - PERKINS DONALD MICHAEL [US], et al
- [A] GB 2458574 A 20090930 - MITSUI MINING & SMELTING CO [JP]

Cited by

US11085204B2

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 2312097 A2 20110420; **EP 2312097 A3 20170315**; **EP 2312097 B1 20180711**; CN 102041931 A 20110504; CN 102041931 B 20141008; JP 2011084952 A 20110428; JP 5310474 B2 20131009

DOCDB simple family (application)

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