

Title (en)
ELEVATOR CAR DOOR LOCK

Title (de)
AUFZUGSKABINENTÜRVERRIEGELUNG

Title (fr)
DISPOSITIF DE VERROUILLAGE DE PORTE DE CABINE D'ASCENSEUR

Publication
EP 2287103 A1 20110223 (EN)

Application
EP 08777228 A 20080616

Priority
JP 2008060940 W 20080616

Abstract (en)
A car-door locking device for an elevator includes: a car switch fixed to a door hanger; a car fixed latch fixed to any one of the car and a bracket fixed to the car; a car arm fixed to the one-side opening type door of the car through an intermediation of a first car shaft, the car arm being pressed against a landing vane fixed to a one-side opening type landing-door to turn on the first car shaft when the one-side opening type door of the car is opened; and a car movable latch fixed to a door hanger through an intermediation of a second car shaft, the car movable latch de-energizing the car switch to inhibit an operation of the car and being released from the car fixed latch based on turning of the car movable latch on the second car shaft caused by the turning of the car arm.

IPC 8 full level
B66B 13/12 (2006.01)

CPC (source: EP)
B66B 13/12 (2013.01)

Cited by
WO2016176033A1; US10882720B2; US11124389B2; US11795033B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2287103 A1 20110223; **EP 2287103 A4 20140806**; **EP 2287103 B1 20150909**; CN 102015510 A 20110413; CN 102015510 B 20140101; JP 5383677 B2 20140108; JP WO2009153845 A1 20111117; KR 101153123 B1 20120604; KR 20100125420 A 20101130; WO 2009153845 A1 20091223

DOCDB simple family (application)
EP 08777228 A 20080616; CN 200880128949 A 20080616; JP 2008060940 W 20080616; JP 2010517570 A 20080616; KR 20107023156 A 20080616