

Title (en)

ELEVATOR CAR DOOR LOCKING APPARATUS

Title (de)

VORRICHTUNG ZUR VERRIEGELUNG VON AUFZUGSKABINEN

Title (fr)

APPAREIL DE VERROUILLAGE DE PROTE DE CABINE D'ASCENSEUR

Publication

**EP 1841682 A4 20120502 (EN)**

Application

**EP 05704398 A 20050128**

Priority

JP 2005001638 W 20050128

Abstract (en)

[origin: WO2006080094A1] This invention provides a mechanical car door locking apparatus which is automatically operated by a door drive but independent of a door drive coupling mechanism. According to this invention, when, with a car positioned outside a landing zone, the motion of a first cam moving along with door opening motion is transferred to a first roller, a slider moves along a slider rod in the direction of door opening in conjunction with the motion of the first cam, whereby a static latch moving along with the door opening motion engages with a latch to disable door opening operation.

IPC 8 full level

**B66B 13/18** (2006.01)

CPC (source: EP)

**B66B 13/20** (2013.01)

Citation (search report)

- [A] EP 1500625 A1 20050126 - THYSSENKRUPP ELEVATOR MFG F [FR]
- See references of WO 2006080094A1

Cited by

CN110422739A; US10710843B2; US10882720B2; US11124389B2; US11795033B2

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**WO 2006080094 A1 20060803**; CN 101031497 A 20070905; CN 101031497 B 20101013; EP 1841682 A1 20071010; EP 1841682 A4 20120502; EP 1841682 B1 20140319; JP 2008528399 A 20080731; JP 4292207 B2 20090708

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**JP 2005001638 W 20050128**; CN 200580017349 A 20050128; EP 05704398 A 20050128; JP 2006520540 A 20050128