

Title (en)

Device on an elevator car for temporary coupling a car door panel with a landing door panel and for actuating a car door locking mechanism

Title (de)

Einrichtung an einer Aufzugskabine zum temporären Koppeln eines Kabinentürflügels mit einem Schachttürflügel und zum Betätigen einer Kabinentürverriegelung

Title (fr)

Dispositif sur une cabine d'ascenseur pour coupler temporairement un panneau de porte de cabine avec un panneau de porte palière et pour activer un mécanisme de verrouillage

Publication

**EP 1541517 B1 20120201 (DE)**

Application

**EP 04106261 A 20041203**

Priority

- EP 04106261 A 20041203
- EP 03405874 A 20031208

Abstract (en)

[origin: US2005139429A1] Equipment for temporarily coupling an elevator car door leaf with a shaft door leaf and for actuating a car door lock includes a coupling mechanism arranged at the car door leaf with two entraining runners mounted on two pivotable adjusting elements. The spacing between the entraining runners can be adjusted by pivoting of the adjusting elements between an uncoupling setting and a coupling setting, wherein the entraining runners in the coupling setting co-operate with at least one coupling element mounted at the shaft door leaf. One of the entraining runners is coupled by way of a respective articulation member with one arm of each of the two adjusting elements, wherein a contact force arising between the entraining runner and the corresponding coupling element in the coupling setting causes the entraining runner to execute an additional movement which is guided by the articulation members to unlock the car door lock.

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN103562117A; EP2138442A1; CN102076595A; AT508403B1; AT508403A3; US8820485B2; US9132992B2; WO2018166405A1; WO2009156256A3; WO2012163940A1; WO2009156256A2; US8607937B2

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**US 2005139429 A1 20050630**; **US 7100745 B2 20060905**; AT E543770 T1 20120215; BR PI0405422 A 20050830; BR PI0405422 B1 20120821; CA 2489604 A1 20050608; CA 2489604 C 20120918; CN 100379672 C 20080409; CN 1626427 A 20050615; EP 1541517 A1 20050615; EP 1541517 B1 20120201; ES 2381362 T3 20120525; HK 1079177 A1 20060331; JP 2005170680 A 20050630; JP 4708005 B2 20110622; PT 1541517 E 20120507

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