

Title (en)
ELEVATOR CAR DOOR LOCKING APPARATUS

Title (de)
VORRICHTUNG ZUR VERRIEGELUNG VON AUFZUGSKABINEN

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

Publication
EP 1841681 A4 20130724 (EN)

Application
EP 05704395 A 20050128

Priority
JP 2005001635 W 20050128

Abstract (en)
[origin: WO2006080093A1] This invention provides a car door locking apparatus which is capable of retaining a lock element in a locked position in case of a power failure with a car positioned outside a landing zone, and which takes car inclination and installation into account and is independent of a door drive. This invention is equipped with a cam which, when the car is outside the landing zone, moves together with a bracket into engagement with a guide surface, thereby generating a drive force for moving a latch from a locked position to an unlocked position, and an actuator which, during car travel, moves the cam to a retracted position not in engagement with the guide surface. The shape of the cam is constructed such that the drive force is generated during cam motion by a prescribed quantity and that the drive force is maintained during cam motion beyond the prescribed quantity.

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2006080093A1

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DE NL

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