

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 B1 20140409 (EN)**

Application

**EP 05704395 A 20050128**

Priority

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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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