

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.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)

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

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