

Title (en)
DOOR DEVICE FOR ELEVATOR

Title (de)
TÜRVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE PORTE POUR ASCENSEUR

Publication
EP 1918241 A4 20130116 (EN)

Application
EP 05780958 A 20050825

Priority
JP 2005015433 W 20050825

Abstract (en)
[origin: EP1918241A1] An elevator door has a hall door and a car door. The car door is displaceable between a door juxtaposition position at which the car door is juxtaposed to the hall door and a door deviation position at which the car door is located on a door opening side with respect to the hall door by a predetermined distance from the door juxtaposition position. When the car door is located at the door deviation position, the hall door and the car door are moved in engagement with each other. An actuating strip is provided between the car door and the hall door. The actuating strip is displaceable between a protruding position at which the actuating strip protrudes in a door closing direction from a door closing-side end of the elevator door and a retracted position at which the actuating strip is accommodated between the car door and the hall door. The retracted position is located on the door opening side with respect to the protruding position. When the hall door fully closes a doorway, the car door is displaced between the door juxtaposition position and the door deviation position. When the car door is located at the door juxtaposition position, a displacement device displaces the actuating strip to the protruding position. When the car door is located at the door deviation position, the displacement device displaces the actuating strip to the retracted position.

IPC 8 full level
B66B 13/26 (2006.01)

CPC (source: EP KR)
B66B 13/26 (2013.01 - EP KR)

Citation (search report)

- [X] GB 1227197 A 19710407
- [X] WO 0123293 A1 20010405 - HITACHI LTD [JP]
- [X] JP 2005008383 A 20050113 - HITACHI LTD, et al
- [X] US 3168165 A 19650202 - GINO BAGNASCO
- See references of WO 2007023549A1

Cited by
CN104401860A; EP2345618A1; WO2011086062A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1918241 A1 20080507; EP 1918241 A4 20130116; CN 100569623 C 20091216; CN 101048333 A 20071003;
JP WO2007023549 A1 20090226; KR 100940420 B1 20100202; KR 20070084379 A 20070824; WO 2007023549 A1 20070301

DOCDB simple family (application)
EP 05780958 A 20050825; CN 200580037155 A 20050825; JP 2005015433 W 20050825; JP 2007531992 A 20050825;
KR 20077011398 A 20050825