

Title (en)
CAR UPPER SIDE HANDRAIL DEVICE OF ELEVATOR

Title (de)
OBERE KABINENGELÄNDERVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE RAMBARDE MONTE AU-DESSUS D UNE CABINE D ASCENSEUR

Publication
EP 1925581 A4 20121219 (EN)

Application
EP 05783678 A 20050916

Priority
JP 2005017133 W 20050916

Abstract (en)
[origin: EP1925581A1] There is provided a handrail device of an elevator car, in which work performed by the maintenance worker in a stooping posture to prevent the overturn of the handrail device is not needed, which makes the assembling work and storing work easy, and the handrail device can be configured at a low cost. For this purpose, in the lower end portion of a vertical pillar of the handrail device, an upper pin and a lower pin arranged above and below in the assembled state are provided, and also in a connecting portion for turnably connecting the lower end portion of the vertical pillar to the top portion of the car, a guide portion, which engages with one of the upper pin and the lower pin to guide the vertical pillar vertically through a predetermined distance, and a regulating portion, with which the other of the upper pin and the lower pin engages from the upside to regulate the turning of the vertical pillar in the assembled state of the handrail device, are provided.

IPC 8 full level
B66B 11/02 (2006.01)

CPC (source: EP)
B66B 5/0081 (2013.01)

Citation (search report)

- [I] EP 1500623 A1 20050126 - MITSUBISHI ELECTRIC CORP [JP]
- [A] EP 1386876 A1 20040204 - MITSUBISHI ELECTRIC CORP [JP]
- [A] WO 03018459 A1 20030306 - OTIS ELEVATOR CO [US]
- See references of WO 2007032080A1

Cited by
WO2018091350A1; EP3372544A1; US11174124B2; EP3541734B1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1925581 A1 20080528; EP 1925581 A4 20121219; CN 101031494 A 20070905; CN 101031494 B 20100825;
JP WO2007032080 A1 20090319; WO 2007032080 A1 20070322

DOCDB simple family (application)
EP 05783678 A 20050916; CN 200580033374 A 20050916; JP 2005017133 W 20050916; JP 2006542909 A 20050916