

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 A1 20080528 (EN)

Application

EP 05783678 A 20050916

Priority

JP 2005017133 W 20050916

Abstract (en)

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)

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