

Title (en)

Elevator apparatus with overspeed detection device and car position detection.

Title (de)

Aufzugseinrichtung mit Geschwindigkeitsbegrenzer und einer Positionserfassung des Aufzugswagens

Title (fr)

Système d'ascenseur avec un dispositif de détection de survitesse et la détection de la position du chariot.

Publication

EP 2660181 A1 20131106 (EN)

Application

EP 13179075 A 20050330

Priority

- EP 13179075 A 20050330
- EP 05727801 A 20050330
- JP 2005006112 W 20050330

Abstract (en)

An elevator apparatus comprises: a car (3) for being raised/lowered within a hoistway (1); an operation control portion (12) for controlling operation of the car (3); and an electronic overspeed detecting device (22), which has an overspeed monitoring pattern set to change continuously at least with respect to a position within a car slowdown section of a terminal portion of the hoistway, for monitoring whether or not a speed of the car reaches the overspeed monitoring pattern, characterized by further comprising: a floor-to-floor calculating portion for storing a floor position upon stoppage of the car (3) at a floor, which has been calculated by the electronic overspeed detecting device (22), based on a floor stop signal transmitted from the operation control portion (12) upon stoppage of the car (3) at the floor and information on a position of the car which has been obtained by the electronic overspeed detecting device (22), and calculating a distance between predetermined floors.

IPC 8 full level

B66B 5/06 (2006.01); **B66B 1/34** (2006.01)

CPC (source: EP)

B66B 1/3492 (2013.01); **B66B 5/0043** (2013.01); **B66B 5/06** (2013.01)

Citation (applicant)

JP H05338948 A 19931221 - MITSUBISHI ELECTRIC CORP

Citation (search report)

- [X] EP 1431229 A1 20040623 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 4984660 A 19910115 - IKEJIMA SATOMI [JP], et al
- [A] US 4378059 A 19830329 - HATAKEYAMA TAKANOBU [JP], et al

Designated contracting state (EPC)

DE ES FR NL PT

DOCDB simple family (publication)

EP 1880967 A1 20080123; **EP 1880967 A4 20130612**; **EP 1880967 B1 20141126**; CN 1950286 A 20070418; CN 1950286 B 20121017; EP 2660180 A1 20131106; EP 2660180 B1 20141126; EP 2660181 A1 20131106; EP 2660181 B1 20210217; ES 2526400 T3 20150112; ES 2530693 T3 20150304; JP 4930792 B2 20120516; JP WO2006103769 A1 20080904; PT 1880967 E 20141231; PT 2660180 E 20141224; WO 2006103769 A1 20061005

DOCDB simple family (application)

EP 05727801 A 20050330; CN 200580014831 A 20050330; EP 13179074 A 20050330; EP 13179075 A 20050330; ES 05727801 T 20050330; ES 13179074 T 20050330; JP 2005006112 W 20050330; JP 2007510293 A 20050330; PT 05727801 T 20050330; PT 13179074 T 20050330