Title (en)

ELEVATOR SYSTEM

Title (de)

AUFZUGSYSTEM

Title (fr)

SYSTÈME D'ASCENSEUR

Publication

EP 3438033 A4 20191218 (EN)

Application

EP 16896839 A 20160330

Priority

JP 2016060334 W 20160330

Abstract (en)

[origin: EP3438033A1] Provided is an elevator system capable of determining availability of opening/closing of a car door after determining whether a car is located in a door zone even if a position detection device provided on the car breaks down. An elevator system (100) includes a plate to be detected (11) provided in a hoistway (4), a car position detection device (10) provided on the car (1) and which detects the plate to be detected (11), a car moving amount measurement device (7 or 15) that measures a moving amount of the car, and a control device (20) that controls the aforementioned plate and devices, the control device includes a door zone detection unit (12) that detects a door zone that is an openable/closable region of a door of the car by the car position detection device and a car position calculation unit (16) that calculates a position of the car by the car moving amount measurement device, and determines whether the car is in the door zone on the basis of the position of the car calculated in the car position calculation unit when the car position detection device is determined to have broken down.

IPC 8 full level

B66B 1/34 (2006.01); **B66B 1/36** (2006.01); **B66B 3/02** (2006.01); **B66B 5/00** (2006.01); **B66B 5/02** (2006.01)

CPC (source: EP)

B66B 1/3492 (2013.01); **B66B 5/0006** (2013.01)

Citation (search report)

- [XYI] JP H0616361 A 19940125 - MITSUBISHI ELECTRIC CORP
- [XYI] JP H05319722 A 19931203 - MITSUBISHI ELECTRIC CORP
- [XYI] JP 2007112561 A 20070510 - MITSUBISHI ELECTRIC CORP
- [Y] US 4984660 A 19910115 - IKEJIMA SATOMI [JP], et al
- [Y] WO 2011089691 A1 20110728 - MITSUBISHI ELECTRIC CORP [JP], et al
- See references of WO 2017168619A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3438033 A1 20190206; **EP 3438033 A4 20191218**; **EP 3438033 B1 20210616**; CN 109071150 A 20181221; CN 109071150 B 20210511; JP 6591660 B2 20191016; JP WO2017168619 A1 20180809; WO 2017168619 A1 20171005

DOCDB simple family (application)

EP 16896839 A 20160330; CN 201680084060 A 20160330; JP 2016060334 W 20160330; JP 2018507926 A 20160330