

Title (en)
DOOR CONTROL DEVICE FOR ELEVATOR

Title (de)
TÜRSTEUERUNGSVORRICHTUNG FÜR EINEN AUFZUG

Title (fr)
DISPOSITIF DE COMMANDE DE PORTE POUR ASCENSEUR

Publication
EP 2565142 A4 20171227 (EN)

Application
EP 10850738 A 20100430

Priority
JP 2010057703 W 20100430

Abstract (en)
[origin: EP2565142A1] There is provided an elevator door control device capable of measuring the weight of an elevator door more correctly. For this purpose, the control device has a configuration including a torque instruction issuing means for issuing torque instructions to a door motor for moving the elevator door, a torque instruction storing means for storing the value of torque instruction at the time when the door is moved at a fixed speed, a door driving force calculating means for calculating the value of the force applied to the door when the door is moved while being accelerated, based on a value obtained by subtracting the value of torque instruction at the time when the door is moved at the fixed speed from the value of torque instruction at the time when the door is moved while being accelerated, and a door weight calculating means for calculating the weight of the door by dividing the value of the force applied to the door when the door is moved while being accelerated by the value of the acceleration of the door at the time when the door is moved while being accelerated.

IPC 8 full level
B66B 13/14 (2006.01)

CPC (source: EP KR)
B66B 13/14 (2013.01 - KR); **B66B 13/146** (2013.01 - EP)

Citation (search report)

- [I] JP 2009155086 A 20090716 - TOSHIBA ELEVATOR CO LTD
- [A] JP 2000159461 A 20000613 - MITSUBISHI ELECTRIC CORP
- [A] WO 2004021094 A1 20040311 - SIEMENS AG [DE]
- See references of WO 2011135723A1

Cited by
EP3875936A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2565142 A1 20130306; EP 2565142 A4 20171227; CN 102869597 A 20130109; CN 102869597 B 20150107; JP 5568633 B2 20140806; JP WO2011135723 A1 20130718; KR 101401698 B1 20140529; KR 20120136401 A 20121218; WO 2011135723 A1 20111103

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EP 10850738 A 20100430; CN 201080066455 A 20100430; JP 2010057703 W 20100430; JP 2012512611 A 20100430; KR 20127027517 A 20100430