Title (en)

ELEVATOR AND RESCUE OPERATION CONTROL METHOD

Title (de)

AUFZUG UND RETTUNGSOPERATIONSTEUERUNGSVERFAHREN

Title (fr)

ASCENSEUR ET PROCÉDÉ DE COMMANDE D'OPÉRATIONS DE SECOURS

Publication

EP 3421405 A4 20191106 (EN)

Application

EP 17756166 A 20170206

Priority

- JP 2016035025 A 20160226
- JP 2017004192 W 20170206

Abstract (en)

[origin: EP3421405A1] Sudden acceleration of a passenger car is prevented at a time of starting to move during brake release operation. An elevator according to the present invention includes: a passenger car; a solenoid coil, a brake device which brakes the movement of the passenger car; a brake power supply; a moving velocity detection means which detects the moving velocity of the passenger car; and a controller which controls a current supplied by the brake power supply according the moving velocity of the passenger car detected by the moving velocity detection means, in which the controller transmits, to the brake power supply, a command for increasing a current (brake current i) supplied to the solenoid coil of the brake device by a predetermined value every time a predetermined time elapses when the passenger car is stopped, and transmits, to the brake power supply, a command for stopping increasing the current (brake current i) supplied to the solenoid coil of the brake device when a velocity change of the passenger car is detected by the moving velocity detection means.

IPC 8 full level

B66B 5/02 (2006.01)

CPC (source: EP)

B66B 5/02 (2013.01)

Citation (search report)

- [IA] WO 2009013821 A1 20090129 - MITSUBISHI ELECTRIC CORP [JP], et al
- See references of WO 2017145725A1

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 3421405 A1 20190102; **EP 3421405 A4 20191106**; CN 108698790 A 20181023; CN 108698790 B 20191224; JP 2017149552 A 20170831; JP 6592376 B2 20191016; WO 2017145725 A1 20170831

DOCDB simple family (application)

EP 17756166 A 20170206; CN 201780010713 A 20170206; JP 2016035025 A 20160226; JP 2017004192 W 20170206