

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF D ASCENSEUR

Publication  
**EP 2452908 A4 20150107 (EN)**

Application  
**EP 09847050 A 20090706**

Priority  
JP 2009062297 W 20090706

Abstract (en)  
[origin: EP2452908A1] Provided is an elevator device using magnetic-pole position estimating control, which is capable of realizing high landing accuracy even in a stopped state and in a super-low speed operation state. The elevator device using a magnetic-pole position estimating method, for estimating a magnetic-pole position by using an induced voltage generated by rotation of a motor of a hoisting machine (11) to perform running control on a car driven by the rotation of the hoisting machine, includes: a detector (32) provided outside the hoisting machine, for detecting a position or a speed of the car; and a control section (20) for determining whether or not the car is in a switched running state according to a running speed of the car or a current position of the moving car, for performing the running control on the car by using the magnetic-pole position estimating control method when it is determined that the car is not in the switched running state, and for performing the running control on the car based on results of detection by the detector when it is determined that the car is in the switched running state.

IPC 8 full level  
**B66B 5/02** (2006.01); **B66B 1/30** (2006.01); **B66B 1/34** (2006.01); **B66B 1/40** (2006.01); **B66B 7/12** (2006.01)

CPC (source: EP KR)  
**B66B 1/30** (2013.01 - KR); **B66B 1/3492** (2013.01 - EP); **B66B 1/40** (2013.01 - EP); **B66B 5/02** (2013.01 - KR); **B66B 7/123** (2013.01 - EP)

Citation (search report)

- [Y] US 2009166134 A1 20090702 - JAHKONEN PEKKA [FI]
- [A] US 4673062 A 19870616 - ISHII TOSHIKI [JP]
- [Y] JP S5931274 A 19840220 - TOKYO SHIBAURA ELECTRIC CO
- See references of WO 2011004445A1

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 2452908 A1 20120516**; **EP 2452908 A4 20150107**; **EP 2452908 B1 20160831**; CN 102471019 A 20120523; CN 102471019 B 20150506; JP 5460712 B2 20140402; JP WO2011004445 A1 20121213; KR 101354827 B1 20140124; KR 20130056148 A 20130529; KR 20130133851 A 20131209; WO 2011004445 A1 20110113

DOCDB simple family (application)  
**EP 09847050 A 20090706**; CN 200980160248 A 20090706; JP 2009062297 W 20090706; JP 2011521718 A 20090706; KR 20117027555 A 20090706; KR 20137024936 A 20090706