

Title (en)  
CONTROL DEVICE FOR ELEVATOR

Title (de)  
STEUERVORRICHTUNG FÜR AUFZÜGE

Title (fr)  
DISPOSITIF DE COMMANDE POUR ASCENSEUR

Publication  
**EP 2716588 A4 20150218 (EN)**

Application  
**EP 11866585 A 20110527**

Priority  
JP 2011002964 W 20110527

Abstract (en)  
[origin: EP2716588A1] An elevator control system includes a converter (24) that converts an electric power from an AC power supply (20) to a DC power, a capacitor 26 that smoothes the DC power, an inverter (30) that converts the DC power to an arbitrary AC power by a gate drive circuit (60) performing on-off control of switching elements (31) and drives a motor (11) moving an elevator car (9), a gate power-source circuit (50) that generates a dc power on the basis of the AC power supply (20) and supplies the dc power to the gate drive circuit (60), a rechargeable battery (52) that supplies a dc power to the gate drive circuit (60) when the AC power supply (20) is lost, a voltage detection unit (80) that detects the output of the gate drive circuit (60), a determination unit (83) that determines whether or not the value of the detected voltage is a threshold value or smaller, and a supply switch (Se) that supplies the dc power from the rechargeable battery (52) to the gate drive circuit (60) when the detected voltage value becomes the threshold value or smaller.

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

CPC (source: EP KR)  
**B66B 1/30** (2013.01 - EP); **B66B 1/308** (2013.01 - EP); **B66B 1/34** (2013.01 - KR); **B66B 5/02** (2013.01 - KR)

Citation (search report)

- [A] JP 2005162442 A 20050623 - MITSUBISHI ELECTRIC CORP
- [A] US 4545464 A 19851008 - NOMURA MASAMI [JP]
- See references of WO 2012164597A1

Cited by  
CN108349692A; US10020765B2; US11292691B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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