Title (en)
    CONTROL DEVICE FOR ELEVATOR

Title (de)
    STEUERVORRICHTUNG FÜR AUFZÜGE

Title (fr)
    DISPOSITIF DE COMMANDE POUR ASCENSEUR

Publication
    EP 2716588 B1 20170405 (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 1/30 (2006.01); **B66B 1/34** (2006.01); **B66B 5/02** (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)

Cited by
    CN108349692A; US10020765B2; US11292691B2

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 2716588 A1 20140409; **EP 2716588 A4 20150218**; **EP 2716588 B1 20170405**; CN 103562108 A 20140205; CN 103562108 B 20151216; JP 5637307 B2 20141210; JP WO2012164597 A1 20140731; KR 101521374 B1 20150518; KR 20140018354 A 20140212; WO 2012164597 A1 20121206

DOCDB simple family (application)
    EP 11866585 A 20110527; CN 201180071173 A 20110527; JP 2011002964 W 20110527; JP 2013517679 A 20110527; KR 20137031362 A 20110527