

Title (en)
ELEVATOR SYSTEM

Title (de)
AUFZUGSYSTEM

Title (fr)
SYSTÈME D'ASCENSEUR

Publication
EP 3480155 A4 20200325 (EN)

Application
EP 17823852 A 20170427

Priority
• JP 2016132387 A 20160704
• JP 2017016861 W 20170427

Abstract (en)
[origin: EP3480155A1] An elevator system includes: a power supply switch that opens and closes a first power source route for connecting a power source and a power converter; a brake circuit that causes a brake to perform a release motion when receiving a supply of electric power from the power source, and causes the brake to perform a braking motion when the supply of the electric power from the power source is blocked; a first contact point that opens and closes a second power source route for connecting the power source and the brake circuit; a second contact point that is parallel-connected to the first contact point and opens and closes the second power source route; a first control circuit that controls opening and closing of the power supply switch; a second control circuit that controls opening and closing of the first contact point; a third control circuit that controls opening and closing of the second contact point; and a controller that controls operation of the power converter and manages the first control circuit, the second control circuit, and the third control circuit as control targets, wherein the controller: issues a command to the first control circuit, during a release operation of the brake, to perform an opening motion of the power supply switch and blocks a supply of the power source to the power converter; issues a command to the second control circuit to perform an opening motion of the first contact point and blocks the supply of the electric power to the brake circuit; and then issues a command to the third control circuit to perform a closing motion of the second contact point and supplies the electric power from the power source to the brake circuit by bypassing the first contact point.

IPC 8 full level
B66B 5/02 (2006.01)

CPC (source: EP KR)
B66B 1/32 (2013.01 - KR); **B66B 5/021** (2013.01 - KR); **B66B 5/027** (2013.01 - EP)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2018008244A1

Cited by
US11584617B2

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 3480155 A1 20190508; EP 3480155 A4 20200325; EP 3480155 B1 20211124; CN 109153538 A 20190104; CN 109153538 B 20200107; JP 2018002405 A 20180111; JP 6578253 B2 20190918; KR 20180134947 A 20181219; WO 2018008244 A1 20180111

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EP 17823852 A 20170427; CN 201780029279 A 20170427; JP 2016132387 A 20160704; JP 2017016861 W 20170427; KR 20187032381 A 20170427