

Title (en)
ELEVATOR SAFETY CIRCUIT DEVICE

Title (de)
SICHERHEITSSCHALTUNGSVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE CIRCUIT DE SÉCURITÉ D'ASCENSEUR

Publication
EP 2360112 A4 20140423 (EN)

Application
EP 08878754 A 20081212

Priority
JP 2008072641 W 20081212

Abstract (en)
[origin: EP2360112A1] In a safety circuit device for an elevator a failure detecting section detects faulty opening corresponding to opening of a first safety switch due to a failure based on a state of the first safety switch and a state of a second safety switch. A switching device connects a first safety circuit to a brake device and disconnects a second safety circuit from the brake device at normal time, and switches a circuit to be connected to the brake device from the first safety circuit to the second safety circuit when the faulty opening is detected by the failure detecting section. A circuit switching time period by the switching device is set shorter than a time period from the opening of the first safety switch to start of a braking operation of the brake device.

IPC 8 full level
B66B 5/02 (2006.01)

CPC (source: EP KR)
B66B 5/02 (2013.01 - KR); **B66B 5/021** (2013.01 - EP); **B66B 5/022** (2013.01 - EP)

Citation (search report)

- [A] JP H0532382 A 19930209 - TOSHIBA CORP
- [A] WO 2005047157 A2 20050526 - KONE CORP [FI], et al
- [A] WO 2008068375 A1 20080612 - KONE CORP [FI], et al
- See references of WO 2010067455A1

Cited by
EP2477925B1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2360112 A1 20110824; EP 2360112 A4 20140423; EP 2360112 B1 20170412; CN 102177082 A 20110907; CN 102177082 B 20130925; JP 5220126 B2 20130626; JP WO2010067455 A1 20120517; KR 101219230 B1 20130109; KR 20110039385 A 20110415; WO 2010067455 A1 20100617

DOCDB simple family (application)
EP 08878754 A 20081212; CN 200880131485 A 20081212; JP 2008072641 W 20081212; JP 2010541944 A 20081212; KR 20117005326 A 20081212