

Title (en)
SAFETY CONTROL DEVICE FOR ELEVATOR

Title (de)
SICHERHEITSSTEUERVORRICHTUNG FÜR AUZÜGE

Title (fr)
DISPOSITIF DE CONTRÔLE DE SÉCURITÉ POUR ASCENSEUR

Publication
EP 2671836 B1 20210324 (EN)

Application
EP 11857587 A 20110202

Priority
JP 2011052133 W 20110202

Abstract (en)
[origin: EP2671836A1] In an elevator safety controlling apparatus, a plurality of landing door switches are divided into a plurality of systems. A safety controlling portion can recognize opening of landing doors independently for each of the systems of the landing door switches. The safety controlling portion detects movement of maintenance workers into a hoistway if the landing door switches of any of the systems indicate an open door state when the car gate switch indicates a closed door state, and if the landing door switches in two or more of the systems indicate an open door state when the car gate switch indicates an open door state.

IPC 8 full level
B66B 5/00 (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP KR)
B66B 5/00 (2013.01 - KR); **B66B 5/0031** (2013.01 - EP); **B66B 13/22** (2013.01 - EP)

Citation (opposition)
Opponent : KONE Corporation
• WO 2010122211 A1 20101028 - KONE CORP [FI], et al
• WO 2008081074 A1 20080710 - KONE CORP [FI], et al
• WO 2008081073 A1 20080710 - KONE CORP [FI], et al
• WO 2006108433 A1 20061019 - OTIS ELEVATOR CO [US], et al
• ANONYMOUS: "CEN/TC 010 Safety rules for the construction and installation of lifts — Part 1: Electric lifts Contents", CEN/TC 010, EN 81-1:1998+A3 SECRETARIAT: AFNOR, August 1998 (1998-08-01), pages 1 - 219, XP055908557

Cited by
US10244374B2; US10676321B2; US11091351B2; US10889465B2; US10669122B2

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 2671836 A1 20131211; **EP 2671836 A4 20160921**; **EP 2671836 B1 20210324**; CN 103328366 A 20130925; CN 103328366 B 20160120; JP 5784049 B2 20150924; JP WO2012105008 A1 20140703; KR 101545797 B1 20150819; KR 20130129430 A 20131128; WO 2012105008 A1 20120809

DOCDB simple family (application)
EP 11857587 A 20110202; CN 201180065486 A 20110202; JP 2011052133 W 20110202; JP 2012555635 A 20110202; KR 20137022681 A 20110202