

Title (en)

STRUCTURE FOR PREVENTING THE SEPARATION OF ELEVATOR CAR DOORS

Title (de)

STRUKTUR ZUM VERHINDERN DER TRENNUNG VON AUFZUGSKABINENTÜREN

Title (fr)

STRUCTURE POUR EMPÊCHER LA SÉPARATION DES PORTES D'UNE CABINE D'ASCENSEUR

Publication

EP 2295364 A4 20141203 (EN)

Application

EP 09762658 A 20090610

Priority

- KR 2009003108 W 20090610
- KR 20080054294 A 20080610

Abstract (en)

[origin: EP2295364A2] A structure for preventing the separation of elevator car doors is provided, which can prevent the separation of doors due to an abnormal impact or external force. The structure for preventing the separation of elevator car doors includes left and right doors having lower portions with respective shoes installed therein; sills having rail grooves into which the shoes are inserted; locking brackets which are formed on lower end portions of the left and right doors, which have "##"-shaped cross sections, and which include vertical portions and horizontal portions; and grooves or projection portions which are formed on inner walls of the rail grooves and into which front ends of the horizontal portions of the locking brackets are inserted.

IPC 8 full level

B66B 13/30 (2006.01)

CPC (source: EP KR)

B66B 13/08 (2013.01 - KR); **B66B 13/24** (2013.01 - KR); **B66B 13/30** (2013.01 - KR); **B66B 13/301** (2013.01 - EP)

Citation (search report)

- [XAI] KR 20010027076 A 20010406 - LG OTIS ELEVATOR CO [KR] & DATABASE WPI Week 200162, Derwent World Patents Index; AN 2001-555694
- [XAI] JP 2004224494 A 20040812 - MITSUBISHI ELECTRIC CORP & DATABASE WPI Week 200455, Derwent World Patents Index; AN 2004-566930
- [XAI] JP 2005096977 A 20050414 - TOSHIBA ELEVATOR CO LTD & DATABASE WPI Week 200529, Derwent World Patents Index; AN 2005-277953
- [A] KR 20080013833 A 20080213 - OTIS ELEVATOR CO [US] & DATABASE WPI Week 200863, Derwent World Patents Index; AN 2008-K61708
- See references of WO 2009151271A2

Designated contracting state (EPC)

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