

Title (en)

ELEVATOR HOISTWAY DOOR SEPARATION PREVENTIVE STRUCTURE

Title (de)

STRUKTUR ZUR VERMEIDUNG DER TRENNUNG EINER AUFZUGSSCHACHTTÜR

Title (fr)

STRUCTURE DE PRÉVENTION DE LA SÉPARATION DE LA PORTE PALIÈRE D'ASCENSEUR

Publication

EP 2269936 A2 20110105 (EN)

Application

EP 09733393 A 20090420

Priority

- KR 2009002041 W 20090420
- KR 20080035946 A 20080418

Abstract (en)

An elevator hoistway door separation preventive structure having left and right doors having lower portions with respective shoes installed therein and a sill having a groove for guiding the shoes is provided, which includes a stepped portion formed on a lower end of the shoe by bending a lower end of the shoe, and a slit formed on an inner surface of the groove of the sill to correspond to the stepped portion. According to the elevator hoistway door separation preventing structure, the separation of the hoistway door is prevented or blocked with improved shoe and sill structures of the door even if an abnormal impact or force is applied to the hoistway door, and unnecessary expenses for preventing the separation of the door is reduced through reinforcement of the entire strength of the door. Also, a user or a resident is prevented from falling into the shaft due to the separation of the hoistway door that occurs frequently caused by the abnormal impact.

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

Cited by

CN102718117A

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Designated extension state (EPC)

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EP 2269936 A2 20110105; **EP 2269936 A4 20150819**; **EP 2269936 B1 20170308**; CN 102007063 A 20110406; CN 102007063 B 20150506; JP 2011516367 A 20110526; JP 5647973 B2 20150107; KR 100956924 B1 20100511; KR 20090110441 A 20091022; WO 2009128686 A2 20091022; WO 2009128686 A3 20100218

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