

Title (en)
LANDING DOOR OF ELEVATOR

Title (de)
ETAGENTÜR FÜR AUFZUG

Title (fr)
PORTE PALIERE POUR ASCENSEUR

Publication
EP 1418150 A4 20060809 (EN)

Application
EP 01956931 A 20010817

Priority
JP 0107072 W 20010817

Abstract (en)
[origin: EP1418150A1] An elevator landing door has a reinforcement member (2) provided on a back of a door panel (1) for enhancing rigidity. The elevator landing door has an adhesive (3) for bonding the door panel (1) and the reinforcement member (2) together and a thermally-expanding agent (4) interposed between the door panel (1) and the reinforcement member (2). Upon exposure to intense heat stemming from occurrence of fire or the like, the thermally-expanding agent (4) inflates, thereby separating the door panel (1) from the reinforcement member (2). Hence, there can be prevented deformation of the door panel (1), which would otherwise be caused by a difference between the door panel (1) and the reinforcement member (2) in terms of coefficient of thermal expansion. As a result, the entrance of the elevator can be sealed by the door panel (1) without fail, thereby preventing intrusion of smoke and flame into a car compartment or a hoistway. <IMAGE>

IPC 1-7
B66B 13/30; **E06B 5/16**

IPC 8 full level
B66B 13/30 (2006.01); **E06B 5/16** (2006.01); **E06B 3/82** (2006.01)

CPC (source: EP)
B66B 13/303 (2013.01); **E06B 5/16** (2013.01); **E06B 3/827** (2013.01)

Citation (search report)

- [A] EP 0479239 A2 19920408 - MITSUBISHI ELECTRIC CORP [JP]
- [A] FR 2044247 A5 19710219 - ARMCO
- [A] WO 0159245 A1 20010816 - TAESLER RALF [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24 11 May 2001 (2001-05-11)
- See references of WO 03016193A1

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EP1847502A1; EP2042464A4; EP3363761A1; EP3366632A1; EP3388382A1; EP3388383A1; US7854102B2

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