

Title (en)

MALE AND FEMALE DEVICES FOR COUPLING BETWEEN A CAR DOOR AND A LANDING DOOR IN AN ELEVATOR INSTALLATION WITH SLIDING DOORS

Title (de)

MÄNNLICHE UND WEIBLICHE VORRICHTUNGEN ZUR KOPPLUNG ZWISCHEN EINER KABINETÜR MIT EINER SCHACHTTÜR IN EINER AUFZUGSANLAGE MIT SCHIEBETÜREN

Title (fr)

DISPOSITIFS MÂLE ET FEMELLE POUR COUPLAGE ENTRE UNE PORTE ET UNE PORTE PALIÈRE DANS UNE INSTALLATION D'ASCENSEUR AVEC DES PORTES COULISSANTES

Publication

EP 3556707 A1 20191023 (EN)

Application

EP 18382263 A 20180419

Priority

EP 18382263 A 20180419

Abstract (en)

A male device (101) for coupling between a car door and a landing door in an elevator installation with sliding doors, with a support (5) attachable to an actuator (3) of a door that can adopt several relative positions with respect to a base (10) attachable to a leaf (2) of said door, the support being provided with a male group (4) that, when the support (5) is moved with respect to the base (10), from a retracted and standby position, said male group can be unfolded to an operative position wherein only then does the male element couple to the female device (102) of the landing door. A female device (102) especially suitable for this coupling having two support elements (25, 26) with the capacity to move closer and hold the male group (4) when the latter pushes the female device (102) during the opening operation of the doors.

IPC 8 full level

B66B 13/12 (2006.01)

CPC (source: EP)

B66B 13/12 (2013.01)

Citation (applicant)

- EP 2714568 A1 20140409 - INVENTIO AG [CH]
- US 2012298453 A1 20121129 - FUJII SATOSHI [JP], et al
- EP 2287104 A1 20110223 - WITTUR HOLDING GMBH [DE]
- EP 2566802 A1 20130313 - INVENTIO AG [CH]
- WO 2011043378 A1 20110414 - MITSUBISHI ELECTRIC CORP [JP], et al

Citation (search report)

- [XA] EP 2543618 A1 20130109 - PRISMA S P A [IT]
- [XA] US 3638762 A 19720201 - JOHNS CALVIN EDWARD
- [A] EP 0829446 A1 19980318 - INVENTIO AG [CH]
- [A] JP 2001058780 A 20010306 - OTIS ELEVATOR CO

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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