

Title (en)
SYSTEM ALLOWING THE ACTUATION AND TRANSLATIONAL MOVEMENT OF SLIDING DOORS

Title (de)
SYSTEM ZUR BETÄTIGUNG UND TRANSLATORISCHEN BEWEGUNG VON SCHIEBETÜREN

Title (fr)
SYSTÈME D'ACTIONNEMENT ET DE TRANSLATION DE PORTES COULISSANTES

Publication
EP 2937501 A4 20161116 (EN)

Application
EP 12890504 A 20121218

Priority
ES 2012070875 W 20121218

Abstract (en)
[origin: EP2937501A1] The invention relates to a system allowing the actuation and translational movement of sliding doors, wherein, for each door leaf, the system comprises a moving frame (1) which is fixed to a leaf support (10) that can be fixed to the door leaf, where said moving frame (1) can move a given release distance in a direction perpendicular to the plane formed by the door leaf, in collaboration with a release guide (2), and where said moving frame (1) can move in a combined manner in a direction parallel to the door leaf, in collaboration with an opening guide (3), defining two end door leaf-closing and -opening positions, said moving frame (1) being actuated by a drive assembly (11, 12), where said moving frame (1) is attached to a supporting element (19) which is attached to a rolling assembly (20) which, in any position, is kept in contact with an inverted T-section (9) the configuration of which defines the path of the leaf between whichever of the closing and opening positions, the system comprising a guide element (17) comprising a casing (18) that is associated with the supporting element (19) such that, in any position, said guide element (17) and said supporting element (19) are kept in contact with the possibility of moving in relation to one another in a direction substantially perpendicular to the leaf, where said casing (18) of the guide element (17) receives the movement thereof from the drive assembly (11, 12).

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Citation (search report)

- [XAYI] EP 1197413 A2 20020417 - WESTINGHOUSE AIR BRAKE TECH CORP [US]
- [Y] US 2011041408 A1 20110224 - LOPEZ SAEZ ALBERTO [ES], et al
- See references of WO 2014096465A1

Cited by
CN113682750A; FR3106325A1

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