

Title (en)

SYSTEM FOR MOVING ON SINGLE RAIL THE TELESCOPIC DOORS OF AN ELEVATOR CABIN AND THE FLOOR DOORS

Title (de)

SYSTEM ZUR BEWEGUNG DER AUSZIEHBAREN TÜREN EINER AUFZUGSKABINE UND DER BODENTÜREN AUF EINER EINZELSCHIENE

Title (fr)

SYSTÈME DE DÉPLACEMENT SUR UN SEUL RAIL DES PORTES TÉLESCOPIQUES D'UNE CABINE D'ASCENSEUR ET DES PORTES D'ÉTAGE

Publication

EP 2485976 B1 20130605 (EN)

Application

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Priority

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Abstract (en)

[origin: WO2011042924A1] The system for moving the cabin elevator doors and/or the floor doors can be used by two telescopic doors and either four panels center operating doors or asymmetrically operating doors. Each of the two (or four) doors of the cabin is fixed to a respective carriage with two or more wheels sliding along a single horizontal rail mounted on the external frame of the cabin on top of the roof. The system is also utilizable for the floor doors. The rail consists of a longitudinal flat wall disposed horizontally in the direction of its length and vertically in direction of the width. The longitudinal edges of the wall are bent substantially at a right angle, extending for a short length with a varyingly curved crosswise profile suitable for creating on both sides a guide track for the wheels of the carriages. To each load-bearing wheel guided externally to the rail on its upper edge, a respective counter-wheel is associated guided externally to the rail against the wall of the lower edge. The same approach is used for the pairs of wheels and counter- wheels guided inside the rail.

IPC 8 full level

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