

Title (en)

STRUCTURE FOR PREVENTING DEVIATION OF ELEVATOR DOORS AND INSERTION OF FOREIGN OBJECTS

Title (de)

STRUKTUR ZUR VERHINDERUNG VON MASSABWEICHUNGEN VON AUFZUGTÜREN UND DES EINDRINGENS VON FREMDKÖRPERN

Title (fr)

STRUCTURE PERMETTANT D'EMPÊCHER L'ÉCART DE PORTES D'ASCENSEUR ET L'INSERTION DE CORPS ÉTRANGERS

Publication

EP 2327649 B1 20190313 (EN)

Application

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Abstract (en)

[origin: EP2327649A2] A structure for preventing deviation of elevator doors and insertion of foreign objects is provided, which can prevent opening of elevator hoistway doors by an external force and accidents caused by such opening of the elevator doors, and prevent insertion of foreign objects into a rail groove. The structure for preventing deviation of elevator doors and insertion of foreign objects includes left and right doors having sills installed on lower portions thereof, a sill having a rail groove into which the sills are inserted, and a locking bracket installed at lower ends of the left and right doors, wherein a locking groove, into which a front end of a horizontal portion of the locking bracket is inserted, is formed on an inner side wall of the rail groove, the locking bracket is a rectangular metal plate attached to the lower ends of the left and right doors with a "##"-shaped cross-section through bending of one portion of the lower end in one side direction, a middle bent portion obtained through double-bending in horizontal and vertical directions is further formed in a middle region of the locking bracket, and an elongated hole of a predetermined length is formed in a lower portion of the middle bent portion.

IPC 8 full level

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CPC (source: EP KR)

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