

Title (en)

HANGER PLATE FOR ELEVATOR AND ELEVATOR DOOR DEVICE COMPRISING THE SAME

Title (de)

AUFHÄNGUNGSPLATTE FÜR EINEN AUFZUG UND AUFZUGTÜRVORRICHTUNG DAMIT

Title (fr)

PLAQUE DE SUSPENSION POUR ASCENSEUR ET DISPOSITIF DE PORTE D'ASCENSEUR COMPRENANT UNE TELLE PLAQUE

Publication

EP 2269934 A4 20150107 (EN)

Application

EP 09738951 A 20090428

Priority

- KR 2009002201 W 20090428
- KR 20080039364 A 20080428

Abstract (en)

[origin: EP2269934A2] An elevator door device is provided, which includes a hanger case installed on an upper part of an elevator doorway and having a hanger rail formed in a width direction of the elevator doorway; a hanger plate connected to a roller rotating on the hanger rail to move in the width direction of the elevator doorway in response to the rotation of the roller on the hanger rail; and an elevator door engaged with the hanger plate to open/close the elevator doorway according to the left/right movement of the hanger plate. Here, the hanger plate has a first embossing portion, which is forwardly projected or backwardly recessed, formed thereon in a vertical direction, and the first embossing portion is formed to pass through a line extended in the width direction from a point that corresponds to the center of the roller. Accordingly, the rigidity of a part or the whole of the hanger plate can be easily and inexpensively increased to meet the desired level without changing the material of the hanger plate or increasing the thickness thereof, and thus the secession of the elevator door due to the deformation of the hanger plate can be prevented even if a force is applied to the elevator door.

IPC 8 full level

B66B 13/02 (2006.01); **B66B 13/08** (2006.01)

CPC (source: EP KR)

B66B 13/02 (2013.01 - EP KR); **B66B 13/08** (2013.01 - EP)

Citation (search report)

- [XA] JP H0342490 A 19910222 - MITSUBISHI ELECTRIC CORP
- See references of WO 2009134045A2

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