

Title (en)

Door system comprising a door leaf which is movably mounted in guide sections on both long sides as well as a counterweight device and a cable tension compensation device

Title (de)

Türsystem mit einem Türblatt, das an beiden langen Seiten beweglich in Führungsabschnitte montiert ist, sowie eine Gegengewichtsvorrichtung und eine Kabelspannungskompensierungsvorrichtung

Title (fr)

Système de porte comprenant un panneau de porte qui est monté mobile dans des sections de guidage sur les deux côtés longs ainsi qu'un dispositif de contrepoids et un dispositif de compensation de tension de câble

Publication

EP 2631401 B1 20150729 (EN)

Application

EP 13155456 A 20130215

Priority

NL 2008338 A 20120223

Abstract (en)

[origin: EP2631401A1] A door system comprises a door leaf (4) which is movably mounted in guide sections (5) on both long sides, as well as a counterweight device (11) provided with a cable unit (12) comprising at least two cable parts (13) extending substantially parallel to each other. The cable unit is connected to the movable door leaf with a first end (16), whilst a second end (22) takes up a stationary position, said cable unit at least extending over a movable pulley (20) between said first and said second end, which counterweight device further comprises a spring unit (14) which engages the movable pulley, as well as a cable tension compensation device (41) working in concert with the cable unit for loading the cable parts substantially equally. The cable tension compensation device is provided with a compensation element (42) disposed between two cable parts, which is provided with a cable guide on either side thereof, against each of which cable guides a cable part abuts. The compensation element (42) is movable at least in a direction substantially transversely to the longitudinal direction of the cable parts under the influence of cable forces exerted on the compensation element by the cable parts.

IPC 8 full level

E05D 13/00 (2006.01)

CPC (source: EP)

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