

Title (en)

Weight counterbalancing device for a door with a raisable curtain.

Title (de)

Vorrichtung zum Gewichtsausgleich für ein Tor mit hebbarem Vorhang.

Title (fr)

Dispositif d'équilibrage pour porte de manutention à rideau relevable.

Publication

EP 0562917 A2 19930929 (FR)

Application

EP 93400691 A 19930318

Priority

FR 9203706 A 19920327

Abstract (en)

Weight counterbalancing device for a door with a raisable shutter, the device comprising a shaft (2) controlling the winding of a shutter (1) or straps for raising a shutter, the said shaft bearing two drums (3, 4) for winding belts (7, 8) on which two counterweights (5, 6) are suspended, characterised in that the belt referred to as the long belt for suspension of a counterweight referred to as the long counterweight, having a mass M6 referred to as the long mass (6), has a length corresponding to the complete travel of the said shutter, while the belt referred to as the short belt of the other counterweight (5) referred to as the short counterweight, having a mass M5 referred to as the short mass, is shorter and is mounted on the corresponding drum (3) in such a manner as to be able to wind in both directions. <IMAGE>

Abstract (fr)

Dispositif d'équilibrage pour porte de manutention à rideau relevable comportant un arbre (2) commandant l'enroulement d'un rideau (1) ou de sangles de relevage d'un rideau, ledit arbre portant deux tambours (3,4) pour enrouler des courroies (7,8) de suspension de deux contrepoids (5,6), caractérisé en ce que la courroie dite courroie longue (8), de suspension d'un contrepoids (6) dit contrepoids long ayant une masse M6 dite masse longue a une longueur correspondant à la course complète dudit rideau, tandis que la courroie dite courroie courte (7) de l'autre contrepoids (5) dit contrepoids court, ayant une masse M5 dite masse courte est plus courte et est montée sur le tambour correspondant (3) de façon à pouvoir s'enrouler dans les deux sens. <IMAGE>

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IPC 8 full level

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