

Title (en)

Single panelled overhead door with a counterbalancing device using a lever mechanism

Title (de)

Einblatt-Überkopftor mit einer über ein Hebelwerk wirkenden Gewichtsausgleichseinrichtung

Title (fr)

Porte basculante à panneau unique avec dispositif d'équilibrage utilisant un mécanisme de levier

Publication

EP 0982456 B1 20041103 (DE)

Application

EP 99116954 A 19990827

Priority

DE 29815487 U 19980828

Abstract (en)

[origin: EP0982456A2] The spring band (15) is designed to pass round the lever bearing (78) so that in the closed door the lever (7) is loaded with a pre-tension force passing through or near the lever pivot axis (A). The spring encloses the bearing (78) in a spring recess or step (77) and a pre-tensioner is provided to adjust the pre-tension of the door plate (2) from the closed setting. This pre-tensioner includes a support for the spring in the recessed area set so the spring (15) thrusts off the door case (1) or connected part so the spring itself acts as transmission lever to pre-tension door from closed via the effect of the spring acting on the lever (7). The support specified consists of an adjuster screw (85) located at set length in a tapped spring hole.

IPC 1-7

E05D 13/00; **E05F 15/16**

IPC 8 full level

E05D 13/00 (2006.01); **E05D 15/42** (2006.01); **E05F 1/10** (2006.01); **E05F 15/16** (2006.01); **E06B 1/52** (2006.01); **E05D 15/40** (2006.01)

CPC (source: EP)

E05D 13/1215 (2013.01); **E06B 1/522** (2013.01); **E05D 15/401** (2013.01); **E05D 15/425** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/696** (2013.01); **E05Y 2900/106** (2013.01)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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