

Title (en)

Telescopic counterbalance device for up-and over doors.

Title (de)

Ausgleichsvorrichtung für Schwingtore.

Title (fr)

Equilibreur télescopique pour porte basculante.

Publication

EP 0338951 A1 19891025 (FR)

Application

EP 89420143 A 19890420

Priority

FR 8805356 A 19880422

Abstract (en)

The telescopic counterbalance device for up-and-over doors makes it possible to open such a door and keep it in the opened position. It comprises two tubular components (1, 10) engaged one into the other in an overlap zone (19) and containing a helical spring (30). The front zone (3) of one (1) of the components has a cross-section (4) which is not of revolution and co-operates with the corresponding cross-section (14) of the rear zone (26) of the other component, to allow sliding without any angular displacement about the axis. The front zone (3) of the inner component cannot pass through the front zone (20) of the outer component without the plastic deformation of at least one of the two as a result of the abutment effect. The invention is used for the doors of garages, workshops or the like. <IMAGE>

IPC 1-7

E05F 1/10; F16F 1/12

IPC 8 full level

E05D 15/38 (2006.01); **E05F 1/00** (2006.01); **E05F 1/10** (2006.01); **F16F 1/12** (2006.01)

CPC (source: EP)

E05D 13/1238 (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

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