

Title (en)

Rolling closure device with fixed shaft, counterbalance spring and latching mechanism

Title (de)

Aufrollbare Verschlusseinrichtung mit Festwelle, Federgewichtsausgleich und Verriegelungseinrichtung

Title (fr)

Dispositif de fermeture à enroulement à axe fixe, ressort d'équilibrage et dispositif de verrouillage

Publication

EP 0768445 B1 20010110 (FR)

Application

EP 96440081 A 19961009

Priority

FR 9512069 A 19951009

Abstract (en)

[origin: EP0768445A1] The roller door or grille is designed to roll up round a shaft (1) set horizontally above the doorway when raised. It is equipped with a balancing spring to take the weight of the door/grille. A safety mechanism prevents it from falling in the event of the balancing spring breaking. The safety mechanism is positioned between the shaft and the balancing spring. A spring-loaded catch (60) flies outwards if the balancing spring breaks, engaging with a horizontal member of the door/grille and preventing it from dropping suddenly. The catch is held in its passive position by a retaining peg (63) on a moving hub (53). It is also connected to the hub by a spring (65). In the event of the balancing spring breaking the hub, it is moved by the spring (65), releasing the catch so that it instantly stops the door/grille.

IPC 1-7

E06B 9/84; **E06B 9/60**

IPC 8 full level

E06B 9/174 (2006.01); **E06B 9/60** (2006.01); **E06B 9/84** (2006.01)

CPC (source: EP)

E06B 9/174 (2013.01); **E06B 9/60** (2013.01); **E06B 9/84** (2013.01)

Cited by

FR2875838A1; EP0845575A1; FR2756319A1; EP1030028A1; FR2790033A1; EP0922832A1; FR2772070A1; CN114909075A; GB2428758A; EP1748146A3; GB2428758B; FR2783863A1; FR2793837A1; EP2017431A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0768445 A1 19970416; **EP 0768445 B1 20010110**; AT E198635 T1 20010115; DE 69611498 D1 20010215; FR 2739656 A1 19970411; FR 2739656 B1 19971121

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