

Title (en)

Security device for a roller shutter or a roller door

Title (de)

Sicherungsvorrichtung für einen Rolladen oder ein Rolltor

Title (fr)

Dispositif de sécurité pour un volet à rouleau ou une porte enroulable

Publication

EP 0774561 A3 19981230 (DE)

Application

EP 96103861 A 19960312

Priority

DE 19542565 A 19951115

Abstract (en)

[origin: EP0774561A2] The device prevents a roller shutter or door from unrolling automatically, and has at least one crown wheel (33). The latter is fixed so that it rotates with the shaft of the shutter, or with an auxiliary shaft (34) which is coupled to this. The wheel rotates inside a fixed notched ring (31.1), and rolling elements (32) are arranged in the spaces between its teeth. The elements move radially outwards due to centrifugal effects, if the shaft rotates at a correspondingly high speed, in order to engage in a recess (31.4) in the upper region of the ring. The recess lies in the inner diameter of the ring, and a rolling element can become wedged between it and a tooth on the wheel. The rolling elements may be balls, cylinders, or pins.

IPC 1-7

E06B 9/84

IPC 8 full level

E06B 9/84 (2006.01)

CPC (source: EP)

E06B 9/84 (2013.01)

Citation (search report)

- [X] DE 3113043 A1 19821028 - NEUKIRCHEN W U H GMBH CO KG [DE]
- [A] EP 0497711 A1 19920805 - SIMU [FR]
- [X] DE 3415878 A1 19851031 - HAAKE WERNER
- [X] DE 8104543 U1 19810723
- [X] DE 3300331 C1 19840510 - HAAKE WERNER

Cited by

CN109882062A; EP0969180A3; CN106193981A; WO0028187A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB LI NL

DOCDB simple family (publication)

EP 0774561 A2 19970521; EP 0774561 A3 19981230; DE 19542565 A1 19970522

DOCDB simple family (application)

EP 96103861 A 19960312; DE 19542565 A 19951115