

Title (en)
AUTOMATIC SAFETY DEVICE FOR A ROLLER SHUTTER

Publication
EP 0043021 B1 19831116 (DE)

Application
EP 81104584 A 19810613

Priority
DE 3024986 A 19800702

Abstract (en)
[origin: US4458929A] The subject of the invention is an automatic locking mechanism for a revolving shutter to protect the latter against unauthorized pulling up from the outside, using a locking device which is moved into the locking position after the revolving-shutter casing has been lowered. The device has a lateral axle bearing, with a round bearing element (11) for a belt pulley (2) and a fixed square bearing pin (8) connected thereto and the end of which is designed as a round cylinder. The belt pulley (2) has an annular web (2a) and the roller insertion cap (1) has an annular web (1a), the side webs (1a/2a) having different diameters and interlocking coaxially. A pivotable locking lever (6) engages positively through coinciding gaps. In the lowered state of the revolving-shutter casing, the lever (6) engages with the fixed bearing pin (8) and clamps belt pulley and roller insertion cap against unauthorized turning, so that the revolving-shutter roller connected to the roller insertion cap is also locked.

IPC 1-7
E06B 9/209

IPC 8 full level
E06B 9/86 (2006.01); **E06B 9/80** (2006.01)

CPC (source: EP US)
E06B 9/86 (2013.01 - EP US); **E06B 2009/802** (2013.01 - EP US); **Y10T 292/0934** (2015.04 - EP US)

Cited by
GB2148366A; EP1018592A1; EP1067270A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0043021 A1 19820106; **EP 0043021 B1 19831116**; AT E5342 T1 19831215; DE 3024986 A1 19820128; DE 3161420 D1 19831222; US 4458929 A 19840710

DOCDB simple family (application)
EP 81104584 A 19810613; AT 81104584 T 19810613; DE 3024986 A 19800702; DE 3161420 T 19810613; US 27916981 A 19810630