

Title (en)
MULTI-POINT LOCK FOR ROLLER SHUTTER

Title (de)
MEHRFACHVERRIEGELUNG FÜR ROLLADEN

Title (fr)
SERRURE MULTI-POINT POUR VOLET ROULANT

Publication
EP 3401497 A1 20181114 (EN)

Application
EP 18386012 A 20180510

Priority
GR 20170100217 A 20170510

Abstract (en)
Multi-point lock of the roller shutter consisting of the safety guide rail(5) the mounting brackets (1) with the locking mounts (2) on each guide rail, the pins (3) on each base with the bolt (4) for a second shaft, a spring (7) at the end rail of each guide rail, wire (6) for transmission, the starter (10) within the shaft cup, the striker of the starter(8) and finally two rope bases (9± - 9²) for transmission under angle. The roller shutter curtain ends at the end rail of the rolling shutter, the starter is released, the point of the exit of the starter no longer exits, it activates the striker of the starter, it pulls the wire ropes, the ropes rotate the support bases of the pins, the pins make a straight motion and lock the roller starter curtain. The unlocking is made by the springs pulling back the wire ropes when the starter enters the shaft mug. The advantage of this invention is that human intervention is not necessary to lock or unlock the roller shutter.

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

CPC (source: EP GR)
E05B 47/00 (2013.01 - GR); **E05B 65/00** (2013.01 - GR); **E05C 9/00** (2013.01 - GR); **E06B 9/86** (2013.01 - EP GR);
E06B 2009/804 (2013.01 - EP)

Citation (search report)
• [A] EP 0670410 A1 19950906 - HARTMANN HELMUT [DE]
• [A] FR 2636092 A1 19900309 - PEYRICHOU FERMETURES HENRI [FR]
• [A] DE 1759993 A1 19711111 - MAXEIN RUDOLF
• [A] FR 2362982 A1 19780324 - LAUZIER RENE [FR]

Cited by
CN110130819A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3401497 A1 20181114; GR 1009410 B 20181204; GR 20170100217 A 20190225

DOCDB simple family (application)
EP 18386012 A 20180510; GR 20170100217 A 20170510