

Title (en)
MOTORIZED ROLLER SHUTTER

Title (de)
MOTORISIERTER ROLLLADEN

Title (fr)
VOLET ROULANT MOTORISÉ

Publication
EP 3241975 A1 20171108 (EN)

Application
EP 16382197 A 20160505

Priority
EP 16382197 A 20160505

Abstract (en)
First aspect: It comprises: panel of slats (1, 2, 43); and locking device of the panel when the lower slat (2) reaches the lower position, and comprising a tilting retaining element (24) with: cam portion (45), to contact the lower slat (2) and tilt the retaining element (24) to a lower position; and ratchet portion (46), to hook the lower slat (2) in locked position locking the panel. Retaining element (24) tilts between locked position, and released position where the ratchet portion (46) does not hook the lower slat (2). It allows automatic locking of the panel. Second aspect: It comprises connection elements (8), connecting adjacent slats (1, 2, 43), and comprising: upper and lower members articulated to one another and connected to the slats (1, 2, 43); and torsion spring (15) to force upper and lower members to pivot to approximate slats (1, 2, 43). It allows selective visibility, lighting and ventilation.

IPC 8 full level
E06B 9/86 (2006.01); **E06B 9/165** (2006.01); **E06B 9/15** (2006.01); **E06B 9/17** (2006.01); **E06B 9/80** (2006.01)

CPC (source: EP)
E06B 9/165 (2013.01); **E06B 9/86** (2013.01); **E06B 9/17076** (2013.01); **E06B 2009/1522** (2013.01); **E06B 2009/1555** (2013.01); **E06B 2009/1583** (2013.01); **E06B 2009/805** (2013.01)

Citation (applicant)
• US 2921628 A 19600119 - ALFONSO ALVAREZ
• FR 1508003 A 19671229
• ES 225708 U 19770316
• US 6371189 B1 20020416 - AZOULAI HAIM [IL]

Citation (search report)
• [AD] US 6371189 B1 20020416 - AZOULAI HAIM [IL]
• [A] DE 19948817 A1 20010412 - WIRAL ROLLADENFERTIGUNGS UND V [DE]

Cited by
PL424417A1

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 3241975 A1 20171108; EP 3241975 B1 20190918; ES 2762923 T3 20200526; WO 2017191352 A1 20171109

DOCDB simple family (application)
EP 16382197 A 20160505; ES 16382197 T 20160505; ES 2017070281 W 20170505