

Title (en)

DEVICE WITH SHUTTER WINDING ABOUT A DRUM

Title (de)

VERSCHLUSSEINRICHTUNG ZUM WICKELN AUF EINE WELLE

Title (fr)

DISPOSITIF A VOLET ENROULABLE AUTOUR D'UN TAMBOUR

Publication

**EP 1518036 B1 20160727 (FR)**

Application

**EP 03729737 A 20030613**

Priority

- BE 0300106 W 20030613
- BE 200200387 A 20020613

Abstract (en)

[origin: WO03106801A1] The invention concerns a device with a shutter co-operating with driving means for moving the shutter (1) between an opening position and a closing position, said shutter (1) being guided by a guide path (4, 5) and being designed for closing an aperture (6) or any other opening, said device comprising a drum (8) about which the shutter is wound in the latter's opening position forming a roll (31) consisting of coils formed by several layers of the shutter (1), and from which the shutter (1) can be unwound to its closing position, wherein confinement means are provided for preventing the coils from forming creases when the shutter is being moved (1) towards its closing position and/or from sliding relative to one another.

IPC 8 full level

**E06B 9/15** (2006.01); **E06B 9/171** (2006.01); **E06B 9/13** (2006.01); **E06B 9/17** (2006.01); **E06B 9/56** (2006.01); **E06B 9/11** (2006.01)

CPC (source: EP KR US)

**E06B 9/11** (2013.01 - KR); **E06B 9/17** (2013.01 - EP KR US); **E06B 9/56** (2013.01 - EP US); **E06B 2009/1561** (2013.01 - EP US);  
**E06B 2009/1716** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 03106801 A1 20031224**; AU 2003242062 A1 20031231; AU 2003242062 B2 20081002; BE 1016275 A3 20060704;  
BR 0305067 A 20041109; BR 0305067 B1 20121002; CA 2487812 A1 20031224; CA 2487812 C 20110111; CN 100449106 C 20090107;  
CN 1659356 A 20050824; DK 1518036 T3 20161107; EP 1518036 A1 20050330; EP 1518036 B1 20160727; ES 2593004 T3 20161205;  
IL 165733 A0 20060115; JP 2005529262 A 20050929; JP 2011144630 A 20110728; JP 4806186 B2 20111102; KR 101059049 B1 20110824;  
KR 20050010852 A 20050128; MX PA04012385 A 20050225; NO 20040628 L 20040325; NZ 536843 A 20070928; PL 212432 B1 20120928;  
PL 373138 A1 20050822; PT 1518036 T 20161004; RU 2005100506 A 20051110; RU 2326225 C2 20080610; UA 82844 C2 20080526;  
US 2006037718 A1 20060223; US 7275581 B2 20071002; ZA 200409818 B 20060726

DOCDB simple family (application)

**BE 0300106 W 20030613**; AU 2003242062 A 20030613; BE 200200387 A 20020613; BR 0305067 A 20030613; CA 2487812 A 20030613;  
CN 03813471 A 20030613; DK 03729737 T 20030613; EP 03729737 A 20030613; ES 03729737 T 20030613; IL 16573304 A 20041212;  
JP 2004513598 A 20030613; JP 2011043013 A 20110228; KR 20047019606 A 20030613; MX PA04012385 A 20030613;  
NO 20040628 A 20040212; NZ 53684303 A 20030613; PL 37313803 A 20030613; PT 03729737 T 20030613; RU 2005100506 A 20030613;  
UA 2005000288 A 20030613; US 51737604 A 20041210; ZA 200409818 A 20041203