

Title (en)  
SHUTTER DEVICE FOR CLOSING AN APERTURE

Title (de)  
VERSCHLUSSVORRICHTUNG FÜR DAS SCHLIESSEN EINER ÖFFNUNG

Title (fr)  
DISPOSITIF A VOLET DESTINE A LA FERMETURE D'UNE BAIE

Publication  
**EP 1334255 B1 20070801 (FR)**

Application  
**EP 01971523 A 20010913**

Priority  
• EP 01971523 A 20010913  
• BE 0100154 W 20010913  
• EP 00120844 A 20000925

Abstract (en)  
[origin: EP1191184A1] The shutter (1), designed to cover a wall opening (3) and move relative to guide tracks fixed to angle brackets (15) at the sides, has transmission members between the guide tracks and the shutter edges which separate at least partially from the shutter in the event of a lateral force above a set level being applied to the shutter. The transmission members are connected to the shutter by clamps that apply an elastic pressure to the shutter or to projecting edges, and are connected to the shutter drive system which moves them along the lateral guide tracks.

IPC 8 full level  
**E06B 9/13** (2006.01); **E06B 9/02** (2006.01); **E06B 9/58** (2006.01)

CPC (source: EP KR US)  
**E06B 9/13** (2013.01 - EP US); **E06B 9/56** (2013.01 - KR); **E06B 9/581** (2013.01 - EP US); **E06B 2009/585** (2013.01 - EP US);  
**E06B 2009/587** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)  
RO

DOCDB simple family (publication)  
**EP 1191184 A1 20020327**; AR 030759 A1 20030903; AT E368793 T1 20070815; AU 2001291522 B2 20070125; AU 9152201 A 20020402; BG 107660 A 20031128; BG 65357 B1 20080331; BR 0114055 A 20030722; BR 0114055 B1 20111227; CA 2424586 A1 20020328; CA 2424586 C 20090818; CN 1246565 C 20060322; CN 1466649 A 20040107; CZ 2003830 A3 20031015; CZ 305425 B6 20150916; DE 60129726 D1 20070913; DE 60129726 T2 20080430; DE 60129726 T3 20170413; DK 1334255 T3 20071203; DK 1334255 T4 20121015; EP 1334255 A1 20030813; EP 1334255 B1 20070801; EP 1334255 B2 20120718; ES 2291351 T3 20080301; ES 2291351 T5 20121112; ES 2291351 T9 20130226; GC 0000371 A 20070331; GE P20053518 B 20050510; HU 224755 B1 20060130; HU P0302898 A2 20031229; JP 2004509254 A 20040325; JP 5238118 B2 20130717; KR 100765598 B1 20071009; KR 20030068540 A 20030821; MX PA03002651 A 20040910; MY 134294 A 20071231; NO 20031327 D0 20030324; NO 20031327 L 20030526; NO 326101 B1 20080922; NZ 525337 A 20051223; PL 206399 B1 20100831; PL 360600 A1 20040920; PT 1334255 E 20071109; RU 2283414 C2 20060910; SK 3492003 A3 20040504; UA 73012 C2 20050516; US 2004020611 A1 20040205; US 7028741 B2 20060418; WO 0225048 A1 20020328; ZA 200303052 B 20040419

DOCDB simple family (application)  
**EP 00120844 A 20000925**; AR P010104409 A 20010918; AT 01971523 T 20010913; AU 2001291522 A 20010913; AU 9152201 A 20010913; BE 0100154 W 20010913; BG 10766003 A 20030321; BR 0114055 A 20010913; CA 2424586 A 20010913; CN 01816252 A 20010913; CZ 2003830 A 20010913; DE 60129726 T 20010913; DK 01971523 T 20010913; EP 01971523 A 20010913; ES 01971523 T 20010913; GC P20011638 A 20010925; GE AP2001005178 A 20010913; HU P0302898 A 20010913; JP 2002529629 A 20010913; KR 20037004221 A 20010913; MX PA03002651 A 20010913; MY PI20014438 A 20010921; NO 20031327 A 20030324; NZ 52533701 A 20010913; PL 36060001 A 20010913; PT 01971523 T 20010913; RU 2003112014 A 20010913; SK 3492003 A 20010913; UA 200343771 A 20010913; US 38142903 A 20030902; ZA 200303052 A 20030417