

Title (en)  
SHUTTER LOCKING MECHANISM

Title (de)  
BLENDENVERRIEGELUNGSMECHANISMUS

Title (fr)  
MÉCANISME DE BLOCAGE DE VOLET

Publication  
**EP 3067509 A1 20160914 (EN)**

Application  
**EP 15158532 A 20150310**

Priority  
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Abstract (en)  
The present invention relates to a cost effective, easily operable, and highly adaptable locking system for fire-retardant shutters. In particular, the invention concerns a system for locking a shutter or a mechanism that opens or closes a fire shutter, said system comprising at least two movable plates (100,200) coupled together by means of a magnet (201), and an actuation member (320,302), such as a pawl or a pin, coupled to either of the plates. The first plate (100) is responsive to tension or pressure that builds in said mechanism for opening or closing the shutter, and moves in response to said tension or pressure thus causing the movement of the magnetically coupled thereto second plate (200) and of the actuation member (320,302) coupled to the latter.

IPC 8 full level  
**E06B 9/68** (2006.01); **A62C 2/24** (2006.01); **E06B 9/78** (2006.01); **E06B 9/80** (2006.01)

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Citation (applicant)  
• US 5245879 A 19930921 - MCKEON JAMES M [US]  
• US 5850865 A 19981222 - HSIEH CHUNG-JUNG [TW]  
• GB 768127 A 19570213 - DENNISON KETT & COMPANY LTD  
• US 7448426 B2 20081111 - HSIEH CHUNG-HSIEN [TW]

Citation (search report)  
• [AD] US 7448426 B2 20081111 - HSIEH CHUNG-HSIEN [TW]  
• [AD] US 5850865 A 19981222 - HSIEH CHUNG-JUNG [TW]

Cited by  
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