

Title (en)  
CLOSING DEVICE FOR SEALING OPENINGS IN SAFETY ENCLOSURES

Publication  
**EP 0269555 B1 19910828 (DE)**

Application  
**EP 87730140 A 19871109**

Priority  
• DE 3640466 A 19861127  
• DE 3640467 A 19861127

Abstract (en)  
[origin: US4870909A] A sealing device for sealing an opening in a shelter (1) against heat action. The walls (9) or ceiling of the shelter comprise several mechanically self-supporting, good thermally insulating layers. The device includes at least one element closing or sealing the opening and a support structure for supporting the element. A locking system and an operating device operating the locking system operate on the element. The element, as seen from the interior of the shelter can be pivoted to the outside and its construction corresponds to that of the wall. The element is held on support arms by the support structure which, from a load standpoint, is independent of the walls in the shelter interior. The locking system is located on the inside of the sealing element and the operating device is accessible both from the inside and from the outside.

IPC 1-7  
**E04H 1/12**; **E05C 9/00**; **E05G 1/026**

IPC 8 full level  
**E04H 1/12** (2006.01); **E04H 9/14** (2006.01); **E05B 17/00** (2006.01); **E05C 9/00** (2006.01); **E05G 1/026** (2006.01); **E06B 5/10** (2006.01); **E06B 5/16** (2006.01); **E05C 9/06** (2006.01)

CPC (source: EP US)  
**E05B 17/0075** (2013.01 - EP US); **E05C 9/16** (2013.01 - EP US); **E05G 1/026** (2013.01 - EP US); **E05C 9/06** (2013.01 - EP US)

Cited by  
DE4344473C1; FR2952954A1; DE4220115A1; FR2696499A1; EP2628876A3

Designated contracting state (EPC)  
AT CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0269555 A2 19880601**; **EP 0269555 A3 19881005**; **EP 0269555 B1 19910828**; AT E66713 T1 19910915; DE 3772526 D1 19911002; DE 8717999 U1 19920423; JP H07113305 B2 19951206; JP S63217089 A 19880909; US 4870909 A 19891003

DOCDB simple family (application)  
**EP 87730140 A 19871109**; AT 87730140 T 19871109; DE 3772526 T 19871109; DE 8717999 U 19871109; JP 29965787 A 19871127; US 12521987 A 19871125