

Title (en)

Ejectable sealing cover, especially for rockets carrying submunition.

Title (de)

Abdichtende und auswerfbare Verschlussvorrichtung, insbesondere für Raketen mit Sub-Munition.

Title (fr)

Dispositif de fermeture étanche et éjectable, notamment pour roquettes à sous-munitions.

Publication

**EP 0293280 A1 19881130 (FR)**

Application

**EP 88401088 A 19880504**

Priority

FR 8707421 A 19870526

Abstract (en)

The present invention relates to a device for the sealing closing of a structure (2), such as, for example, a sub-munition compartment of a missile; this device comprises an elastic section (5), inside which is fitted sealingly the edge (8) of the structure (2) and the periphery (13) of a cover (6); this device comprises, furthermore, means (7) for pushing the cover (6) towards the outside of the structure (2); this push causes the periphery (13) and/or the edge (8) to come out of the section (5) as a result of the deformation of this elastic section (5), and brings about the complete expulsion of the cover (6); when the device equips a missile, the disengagement of the periphery (13) modifies the aerodynamic coefficient of resistance to the advance (designated C<sub>x</sub>) of the missile; this difference of C<sub>x</sub> causes the complete expulsion of the cover (6) and thus ensures the opening of the structure (2). <IMAGE>

IPC 1-7

**F42B 13/50**

IPC 8 full level

**B65D 43/10** (2006.01); **F42B 12/58** (2006.01)

CPC (source: EP US)

**F42B 12/58** (2013.01 - EP US)

Citation (search report)

- [X] FR 2146956 A1 19730309 - SAINT GOBAIN
- [Y] FR 2111646 A2 19720609 - SAINT GOBAIN PONT A MOUSSON
- [Y] DE 2920347 A1 19801120 - MESSERSCHMITT BOELKOW BLOHM
- [Y] FR 2117697 A1 19720728 - SAINT GOBAIN PONT A MOUSSON
- [A] FR 2143063 A1 19730202 - PPG INDUSTRIES INC
- [A] EP 0121481 B1 19880107
- [A] EP 0114602 A2 19840801 - RHEINMETALL GMBH [DE]
- [A] US 4455943 A 19840626 - PINSON GEORGE T [US]

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0293280 A1 19881130**; **EP 0293280 B1 19920108**; DE 3867536 D1 19920220; FR 2615825 A1 19881202; FR 2615825 B1 19900112; US 4930422 A 19900605

DOCDB simple family (application)

**EP 88401088 A 19880504**; DE 3867536 T 19880504; FR 8707421 A 19870526; US 19809188 A 19880524