

Title (en)

Micro-machined or micro-engraved weaponry and security device

Title (de)

Feinmechanisch bearbeitete oder mikro-gravierte Sicherheits- und Bewaffnungsvorrichtung

Title (fr)

Dispositif de sécurité et d'armement micro-usiné ou micro-gravé

Publication

**EP 2077431 A3 20100210 (FR)**

Application

**EP 09290003 A 20090106**

Priority

FR 0800069 A 20080107

Abstract (en)

[origin: EP2077431A2] The device (12) has a substrate (13) on which a pyrotechnic chain interruption flap (14) is placed, where the flap is movable in translation and maintained immobilized by an axial acceleration bolt (17) and a centrifugal bolt. The acceleration bolt is released as a result of application of acceleration communicated to a missile during firing, and the centrifugal bolt is released as a result of rotation of the missile. The centrifugal bolt includes a locking finger (22) integrated to the substrate by a flexible tab (23).

IPC 8 full level

**F42C 15/00** (2006.01); **F42C 15/26** (2006.01); **F42C 15/34** (2006.01)

CPC (source: EP US)

**F42C 15/005** (2013.01 - EP US); **F42C 15/26** (2013.01 - EP US); **F42C 15/34** (2013.01 - EP US)

Citation (search report)

- [XY] US 6167809 B1 20010102 - ROBINSON CHARLES H [US], et al
- [YD] EP 1780496 A1 20070502 - NEXTER MUNITIONS [FR]
- [AD] US 6964231 B1 20051115 - ROBINSON CHARLES H [US], et al
- [A] US 7194889 B1 20070327 - JEAN DANIEL [US], et al
- [A] US 7051656 B1 20060530 - KOEHLER DAVID R [US], et al

Cited by

EP2402706A1; EP2402707A1; EP2482027A1; EP2482029A1; EP2482028A1; FR2962210A1; FR2962209A1; FR2971049A1; FR2971050A1; FR2971048A1; US8656837B2; US9194682B2; US8459184B2; US8714090B2; US8689690B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2077431 A2 20090708**; **EP 2077431 A3 20100210**; **EP 2077431 B1 20130717**; ES 2429491 T3 20131115; FR 2926134 A1 20090710; FR 2926134 B1 20100326; PL 2077431 T3 20131231; US 2009205526 A1 20090820; US 8166880 B2 20120501

DOCDB simple family (application)

**EP 09290003 A 20090106**; ES 09290003 T 20090106; FR 0800069 A 20080107; PL 09290003 T 20090106; US 31864609 A 20090105