

Title (en)

Pyrotechnical cutter fuse and method of manufacturing such a fuse

Title (de)

Pyrotechnische Schneidschnur und Herstellungsverfahren einer solchen Schnur

Title (fr)

Cordeau de découpe pyrotechnique et procédé de fabrication d'un tel cordeau

Publication

EP 2075525 A1 20090701 (FR)

Application

EP 08291238 A 20081224

Priority

FR 0709085 A 20071226

Abstract (en)

The pyrotechnic cutting cord (1) useful in military aircrafts and launchers, comprises an explosive material (5) disposed in a casing (2), and a metallic profile that forms a coating of the cut and is applied against the explosive material. The casing comprises two distinct parts assembled one after the other. The two distinct parts include a thin rear part or a covering (2a), and a thick front part (2b). The front part comprises two lateral wings (3a, 3b) forming a support for the covering and connected by a median zone that forms the coating of the cut. The pyrotechnic cutting cord (1) useful in military aircrafts and launchers, comprises an explosive material (5) disposed in a casing (2), and a metallic profile that forms a coating of the cut and is applied against the explosive material. The casing comprises two distinct parts assembled one after the other. The two distinct parts include a thin rear part or a covering (2a), and a thick front part (2b). The front part comprises two lateral wings (3a, 3b) forming a support for the covering and connected by a median zone that forms the coating of the cut, and is constituted by the metallic profile. The covering has a constant thickness, and is made of plastic or a composite material. The explosive material is applied in the form of a narrow sheet on the median zone of the front part. The narrow sheet is maintained in a place by the covering. An independent claim is included for a process for the fabrication of a cutting cord.

Abstract (fr)

L'invention a pour objet un cordeau de découpe pyrotechnique (1) comprenant un matériau explosif (5) disposé dans un boîtier (2) et contre lequel est appliqué un profil métallique formant revêtement de découpe. Ce cordeau (1) est caractérisé en ce que le boîtier (2) comporte au moins deux parties, une partie arrière ou enveloppe (2a) relativement mince et une partie avant (2b) plus épaisse que la partie arrière (2a), partie avant comportant deux ailes latérales (3a,3b) formant support pour l'enveloppe (2a) et reliées par une zone médiane (4) plus mince formant le revêtement de découpe. L'invention a également pour objet un procédé de fabrication d'un tel cordeau.

IPC 8 full level

F42B 1/028 (2006.01); **C06C 5/04** (2006.01); **F42B 1/036** (2006.01)

CPC (source: EP)

C06C 5/04 (2013.01); **F42B 1/028** (2013.01); **F42B 1/036** (2013.01)

Citation (applicant)

- US 4297946 A 19811103 - PATON BORIS E, et al
- FR 2590661 A1 19870529 - UNITED KINGDOM GOVERNMENT [GB]

Citation (search report)

- [X] EP 0055165 A1 19820630 - FRANCE ETAT [FR]
- [A] DE 7708557 U1 19770901
- [A] FR 2333764 A1 19770701 - POUDRES & EXPLOSIFS STE NALE [FR]
- [A] US 4649825 A 19870317 - QUICK WILSON M [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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