

Title (en)

Safety and arming device for the fuse of a projectile comprising an anti-vibratory means.

Title (de)

Sicherheits- und Schärfvorrichtung für Zünder von Geschossen mit einem Erschütterungsschutzmittel.

Title (fr)

Dispositif de sécurité et d'armement pour fusée de projectile comportant un moyen anti-vibratoire.

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Application

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Priority

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Abstract (en)

The sector of the present invention is that of safety and arming devices for fuses intended for equipping spinning projectiles. The safety and arming device according to the invention comprises a rotor (8) which carries a primer (9) and which is held by a bolt (15, 29) in a position in which the primer is not aligned with a main pyrotechnic chain, this device being characterised in that the bolt (15, 29) is kept bearing on the rotor (8) by an immobilising means (17, 30) sufficiently rigid to keep up this bearing when the device is subjected to the stresses caused by impact or vibration, the immobilising means freeing the bolt (15, 29) after the projectile has been fired. The invention is used for medium-calibre ammunition. <IMAGE>

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IPC 8 full level

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Citation (search report)

- [X] US 5081929 A 19920121 - MERTENS WILLIAM J [US]
- [AD] FR 2533686 A1 19840330 - MANURHIN [FR]
- [AD] EP 0360187 A2 19900328 - DIEHL GMBH & CO [DE]
- [A] FR 2500150 A1 19820820 - DIEHL GMBH & CO [DE]
- [A] US 3595169 A 19710727 - ZIEMBA RICHARD T
- [A] US 4480551 A 19841106 - LOFIEGO LOUIS [US]

Cited by

EP3121553A1; CN103900426A; FR3039267A1; US2017138714A1; US7360486B2; WO2004065891A3; US10041775B2; WO2023180278A1

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