

Title (en)

SAFETY DEVICE FOR THE FUSE OF A SPINNING PROJECTILE

Publication

EP 0360186 A3 19920108 (DE)

Application

EP 89117206 A 19890918

Priority

DE 3831862 A 19880920

Abstract (en)

[origin: US4942816A] A safe-and-arm or securing device for the fuze of a spinning or spin-stabilized projectile which includes a fuze member and a supporting member in which a spherical rotor is rotatably supported, and which has a radial groove formed therein. The rotor possesses a bore having a detonator inserted therein, and in a peripheral region incorporates a groove which extends along a plane which is axially offset relative to the radial groove, and with a spreadable or expandable restraining medium being inserted into the groove. The restraining medium releases the rotor which is retained in its secured position only subsequent to the firing of the projectile through the securing element which is spreadable and axially displaceable under the effect of axial and spin forces and which allows the rotor, after its release, to be pivoted in conjunction with the detonator into the armed position.

IPC 1-7

F42C 15/188

IPC 8 full level

F42C 15/188 (2006.01); **F42C 15/22** (2006.01)

CPC (source: EP US)

F42C 15/22 (2013.01 - EP US)

Citation (search report)

- [AD] DE 2009988 A1 19700924
- [A] EP 0068534 A2 19830105 - OERLIKON BUEHRLE AG [CH]
- [A] US 4480551 A 19841106 - LOFIEGO LOUIS [US]
- [A] DE 3049082 A1 19820722 - DIEHL GMBH & CO [DE]

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