

Title (en)  
DEVICE FOR ARMING AND STERILISING AN ELECTRIC FUZE FOR AMMUNITION

Publication  
**EP 0104138 B1 19861029 (DE)**

Application  
**EP 83810356 A 19830812**

Priority  
CH 548182 A 19820916

Abstract (en)  
[origin: US4550661A] The invention is directed to the provision of a safety device to prevent premature detonation of ammunition, particularly low spin projectiles of the type in which a primer pellet is positioned in a rotor which rotates from an unarmed to an armed position upon firing. The safety device is biased under the action of the spring to project into a groove in the rotor so as to be engageable with an end face of the groove. If the projectile is fired with normal acceleration, the resulting force will cause the safety device to become disengaged from the groove in the rotor against the action of the spring. If acceleration is below normal, the safety device will engage the rotor and lock it in an unarmed position. An inertial mass lock is also provided as an additional measure against accidental or premature arming of the projectile. A retard mechanism delays rotation of the rotor to an armed position for a selected time period sufficient for the projectile to advance a safe distance from a gun or launcher before becoming armed.

IPC 1-7  
**F42C 15/24**; **F42C 15/16**

IPC 8 full level  
**F42C 15/16** (2006.01); **F42C 15/192** (2006.01); **F42C 15/24** (2006.01)

CPC (source: EP US)  
**F42C 15/192** (2013.01 - EP US); **F42C 15/24** (2013.01 - EP US)

Citation (examination)  
DE 1912750 A1 19701001 - FOERSVARETS FABRIKSVVERK

Cited by  
DE3940211A1; WO2004089660A2; EP1167914A1; EP1066786A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0104138 A2 19840328**; **EP 0104138 A3 19840912**; **EP 0104138 B1 19861029**; AT E23222 T1 19861115; DE 3367274 D1 19861204; US 4550661 A 19851105

DOCDB simple family (application)  
**EP 83810356 A 19830812**; AT 83810356 T 19830812; DE 3367274 T 19830812; US 53220083 A 19830914