

Title (en)

Percussion fuze for spinning missiles

Publication

EP 0139160 A1 19850502 (DE)

Application

EP 84109996 A 19840822

Priority

CH 567983 A 19831019

Abstract (en)

1. Percussion fuse for a spinning projectile, with a rotor (12) which is arranged rotatably in the ignition chain between a percussion needle (2) with a centrifugal locking system and a booster charge (10) and which is subjected to the effect of a retractable blocking member (21) retaining the rotor (12) in the safety position and being held in its active position by a safety device (22) of the centrifugal locking system for as long as the centrifugal locking system remains effective, this safety device (22) itself being held in its active position by a centrifugal spiral or a spiral band, characterized in that this safety device consists of a safety wire (22) which is wound helically and which expands radially under the effect of the spin and at the same time also shifts axially.

Abstract (de)

Der Aufschlagzünder ist für ein drallstabilisiertes Geschoss bestimmt und enthält einen schwenkbaren Rotor 12 der durch ein Sperrorgan 21 in seiner Sicherheitsstellung gehalten ist. Das Sperrorgan 21 ist formschlüssig durch eine Zentralverriegelung eines Zündstiftes 2 in seiner Sperrstellung gehalten. Die Zentrifugalverriegelung besitzt ausser einem Spiralband 18 noch einen schraubenförmig um den Zündstift 2 gewickelten Sicherheitsdraht 22. Die Freigabe der Zentralverriegelung bewirkt die Freigabe des Sperrorgans 21, so, dass sich der Rotor 12 durch die Wirkung des Geschossdralles in seine entscherte Stellung aufrichten kann.

IPC 1-7

F42C 15/22; **F42C 15/18**

IPC 8 full level

F42C 15/24 (2006.01); **F42C 15/192** (2006.01); **F42C 15/22** (2006.01); **F42C 15/23** (2006.01); **F42C 15/26** (2006.01)

CPC (source: EP)

F42C 15/192 (2013.01); **F42C 15/22** (2013.01); **F42C 15/23** (2013.01)

Citation (search report)

- [X] CH 459824 A 19680715 - JUNGHANS GMBH GEB [DE]
- [A] BE 564754 A
- [A] FR 2429992 A1 19800125 - DIEHL GMBH & CO [DE]

Designated contracting state (EPC)

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