

Title (en)

Shaped-charge war heads in tandem arrangement.

Title (de)

Sprenkopf mit hintereinanderliegenden Hohlladungen.

Title (fr)

Tête militaire à charges formées montées en tandem.

Publication

EP 0221218 A1 19870513 (FR)

Application

EP 85402097 A 19851031

Priority

FR 8413633 A 19840905

Abstract (en)

[origin: US4714022A] A warhead designed for employment against a target having active armor protection comprises a forward shaped charge and a rear shaped charge. The forward shaped charge generates a core explosion whose speed is below 2,500 meters per second, and thus does not detonate the active armor, while the rear charge is formed of a high-performance, high-explosive charge and completely pierces the armor. A time delay of between 50 and 300 μ sec is employed for detonating the rear charge after the detonation of the first charge. This type of warhead is suitable for piercing rolled homogenous armor (RHA), or spaced, composite, or active armor, and can be fired by means of rockets, missiles, shells, etc.

Abstract (fr)

Le secteur technique de l'invention est celui des têtes militaires comportant plusieurs charges creuses. La tête militaire selon l'invention est constituée par une charge explosive formée (2) capable de générer un noyau dont la vitesse est inférieure à 2500 m/s de manière à ne pas faire détoner les blindages actifs, et une charge formée arrière (3) destinée à la perforation complète du blindage. Application à la perforation des blindages simple, feuilletés, composites ou actifs à l'aide de roquettes, missiles ou obus.

IPC 1-7

F42B 13/10; **F42B 1/02**

IPC 8 full level

F42B 1/028 (2006.01); **F42B 12/18** (2006.01)

CPC (source: EP US)

F42B 1/028 (2013.01 - EP US); **F42B 12/18** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2552870 A1 19850405 - FRANCE ETAT ARMEMENT [FR]
- [Y] FR 2425047 A1 19791130 - SAINT LOUIS INST [FR]
- [Y] FR 2429990 A1 19800125 - SAINT LOUIS INST [FR]
- [Y] US 3128701 A 19640414 - RINEHART JOHN S, et al
- [Y] US 3019731 A 19620206 - DAVID EDWARDS EDWIN, et al
- [A] GB 1500681 A 19780208 - MESSERSCHMITT BOELKOW BLOHM
- [A] FR 2147621 A5 19730309 - RHEINMETALL GMBH
- [E] FR 2569834 A1 19860307 - FRANCE ETAT ARMEMENT [FR]

Cited by

ES2049649A1

Designated contracting state (EPC)

AT BE DE GB IT NL SE

DOCDB simple family (publication)

US 4714022 A 19871222; EP 0221218 A1 19870513; EP 0221218 B1 19890628

DOCDB simple family (application)

US 77246385 A 19850904; EP 85402097 A 19851031