

Title (en)

Projectile with destructive effect, exploding on impact.

Title (de)

Beim Aufschlag explodierendes Geschoss mit zerstörender Wirkung.

Title (fr)

Projectile à effet destructif explosant par impact.

Publication

EP 0467774 B1 19931222 (FR)

Application

EP 91401984 A 19910716

Priority

FR 9009111 A 19900717

Abstract (en)

[origin: US5121691A] The invention relates to a projectile comprising a shell body containing an explosive charge and a ballistic nose cone in which a trigger system is disposed. The ballistic nose cone is organized as two distinct parts which are connected together in axial alignment, comprising a bottom portion that is essentially rigid and a top portion that is essentially deformable on impact on a target. Each of the portions is charged with a compressed incendiary composition, and together they form a closed functional cavity whose shape is maintained on firing and during the trajectory of the projectile. The bottom portion also receives a layer of mechanically strong pyrophoric material, said material being set off by the charge in the ballistic nose cone which is itself set off on impact by the sudden increase in the pressure of the air contained in the closed functional cavity. The invention is applicable to making destructive effect projectiles capable of penetrating multiple structures or lightly armored structures with a major incendiary effect and spraying particles of molten metal.

IPC 1-7

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IPC 8 full level

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