

Title (en)

Explosive projectile producing explosions in a definite pattern.

Title (de)

Explosivgeschoss mit Ausstreuungseffekt.

Title (fr)

Projectile explosif engendrant une gerbe d'éclats.

Publication

EP 0338874 B1 19940112 (FR)

Application

EP 89400806 A 19890322

Priority

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Abstract (en)

[origin: EP0338874A1] The subject of the invention is a projectile generating a cluster of splinters by controlled operation on its trajectory during flat-trajectory firing. It comprises an explosive charge (1) contained in a metal casing (2), and means for varying along its longitudinal axis x'x the ratio R of the radial thicknesses (e) of the explosive charge (1) and (E) of the metal casing (2) containing said charge, so as to modulate the velocity of the splinters along the longitudinal axis. The variation of the ratio R is obtained by modulating the radial thickness (e) of the explosive charge (1). The ratio R increases from upstream in the downstream direction discontinuously according to a plurality of radial charge thicknesses or continuously in order to ensure a dispersal of the splinters. The charge comprises a first section (5) of a thickness equal to the inside diameter of the casing (2), four tubular sections (6-9) of a radial thickness increasing towards the base, a free space being formed within these sections (6-9), in which is interposed a module (11) made of a shock-wave damping material, and a section (10) arranged in the region of the base and of a thickness equal to the inside diameter of the casing (2). The invention is used for military equipment. <IMAGE>

IPC 1-7

F42B 12/20

IPC 8 full level

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CPC (source: EP)

F42B 12/204 (2013.01); **F42B 12/208** (2013.01)

Cited by

EP2233879A3; US5691502A; US5535679A; EP1316774A1; US7231876B2; AU2002356703B2; US8256350B2; WO03046470A1; EP0747660B1; EP0718590B1; EP3034990B1

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DOCDB simple family (publication)

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