

Title (en)

Projectile with a fragmenting shell.

Title (de)

Geschoss mit Splittermantel.

Title (fr)

Projectile à paroi pouvant se briser en éclats.

Publication

EP 0328877 A1 19890823 (DE)

Application

EP 89100579 A 19890113

Priority

CH 59788 A 19880218

Abstract (en)

[origin: JPH028699A] PURPOSE: To fracture a fragmentation jacket into fragments of desired size by breaking a ring into a large number of segments jointed through sintering. CONSTITUTION: A fragmentation jacket 15 comprises six rings 14, for example, made of a sintered metal, especially of a heavy metal. These rings 14 are provided with scheduled fracture parts 22-24 and fractured into fragments of desired size by an explosive charge 18. The scheduled fracture parts may have various shapes. For example, a tubular draw-out part 22 is present in the ring 14 while opening inward and extending in the longitudinal direction, or a draw-out part 23 having triangular cross-section extends in the longitudinal direction through the ring 14 while opening inward, or the ring 14 is divided into a large number of segments 24 jointed through sintering. The invention is not limited by these shapes.

Abstract (de)

Der Splittermantel (15) eines Geschosses (1) soll durch eine Sprengladung (18), die sich im Innern des Splittermantels (15) befindet, in eine Anzahl Bruchstücke von gewünschter Grösse zerlegt werden, wobei die Sprengladung (18) durch einen Zünder (10) im gewünschten Zeitpunkt gezündet wird. Dieser Splittermantel (15) weist eine Anzahl Ringe (14) auf, welche mit Sollbruchstellen (22-24) versehen sind. Entlang dieser Sollbruchstellen (22-24) zersplittert der Splittermantel (15) in die Bruchstücke gewünschter Grösse.

IPC 1-7

F42B 12/22; F42B 13/18

IPC 8 full level

F42B 12/28 (2006.01)

CPC (source: EP US)

F42B 12/28 (2013.01 - EP US)

Citation (search report)

- [A] US 3425350 A 19690204 - ZUNINO MARIO, et al
- [A] US 2798431 A 19570709 - SEMON HOWARD W, et al

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WO2015135013A1; US6077532A; FR3098292A1; RU2684795C2; AU2015230658B2; WO2021001607A1; US10415939B2; US10648783B2

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