

Title (en)
Disintegrating projectile for a practice round.

Title (de)
Zerfallgeschoss für patronierte Manövermunition.

Title (fr)
Projectile désagrégeant pour munition d'exercice.

Publication
EP 0246412 A1 19871125 (DE)

Application
EP 87103741 A 19870314

Priority
DE 3617460 A 19860523

Abstract (en)
[origin: US4716835A] A disintegrating projectile for cartridge maneuver ammunition for an automatic weapon. The projectile includes a thin-walled and closed body of plastic-like material. The body includes a circular cylindrical section which changes into a tapering hollow tip. A rotationally symmetrical, stiffening, one-piece plastic insert, is adapted to the inner wall of the hollow tip and extends longitudinally of the projectile between a rear circular delimitation and a front circular limitation. The insert has the shape of two cups and includes a circular disc serving as a common bottom of the cups which are arranged one behind the other in the longitudinal direction of the projectile. The rear cup has a side wall thickness that constantly increases from the rear circular delimitation to the adjacent face of the circular disc member and the front cup has a side wall thickness that constantly increases from the front circular delimitation to the adjacent face of the circular disc member. The inner surface of the rear cup lies against the frontal face of a pressed body of metal powder. The projectile includes a hard elastic foam filling the area delimited by the inner surface of the front cup and the adjacent inner wall area at the frontal region of the projectile body.

Abstract (de)
Im Bereich der vorderseitigen Hohlspitze (20) einer aus Kunststoff gefertigte dünnwandige Hülle (10) ist an der Innenwandfläche (26) eine Rotationssymmetrische Einlage (30) aus Kunststoff angepaßt. Die Einlage (20) ist derart gestaltet, daß sie die Hülle (10) in einem Übergangsbereich (28) von der vorderen Begrenzung (33) aus zunehmend aussteift und damit sowohl einerseits eine ausreichende Widerstandsfähigkeit gegen einführbedingte schlagartige Beanspruchungen wie auch andererseits gewährleistet, daß hierdurch kein gefährliches, eine Sicherheitsgrenze vor einer Rohrwaffe überschreitendes Bruchstück gebildet wird.

IPC 1-7
F42B 13/20

IPC 8 full level
F42B 8/16 (2006.01)

CPC (source: EP US)
F42B 8/16 (2013.01 - EP US)

Citation (search report)

- [A] GB 1157555 A 19690709 - RHEINMETALL GMBH [DE]
- [A] DE 1016163 B 19570919 - ROBERT HUCK DIPL ING
- [A] BE 662881 A 19650817

Designated contracting state (EPC)
AT BE DE FR IT NL SE

DOCDB simple family (publication)
EP 0246412 A1 19871125; EP 0246412 B1 19891206; AT E48471 T1 19891215; DE 3617460 C1 19871001; DE 3761110 D1 19900111; FI 871221 A0 19870319; FI 871221 A 19871124; FI 88748 B 19930315; FI 88748 C 19930628; NO 160471 B 19890109; NO 160471 C 19890419; NO 871829 D0 19870504; NO 871829 L 19871124; US 4716835 A 19880105

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