

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/095884 A1

(51) International Patent Classification⁷: **F42B 5/18**, 5/184, 5/10, 14/00, 14/04, 30/02, F42C 19/085, F41A 21/12

(21) International Application Number:
PCT/AU2005/000473

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004901771 2 April 2004 (02.04.2004) AU
2004905053 6 September 2004 (06.09.2004) AU

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

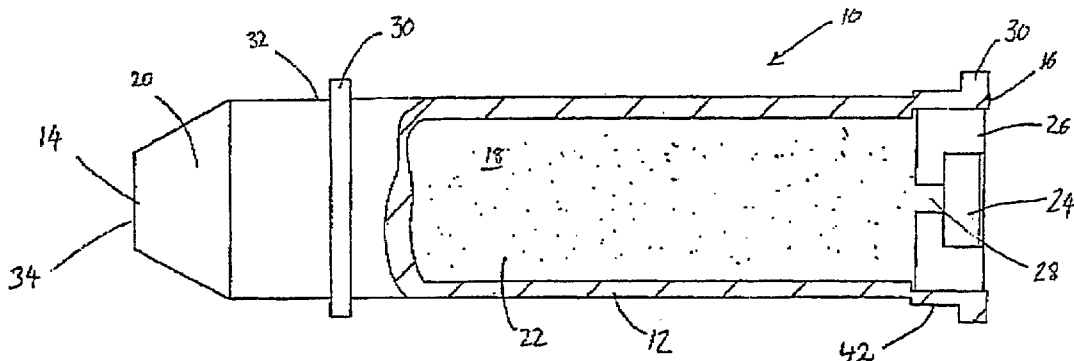
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PROJECTILE



(57) Abstract: A projectile (10) comprises a cylindrical body (12) with a first (leading) end (14) and a second trailing axially opposed end (16). An internal cavity (18) is formed between the ends (14 and 16) and holds a volume of propellant material (22). The first end (14) is closed by a nose (20) that is fixed to the body (12). The end (14) is sealed with a base seal (26) that seats a primer (24) for igniting the propellant (22). The primer (24) is located inboard of the second end (16) and the base seal (26) to reduce the likelihood of accidental activation. Seals (30) are formed about the body (12) for maintaining gas pressure of deflagrating propellant. The seals (30) may be formed integrally with the body (12) or separately from the body (12) and seated in respective grooves (40) formed circumferentially about the body (12). Also disclosed is a breech sleeve (810) shaped to complement the breech of the weapon and a throughway (816) defined by an internal surface, the projectile being able to pass through the throughway (816).

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