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(71) Applicant: **DSG TECHNOLOGY AS** [NO/NO]; Storgata
28, 3182 Horten (NO).

(72) Inventors: **BRANDLY, Raymond Dean**; 10900 Legacy
Gateway Circle #420, Fort Myers, Florida 33913 (US).
IMIG, Tyler Charles; 300 Strawberry Lake Rd, Kalispell,
Montana 29901 (US). **PRICE, Steven R.**; 4503 Bungal-
low Ln, McKinney, Texas 75071 (US). **SHAW, Gordon
Allen**; 4601 Cindy Drive, Mobile, Alabama 36619 (US).
BOWIE, William Edward; 3302 Hawks Hill Rd, New
Windsor, Maryland 21776 (US). **DIXON, Dale Robert**;
4907 Grave Run Rd, Manchester, Maryland 21102 (US).
FRANK, Michael Keith; 590 Bollinger Rd, Littlestown,
Pennsylvania 17340 (US). **MEYER, Blake Ashton**; 2361
Sapphire Street, Loveland, Colorado 80537 (US).

(74) Agent: **HÅMSØ PATENTBYRÅ AS**; P.O. Box 9, 4068
STAVANGER (NO).

(54) Title: JACKETED PROJECTILE AND METHOD OF MANUFACTURING

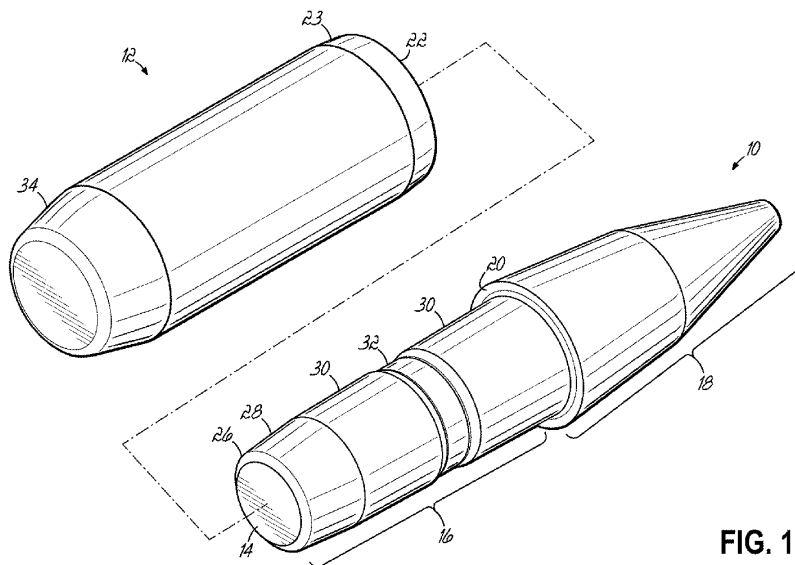


FIG. 1

(57) Abstract: The invention relates to a small arms ammunition projectile (24) and a manufacturing method having a core (10) with a longitudinal core axis, a forward portion (18), and a rearward end (14). The core (10) has a rear portion (16) with an edge (26) that may be chamfered or radiused, a first portion (28) being frustoconical, and a second portion (30) adjacent to the first portion (28) being substantially cylindrical. The jacket (12) has a longitudinal axis (99) and longitudinally extending socket (45) to receive the rear portion (16) of the core (10). The socket (45) has a socket bottom (46), a first socket portion (50) being frustoconical, and a second socket portion (52) adjacent to the first socket portion (50) being substantially cylindrical. The core (10) and jacket (12) are shaped such that when assembled, the frustoconical portion (28) of the core (10) is seated in the frustoconical portion (50) of the socket (45) of the jacket (12), respective contact surfaces (31, 41) of the second portions (30, 52) of the core (10) and jacket (12) mate together with the

[Continued on next page]

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longitudinal core axis (98) and longitudinal jacket axis (99) being coaxial.