

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 January 2025 (02.01.2025)



(10) International Publication Number
WO 2025/004025 A1

(51) International Patent Classification:

F41F 3/077 (2006.01) *C23C 18/16* (2006.01)
F41F 3/04 (2006.01) *G06F 1/18* (2006.01)
B32B 15/00 (2006.01)

(21) International Application Number:

PCT/IL2024/050458

(22) International Filing Date:

13 May 2024 (13.05.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

304046 26 June 2023 (26.06.2023) IL

(71) Applicant: **RAFAEL ADVANCED DEFENSE
SYSTEMS LTD.** [IL/IL]; P.O.B. 2250, 3102102 Haifa (IL).

(72) Inventors: **LAOR, Doron**; P.O.B. 2250, 3102102 Haifa (IL).
VILUSKA, Evgeni; P.O.B. 2250, 3102102 Haifa (IL).
KIKOZASHVILY, David; P.O.B. 2250, 3102102 Haifa (IL).

(74) Agent: **LUZZATTO, Kfir** et al.; LUZZATTO & LUZZATTO, P.O. BOX 5352, 8415202 Beer Sheva (IL).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: FRANGIBLE MISSILE LAUNCH CANISTER COVER

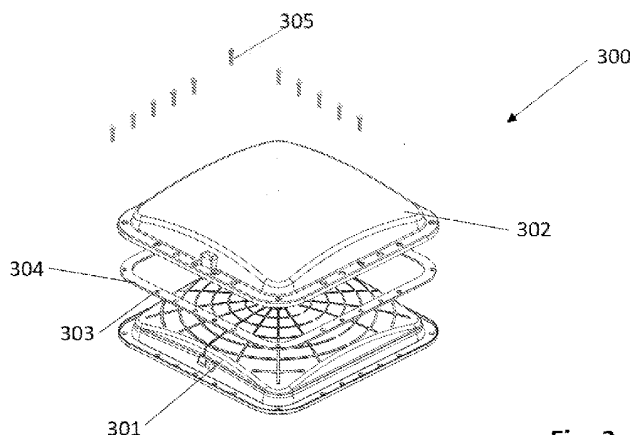


Fig. 3

(57) Abstract: A frangible missile launch canister cover comprises: (1) a bottom layer consisting of a plastic structure configured with weakening points; (2) an intermediate layer consisting of an electroless metal layer; (3) a top elastomeric layer; (4) one or more structural elements adapted to couple said layers to a canister.



WO 2025/004025 A1