

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2022/177506 A8

(43) International Publication Date
25 August 2022 (25.08.2022)

(51) International Patent Classification:
F41B 11/73 (2013.01) *F41A 21/00* (2006.01)
F41B 11/89 (2013.01)

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(21) International Application Number:
PCT/SG2022/050073

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(22) International Filing Date:
17 February 2022 (17.02.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/151,853 22 February 2021 (22.02.2021) US

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(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, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JM, JO, JP, KE, KG, KH,
KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA,
MD, ME, MG, MK, MN, 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.

(54) Title: LAUNCHER OF SHORT PROJECTILES WITH DETACHABLE BARREL

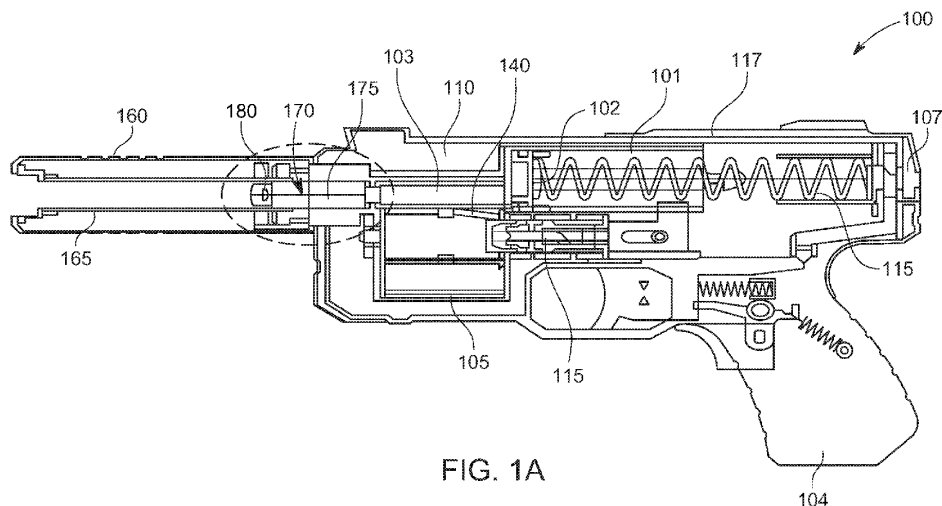


FIG. 1A

(57) Abstract: A toy projectile launcher having a housing, a projectile container, a cocking slide, an air piston assembly, a barrel interface section, and a detachable launch barrel is disclosed. The projectile container is adapted to hold projectiles, such as foam darts. The cocking slide can be moved for-ward and backward. When the cocking slide is moved backward the air piston barrel moves back-ward, and a projectile is moved in front of the air piston assembly. When the cocking slide is moved forward, the projectile is pushed into the barrel interface section by an air nozzle disposed on the front of the air piston assembly. A first airtight seal is formed between the air piston assembly and the rear of the foam dart, and a second airtight seal is formed between the barrel interface section and the detachable launch barrel.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))*

(48) Date of publication of this corrected version:

22 September 2022 (22.09.2022)

(15) Information about Correction:

see Notice of 22 September 2022 (22.09.2022)