



US00D838784S

(12) **United States Design Patent**
Saito

(10) **Patent No.:** **US D838,784 S**

(45) **Date of Patent:** **** Jan. 22, 2019**

(54) **LAUNCHING APPARATUS FOR SPINNING
TOP TOY**

(71) Applicant: **TOMY COMPANY, LTD.**, Tokyo (JP)

(72) Inventor: **Shina Saito**, Tokyo (JP)

(73) Assignee: **TOMY COMPANY, LTD.**, Tokyo (JP)

(**) Term: **15 Years**

(21) Appl. No.: **29/637,369**

(22) Filed: **Feb. 16, 2018**

(30) **Foreign Application Priority Data**

Aug. 23, 2017 (JP) 2017-018004

(51) **LOC (11) Cl.** **21-01**

(52) **U.S. Cl.**
USPC **D21/461**

(58) **Field of Classification Search**
USPC D21/454, 455-464, 561, 566, 570;
446/38-45, 236-266, 429, 430, 462, 489
CPC . A63H 1/00-1/06; A63H 1/12; A63H 17/008;
A63H 27/14; A63H 29/00; A63H 29/20;
A63H 29/24; A63H 31/06; A63H 31/08;
A63F 9/16

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D639,349	S	*	6/2011	Horikoshi	.....	D21/461
9,435,820	B1	*	9/2016	Muraki	.....	G01P 3/486
D790,635	S	*	6/2017	Horikoshi	.....	D21/461
D790,636	S	*	6/2017	Horikoshi	.....	D21/461
D816,781	S	*	5/2018	Horikoshi	.....	D21/461
D825,676	S	*	8/2018	Horikoshi	.....	D21/461

D829,827	S	*	10/2018	Shindo	.....	D21/461
2003/0064660	A1	*	4/2003	Matsukawa	.....	A63F 3/00895 446/256
2016/0310854	A1	*	10/2016	Kubo	.....	A63H 1/04
2016/0325190	A1	*	11/2016	Muraki	.....	A63H 1/02

FOREIGN PATENT DOCUMENTS

CN	3671626	*	7/2007		
CN	300742501	*	2/2008		
CN	303648727	*	4/2016		
CN	303950983	*	11/2016		
CN	303960465	*	12/2016		
CN	304706191	*	6/2018		
JP	3331716	*	8/2003		
JP	3160157	U	*	6/2010	 A63H 1/04
JP	3160658	U	*	7/2010	 A63H 1/04
JP	6145206	B1	*	6/2017	 A63H 1/02

(Continued)

Primary Examiner — Catherine A Tuttle

(74) *Attorney, Agent, or Firm* — Staas & Halsey LLP

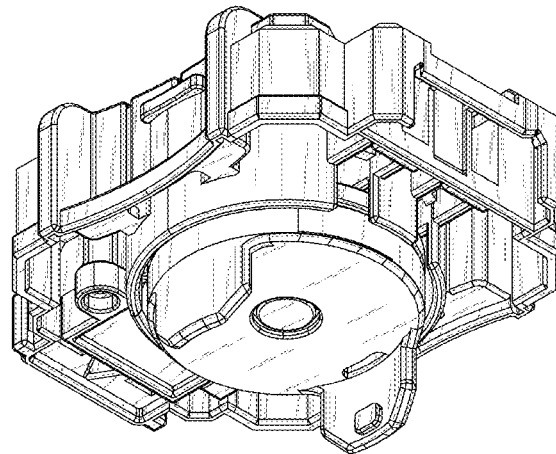
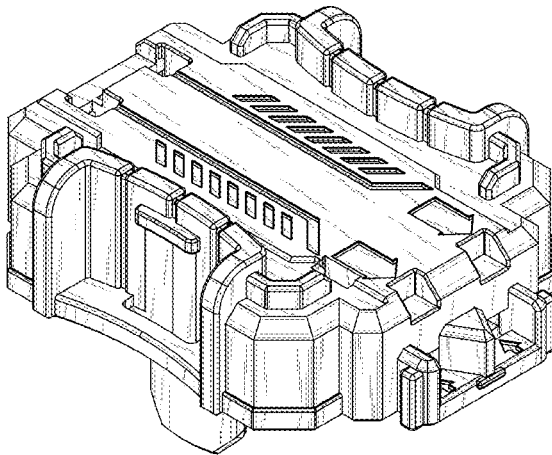
(57) **CLAIM**

The ornamental design for a launching apparatus for spinning top toy, as shown.

DESCRIPTION

FIG. 1 is a front view of the launching apparatus for spinning top toy showing my design;
FIG. 2 is a left side view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a front, right and bottom side perspective view thereof;
FIG. 8 is a front, top and left side perspective view thereof;
and,
FIG. 9 is a rear, top and left side perspective view thereof.

1 Claim, 9 Drawing Sheets



(56)

References Cited

FOREIGN PATENT DOCUMENTS

JP	2017169775	A	*	9/2017
KR	300847434.0000		*	3/2016
KR	300877573.0000		*	10/2016

* cited by examiner

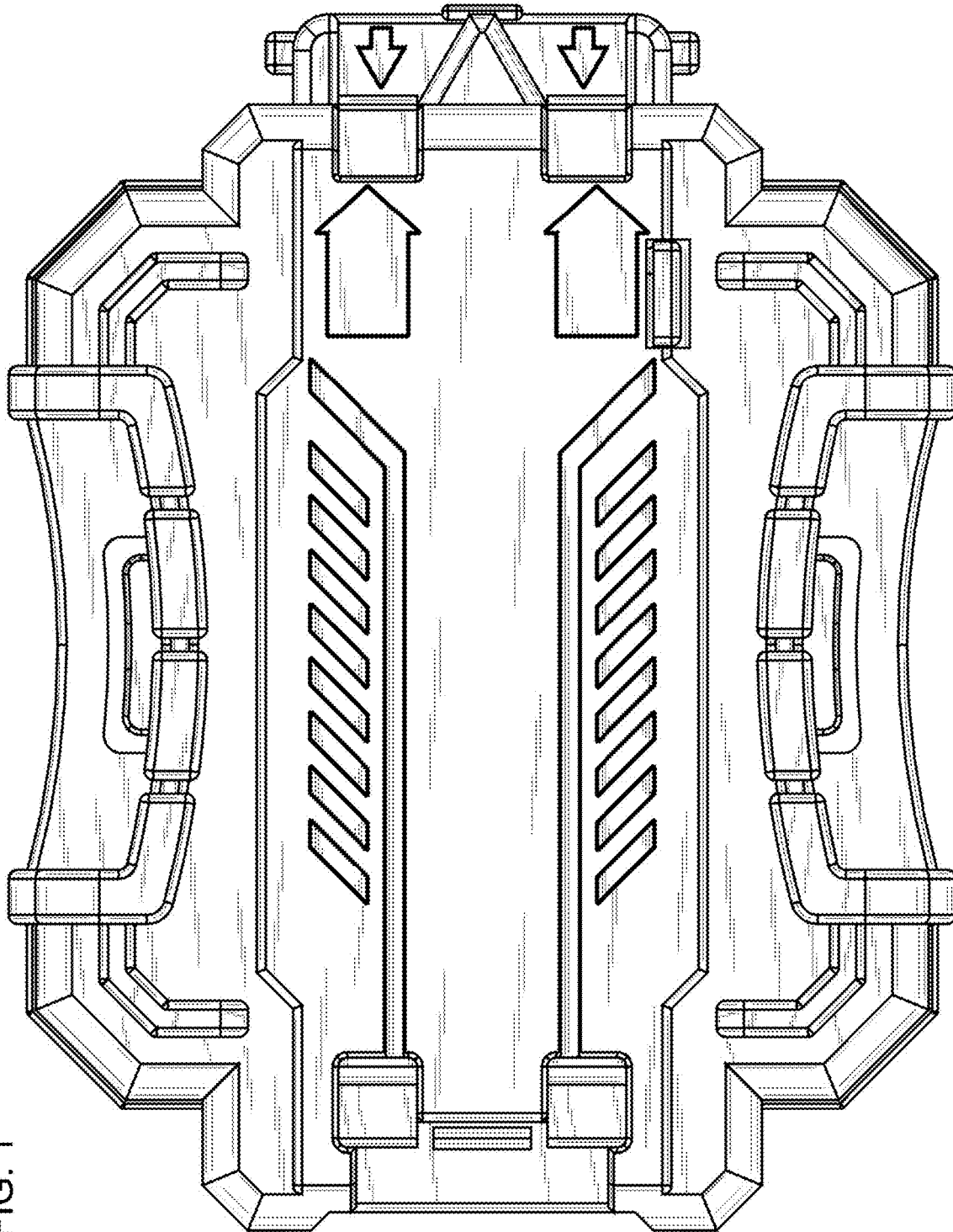


FIG. 1

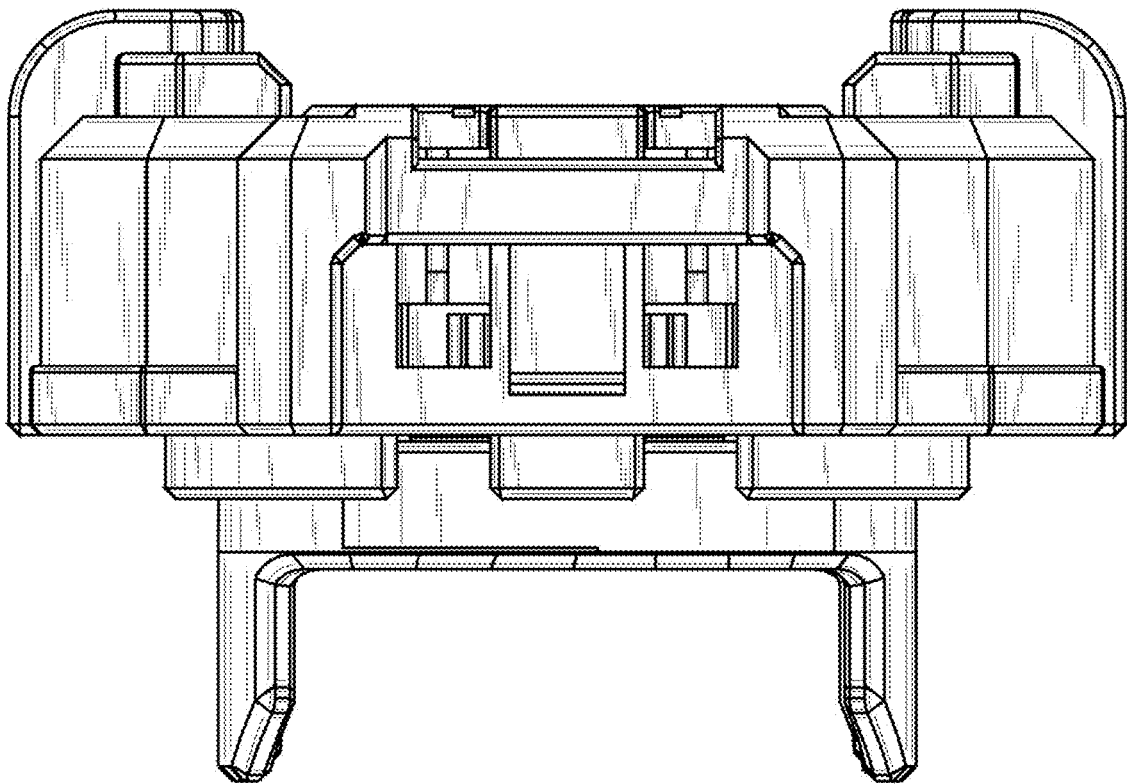


FIG. 2

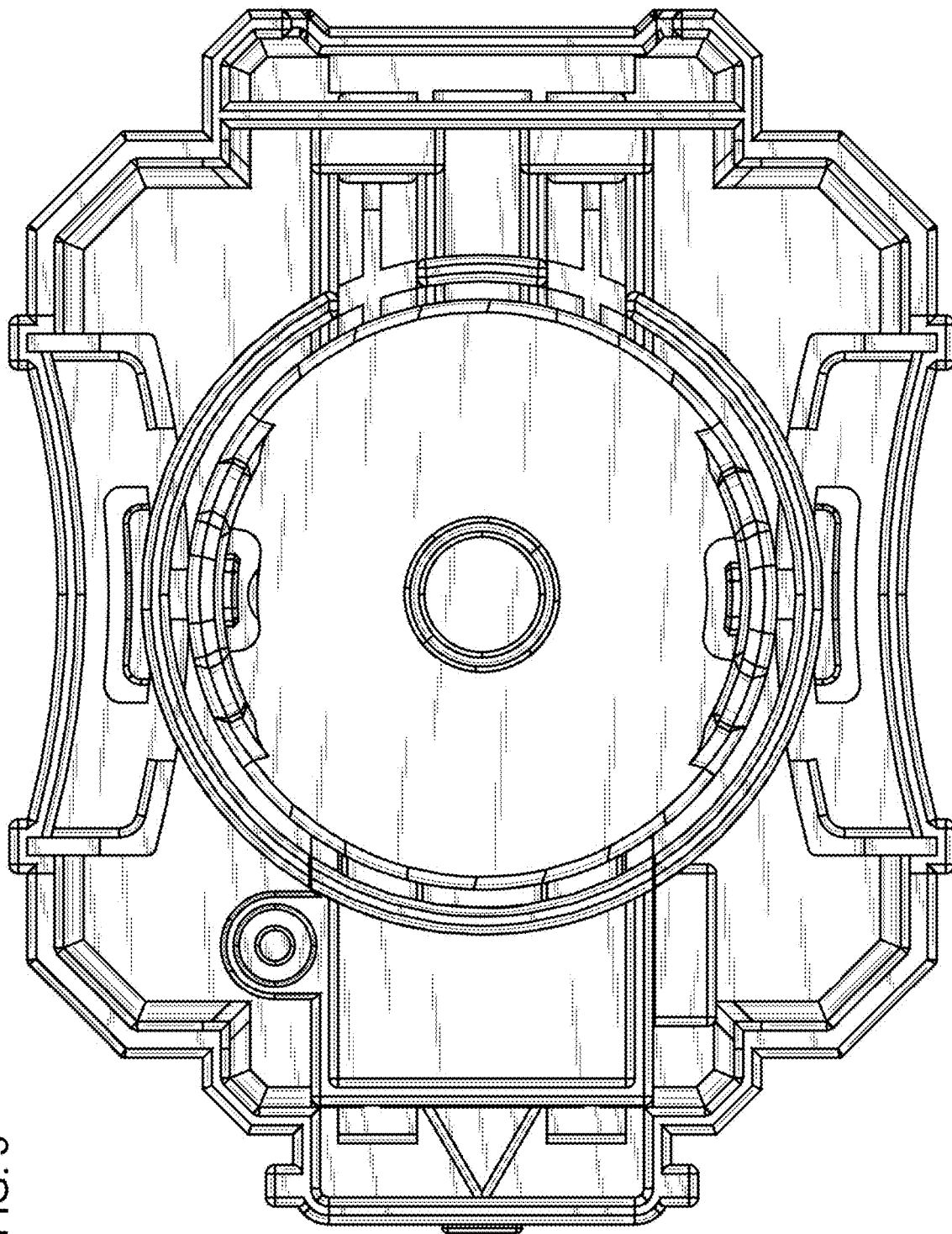
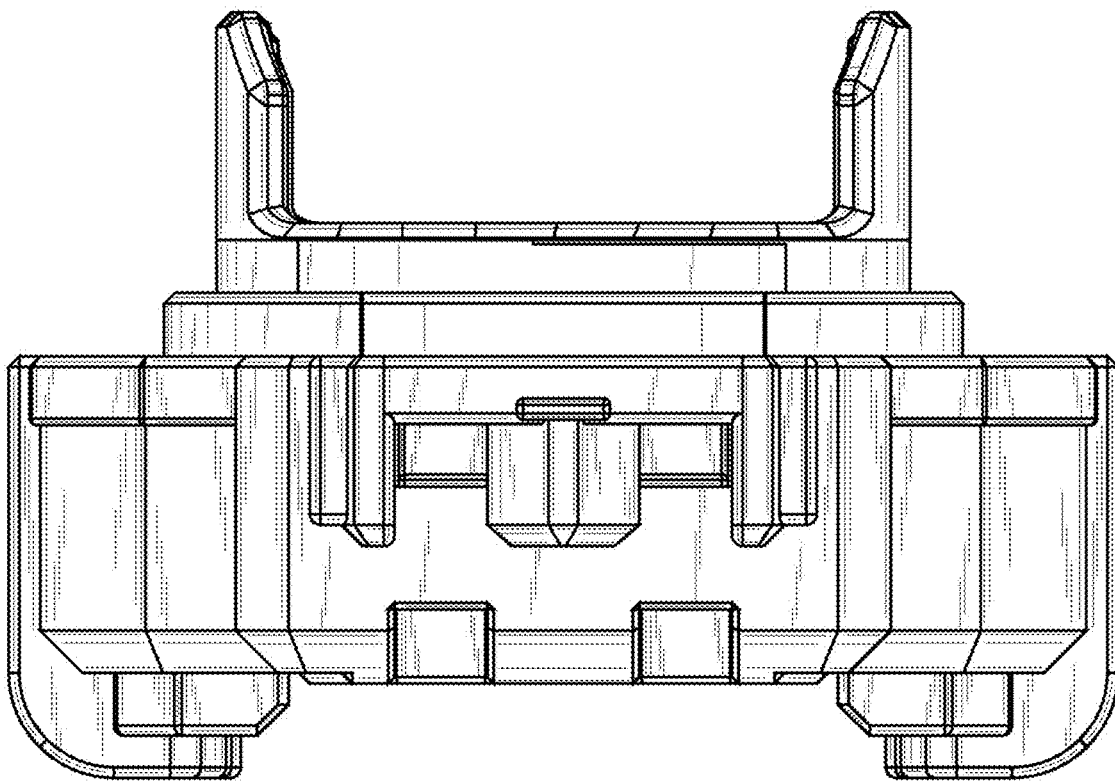


FIG. 3

FIG. 4



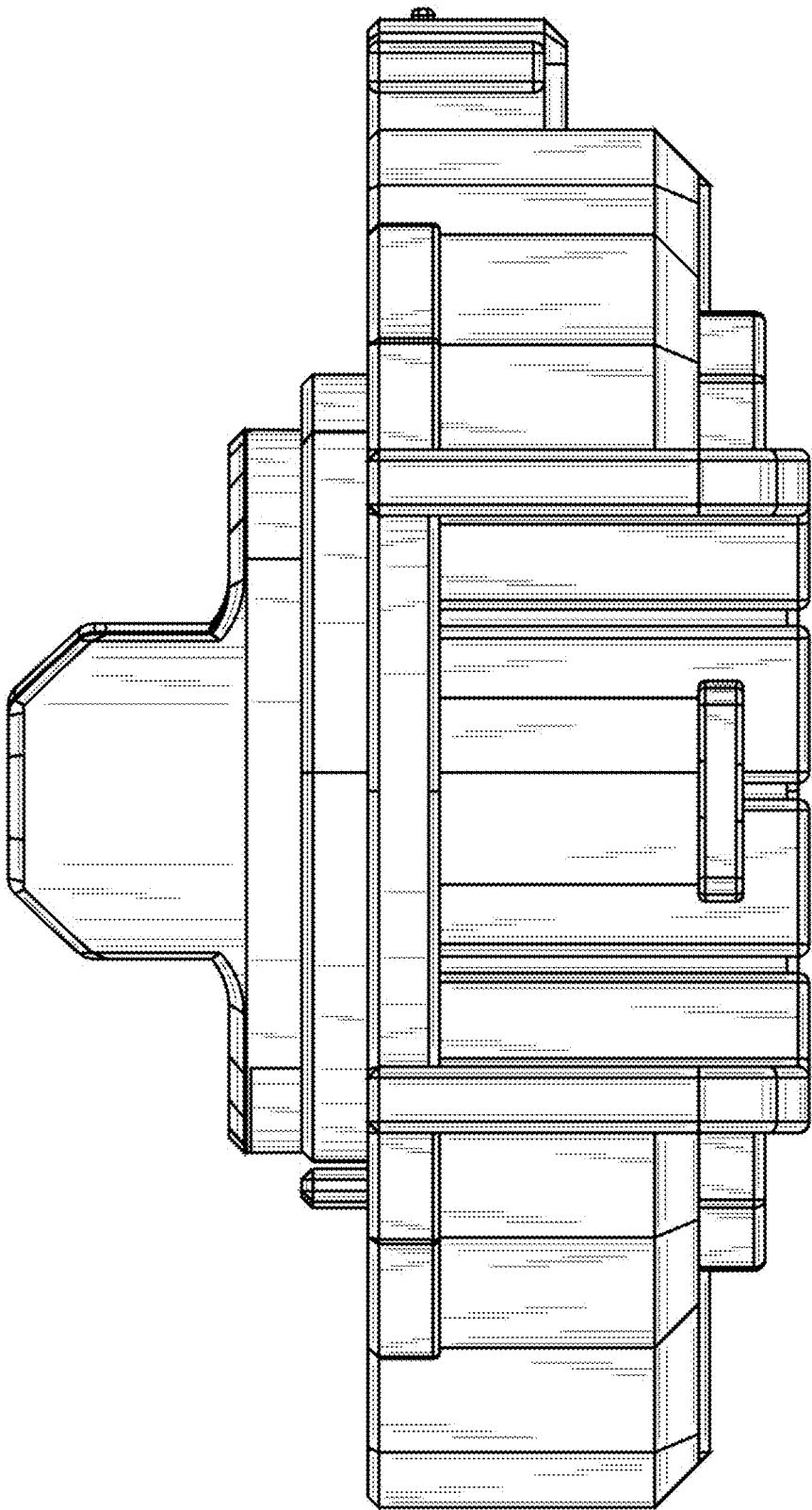


FIG. 5

FIG. 6

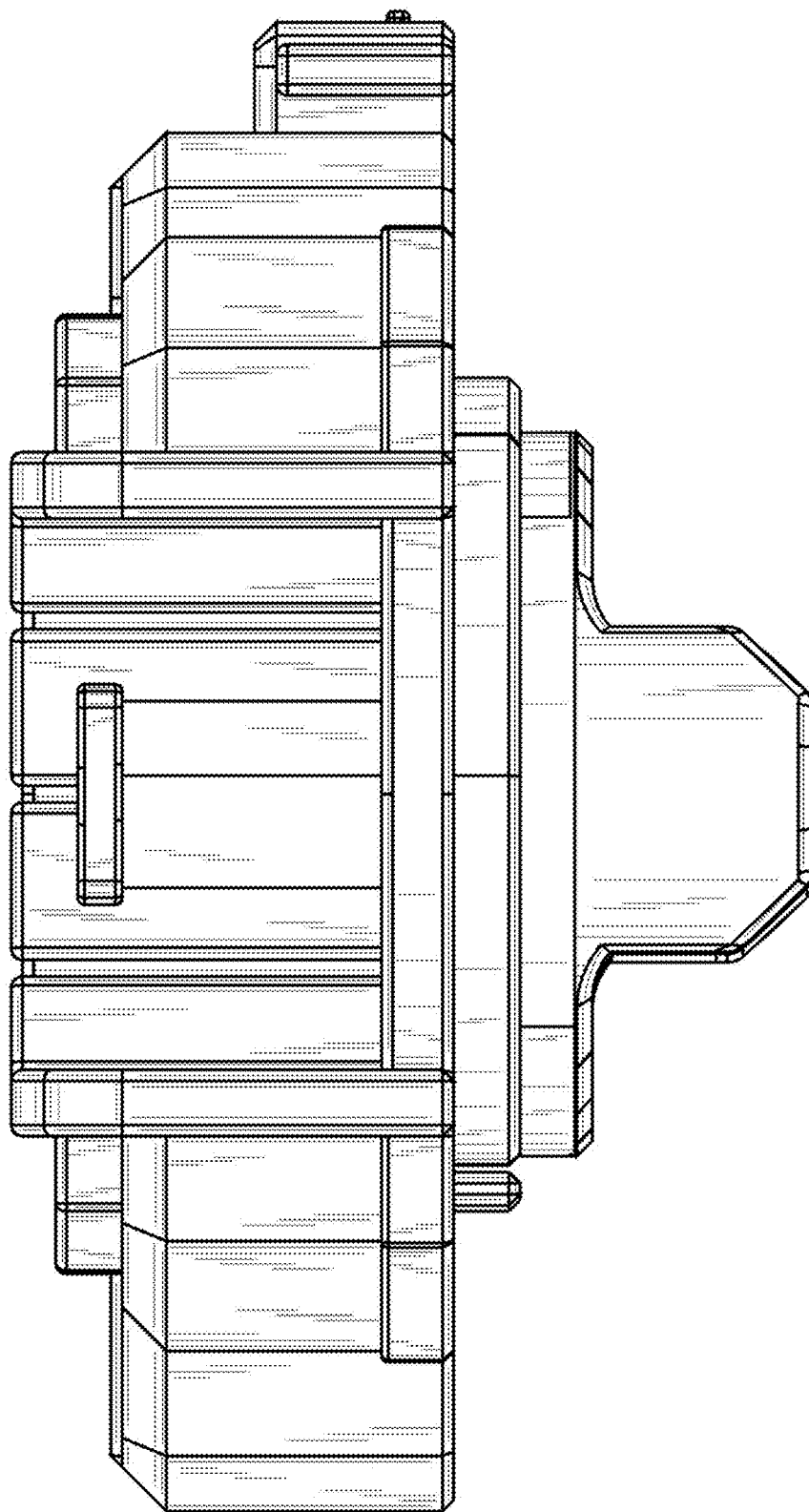


FIG. 7

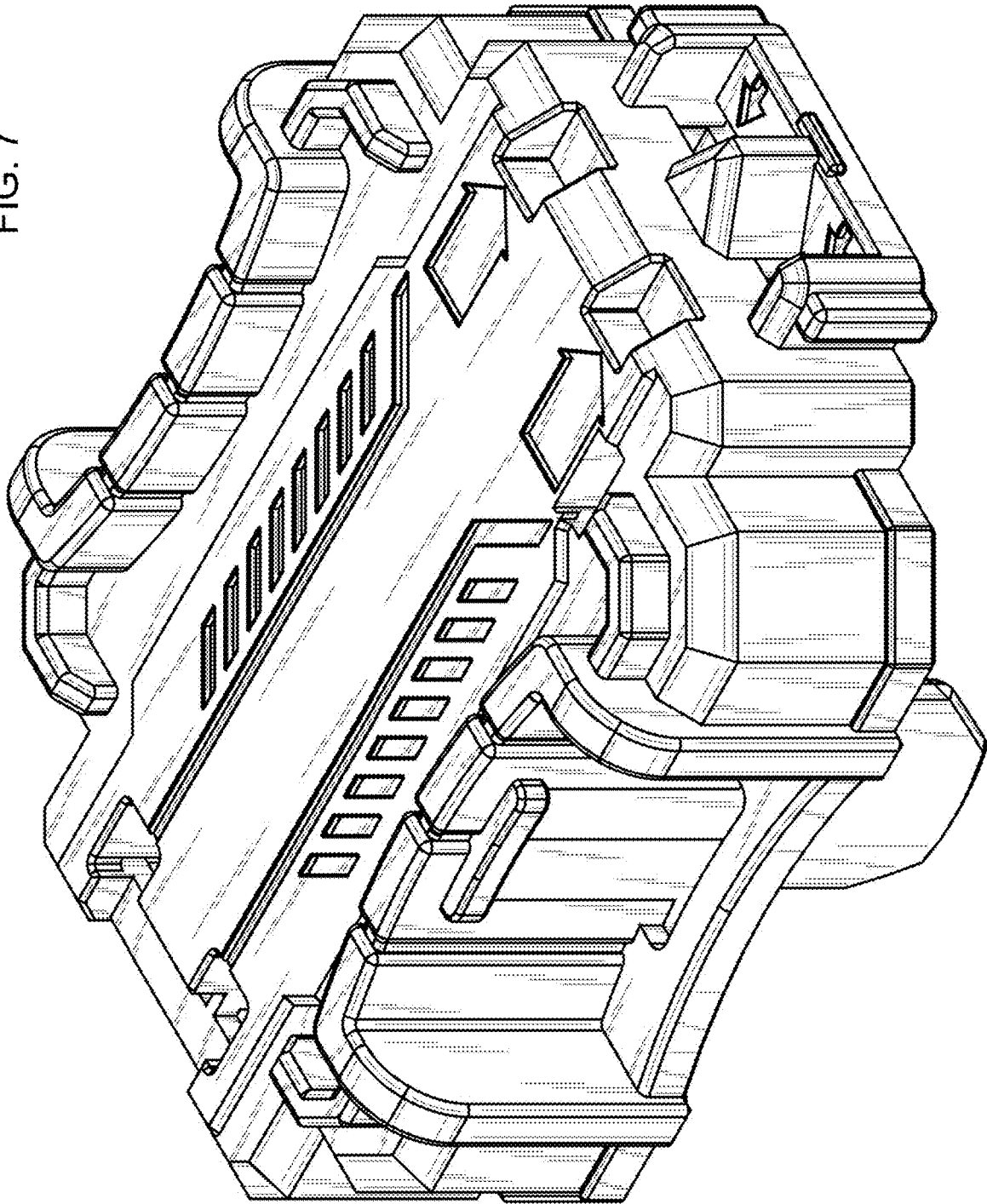
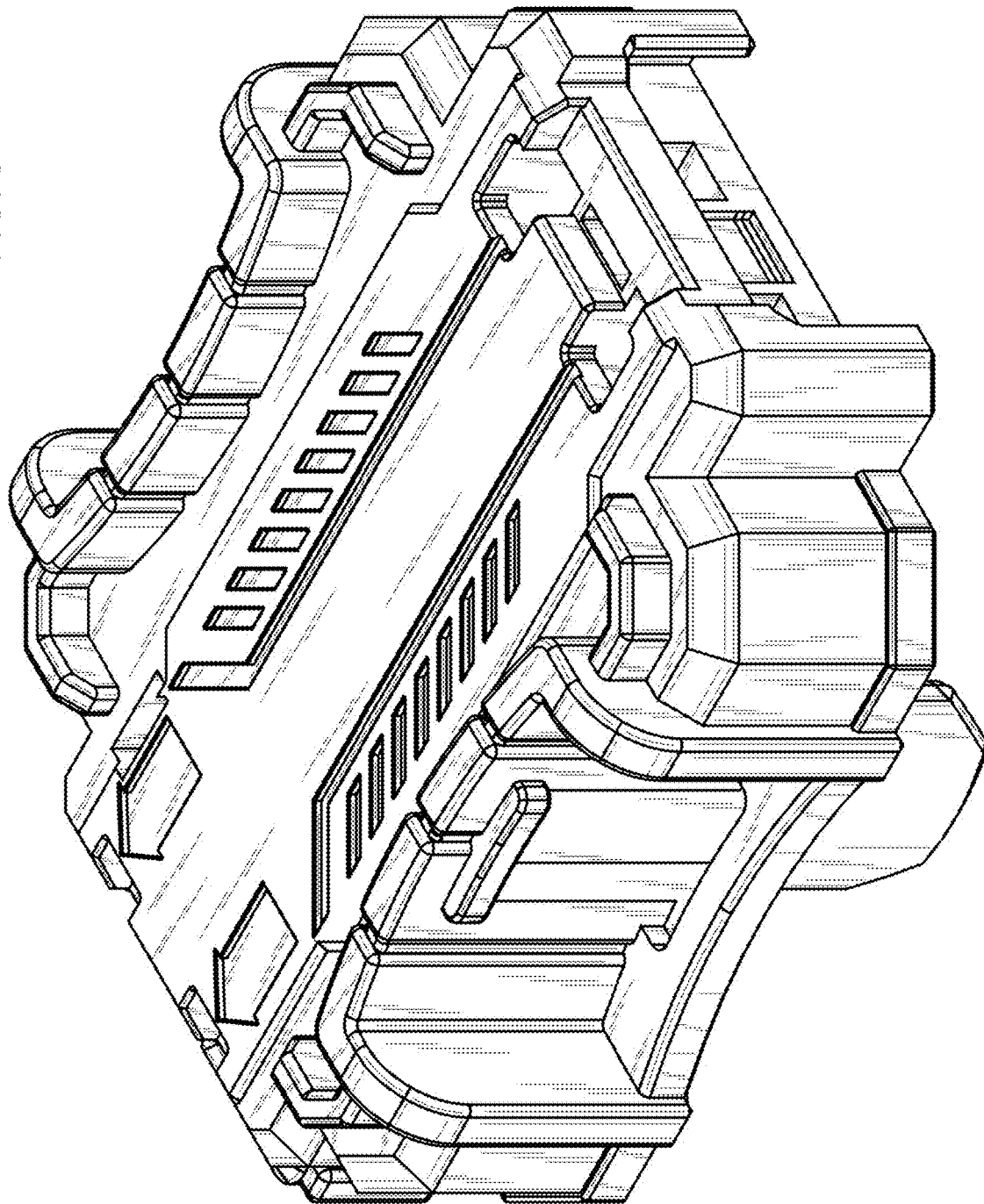


FIG. 8



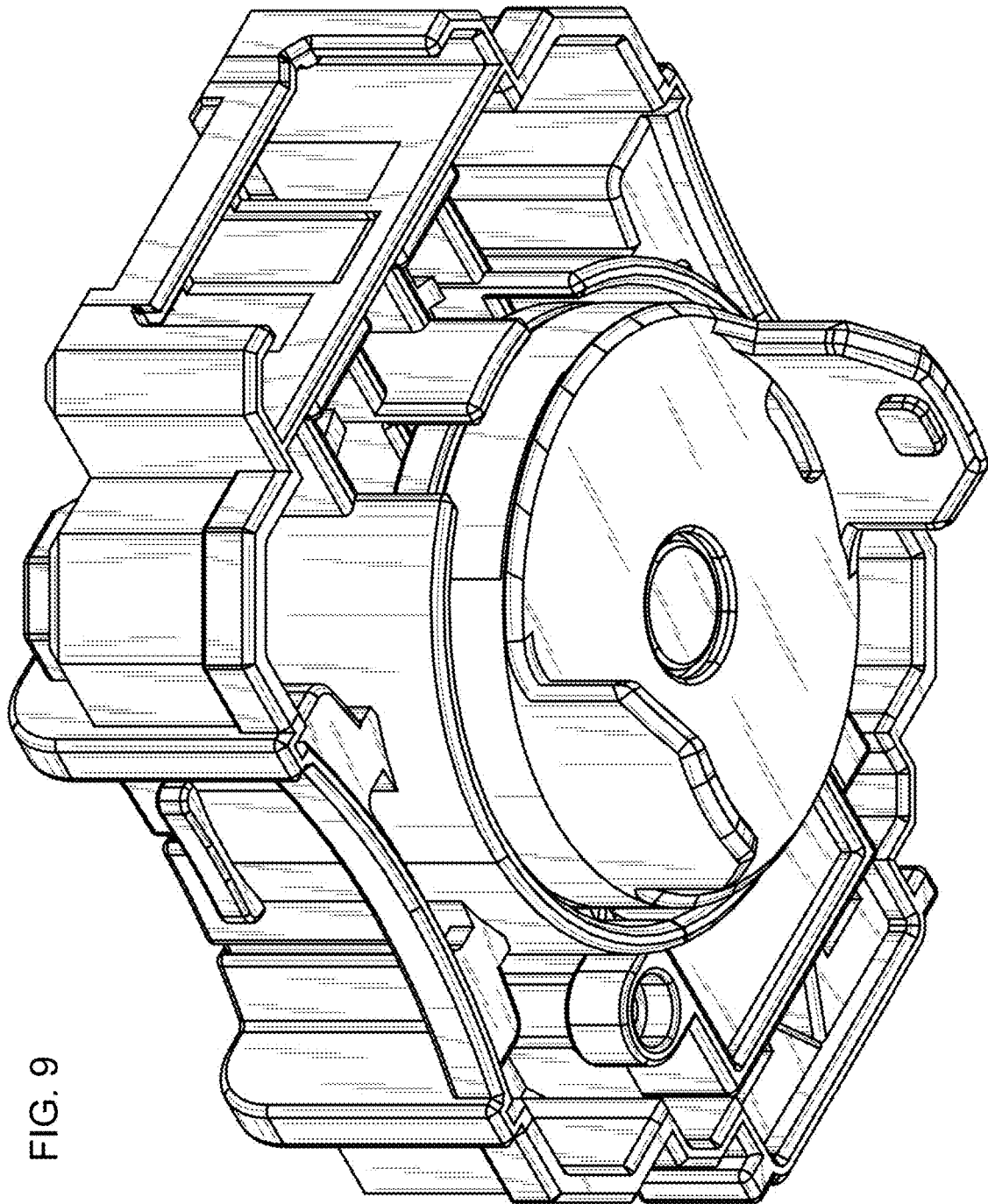


FIG. 9