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(12) **United States Design Patent** (10) **Patent No.:** **US D863,913 S**
Yang (45) **Date of Patent:** **** Oct. 22, 2019**

(54) **TRIANGULAR SANDER**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** **08-03**

(52) **U.S. Cl.**
USPC **D8/62**

(58) **Field of Classification Search**

USPC D8/69, 68, 67, 66, 64, 61, 70; 83/698.41,
83/747, 166.3, 374, 373, 375, 376, 391,
83/377, 390, 388, 389; 125/13.01;
144/218; D21/532

CPC B24B 23/028; B24B 47/12; B24B 7/186;
B25F 5/001; B25F 5/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D413,242 S * 8/1999 Robson D8/62
D416,459 S * 11/1999 Pears D8/62
D435,768 S * 1/2001 Duffy D8/62
6,179,696 B1 * 1/2001 Duffy B24B 23/03
451/357
D447,397 S * 9/2001 Netzler D8/62

D504,602 S * 5/2005 Aglassinger D8/62
D509,720 S * 9/2005 Robson D8/62
D526,868 S * 8/2006 Robson D8/62
D528,387 S * 9/2006 Robson D8/62
7,201,643 B2 * 4/2007 Dineen B25F 5/006
16/430
D573,857 S * 7/2008 Stratford D8/62
D585,257 S * 1/2009 Stratford D8/62
7,553,217 B2 * 6/2009 Reich B24B 55/102
451/344
D636,244 S * 4/2011 Keller D8/62
D640,108 S * 6/2011 Lung Ng D8/62
D640,109 S * 6/2011 Lung NG D8/62

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Primary Examiner — Austin Murphy

(57) **CLAIM**

The ornamental design for a triangular sander, as shown and described.

DESCRIPTION

FIG. 1 is a top-down perspective view of a triangular sander showing my new design;

FIG. 2 is a bottom-up perspective view thereof;

FIG. 3 is a front side elevation view thereof;

FIG. 4 is a rear side elevation view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a right side elevation view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a partially enlarged view of FIG. 5;

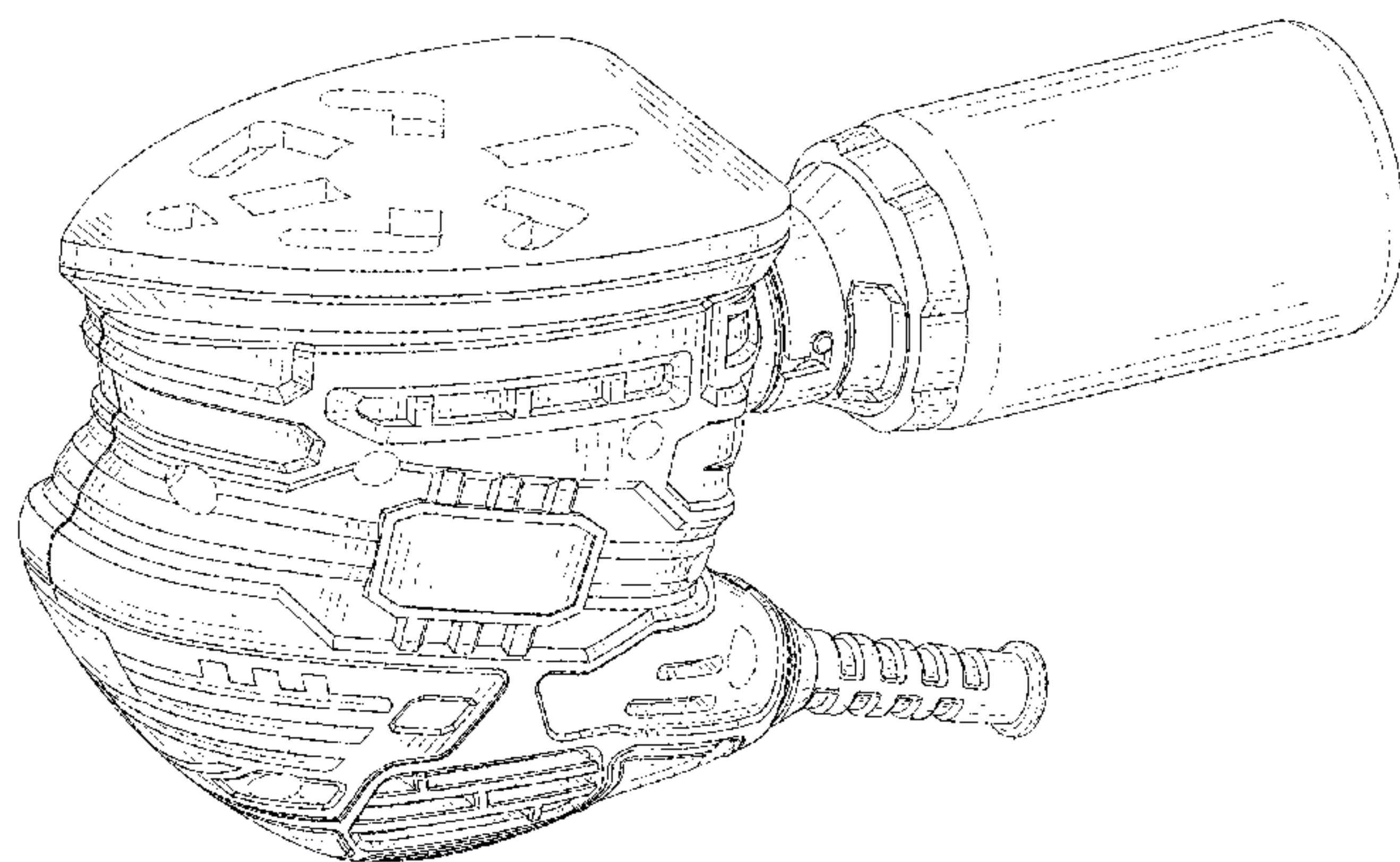
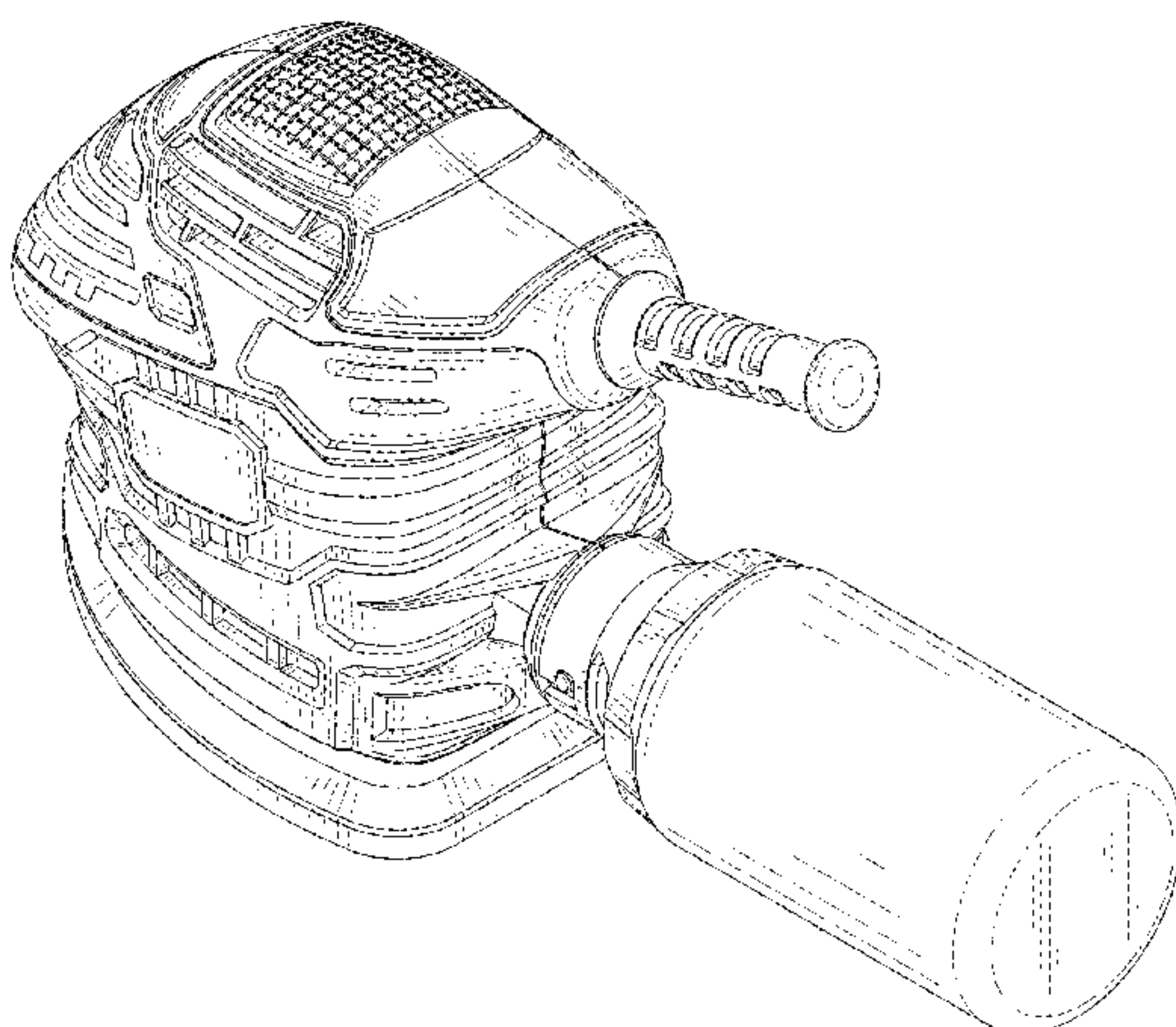
FIG. 10 is a first partially enlarged view of FIG. 6;

FIG. 11 is a second partially enlarged view of FIG. 6; and,

FIG. 12 is a partially enlarged view of FIG. 7.

Broken lines depict portions of the triangular sander that form no part of the claimed design. Dot-dash broken lines depict boundaries of the partially enlarged part of the corresponding figures that form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D714,118 S *	9/2014	Aglassinger	D8/62
9,387,578 B2 *	7/2016	Kuehne	B25F 5/02
D767,357 S *	9/2016	Fahrner	D8/62
2006/0003680 A1 *	1/2006	Robson	B25F 5/02
			451/357

* cited by examiner

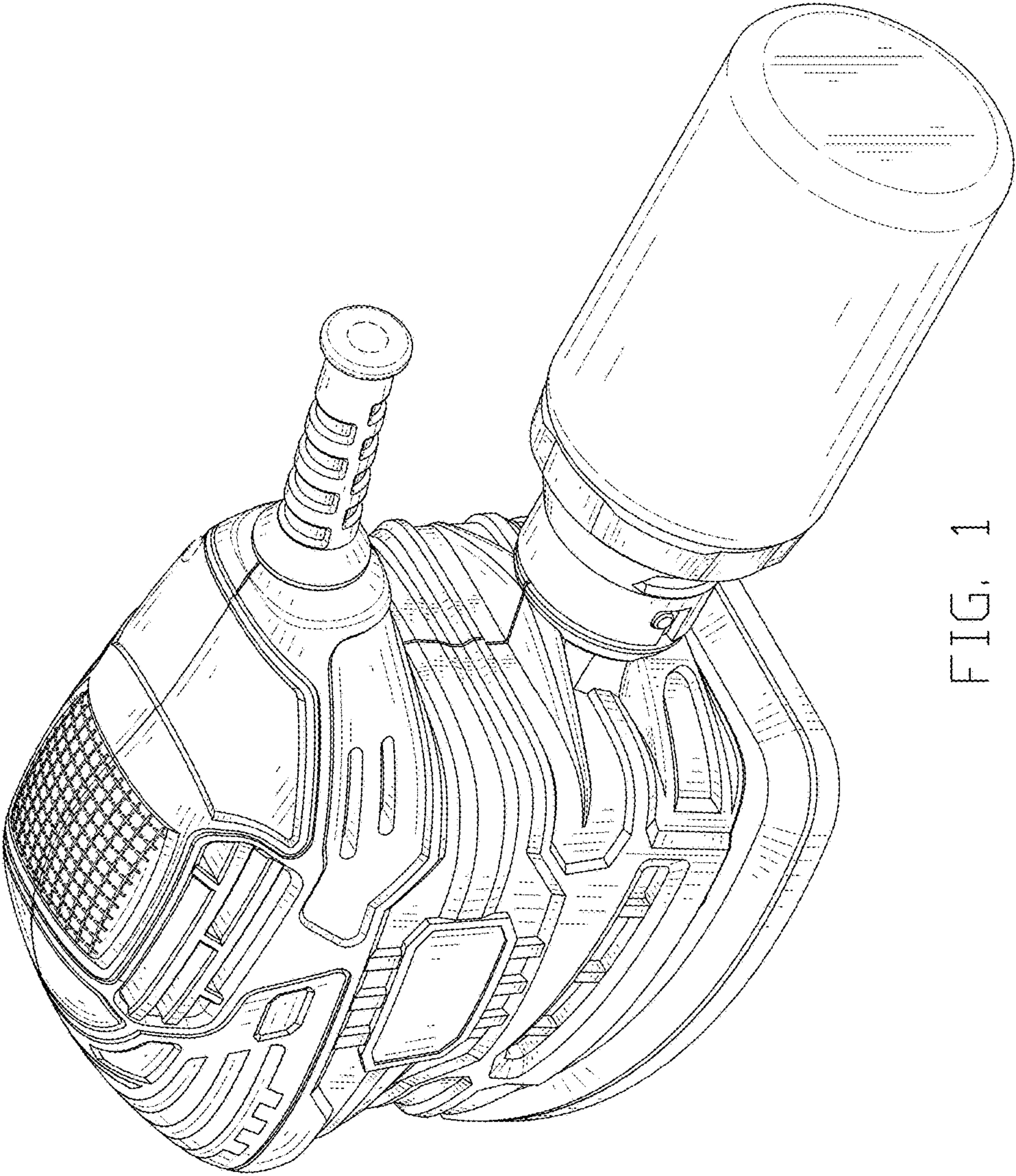


FIG. 1

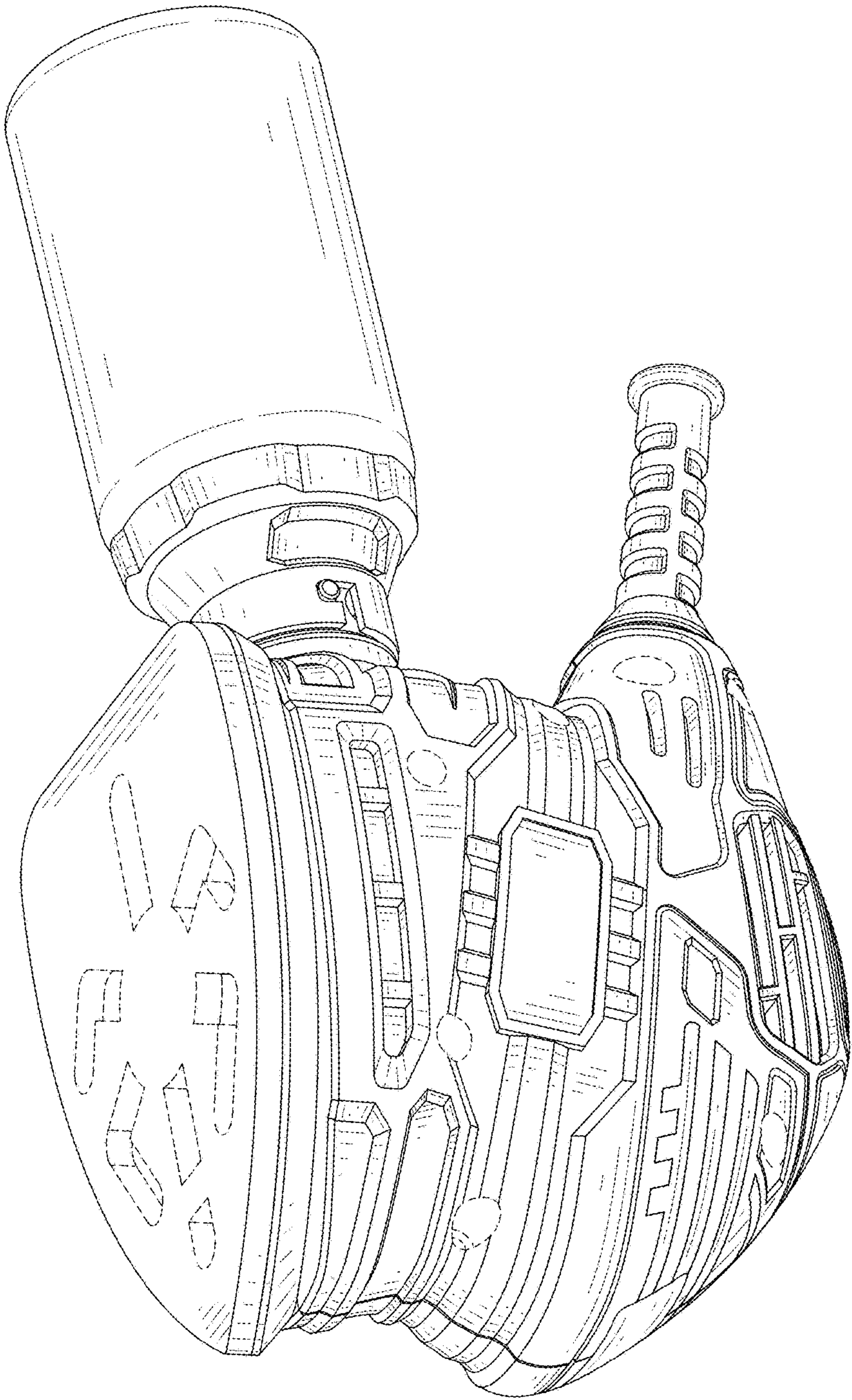


FIG. 2

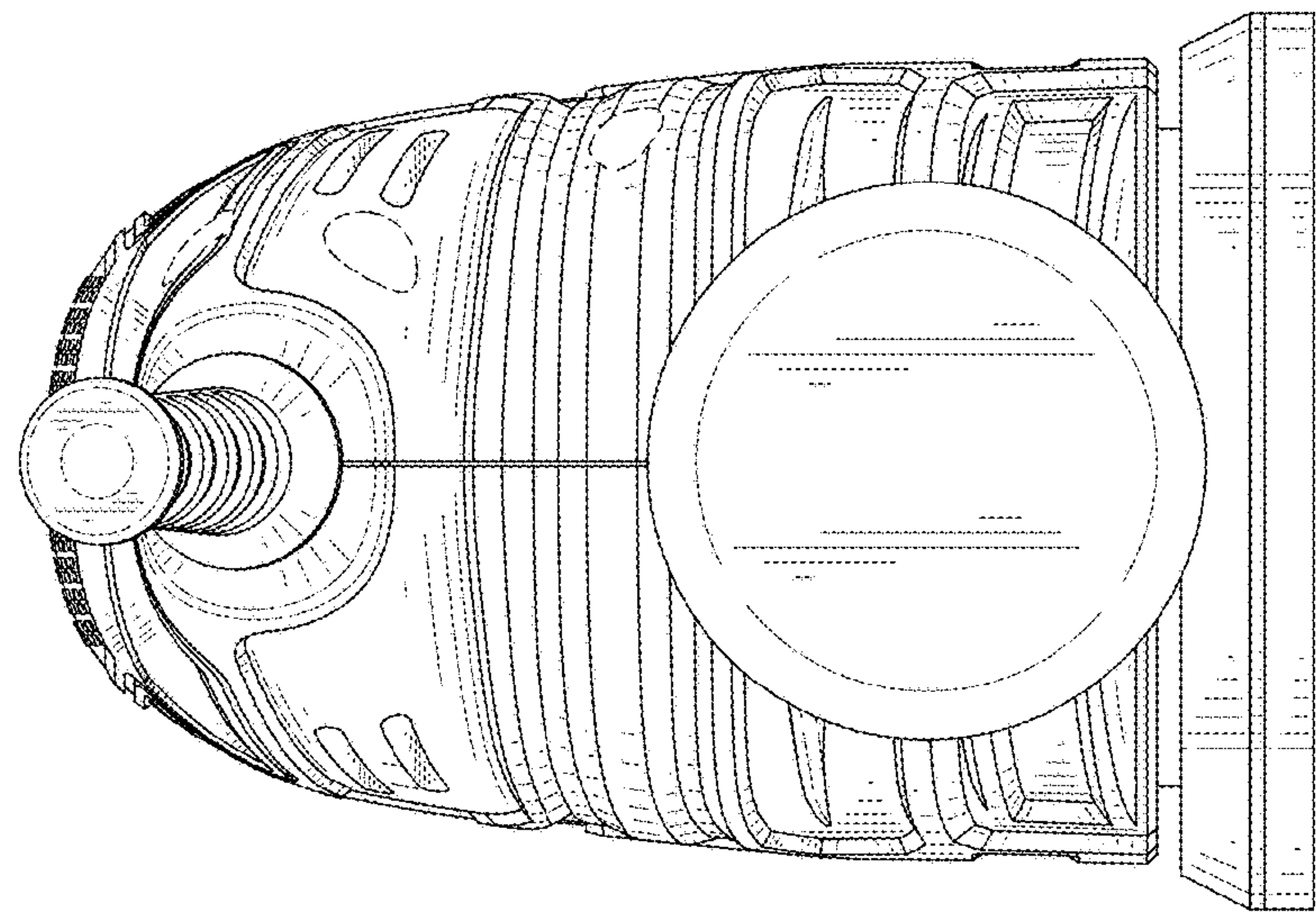


FIG. 3

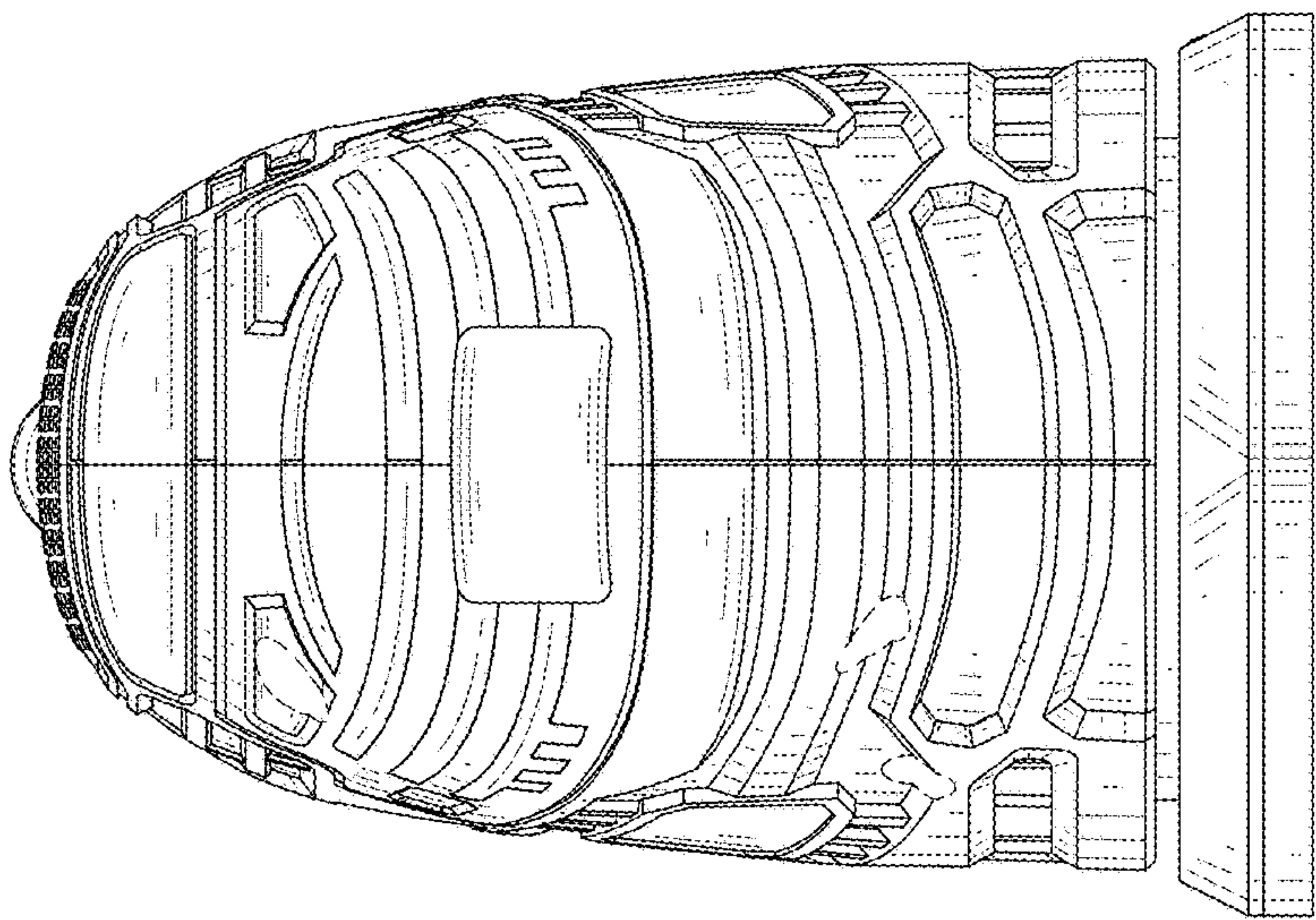


FIG. 4

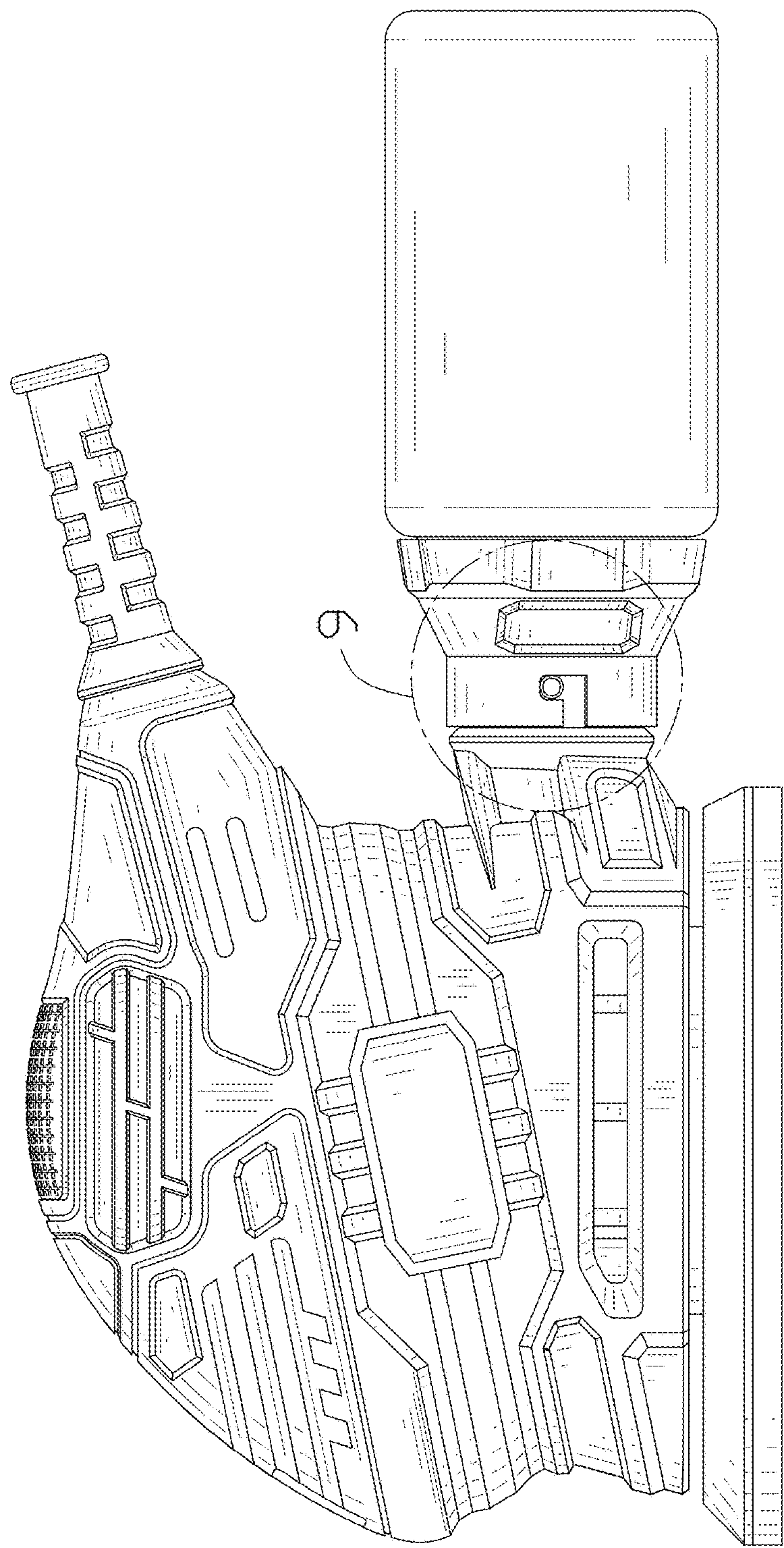


FIG. 5

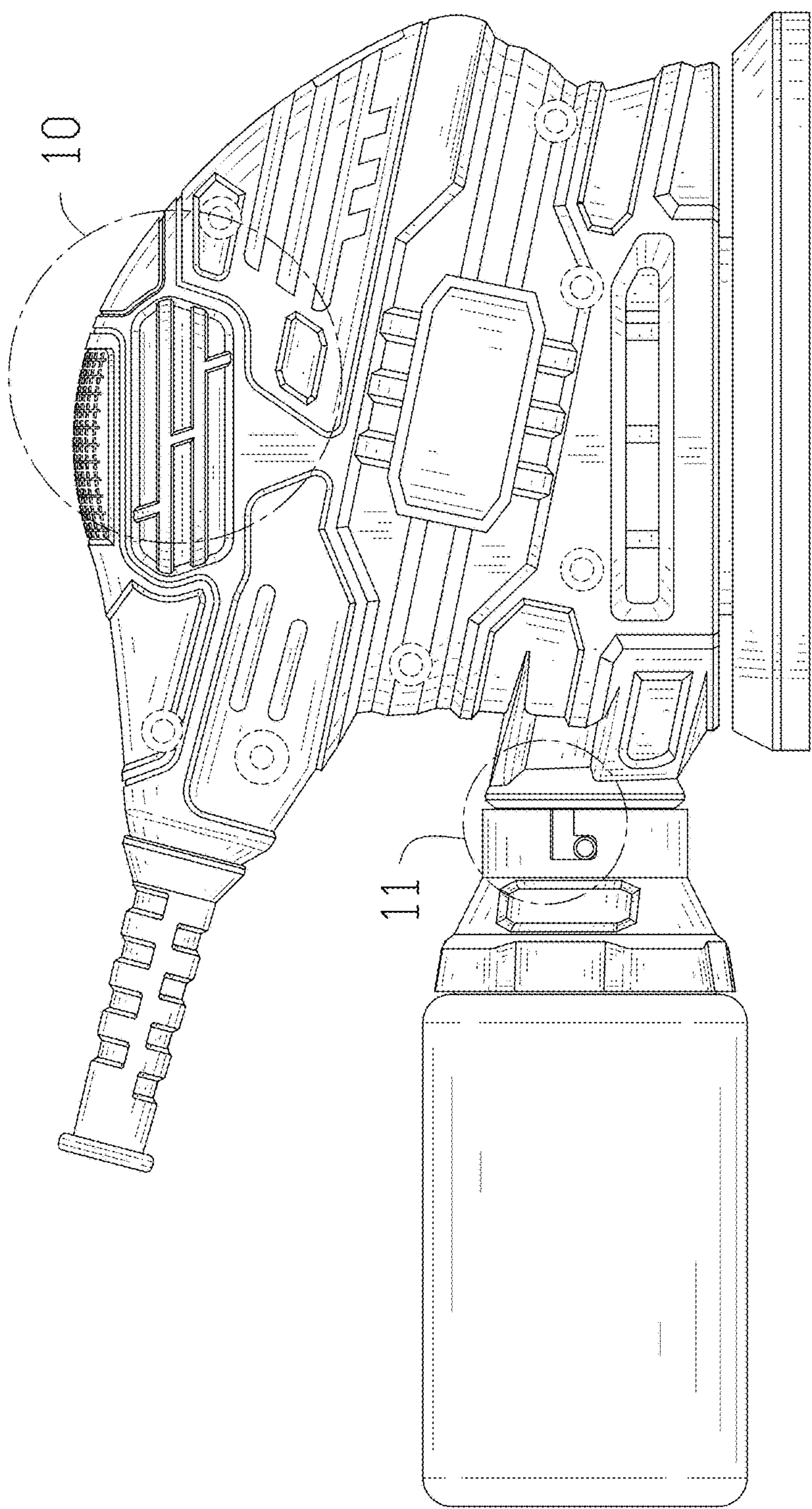


FIG. 6

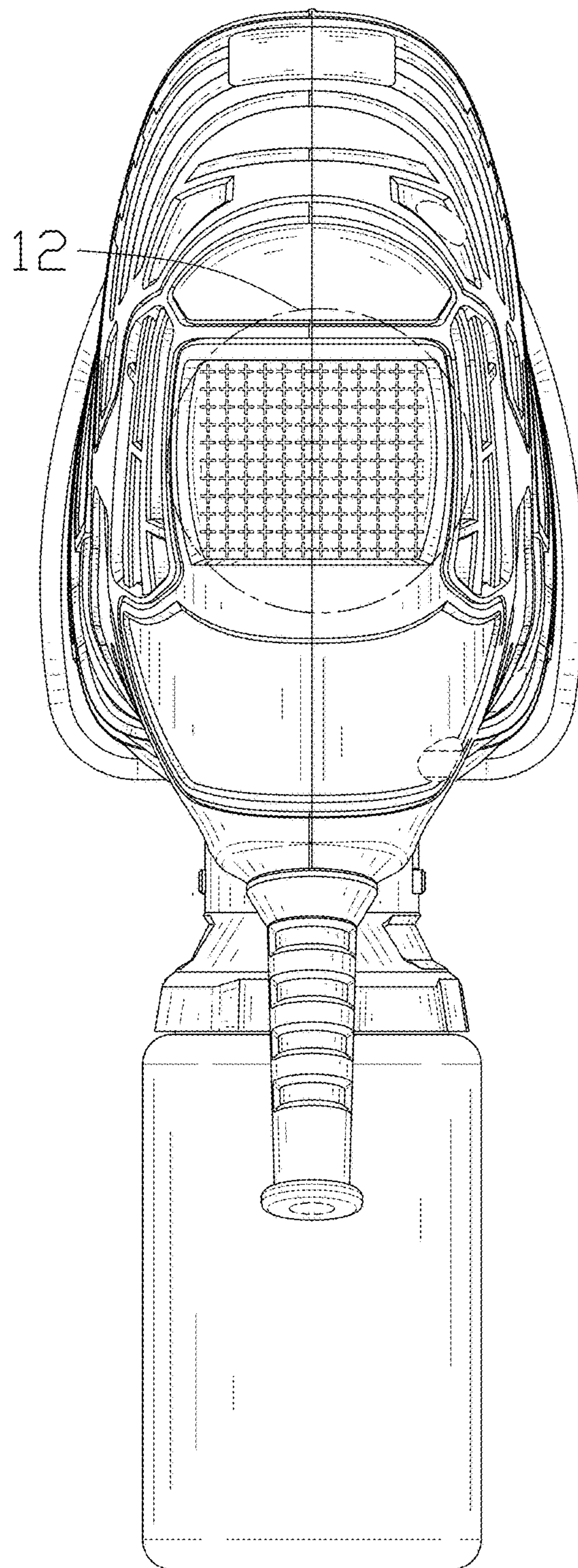


FIG. 7

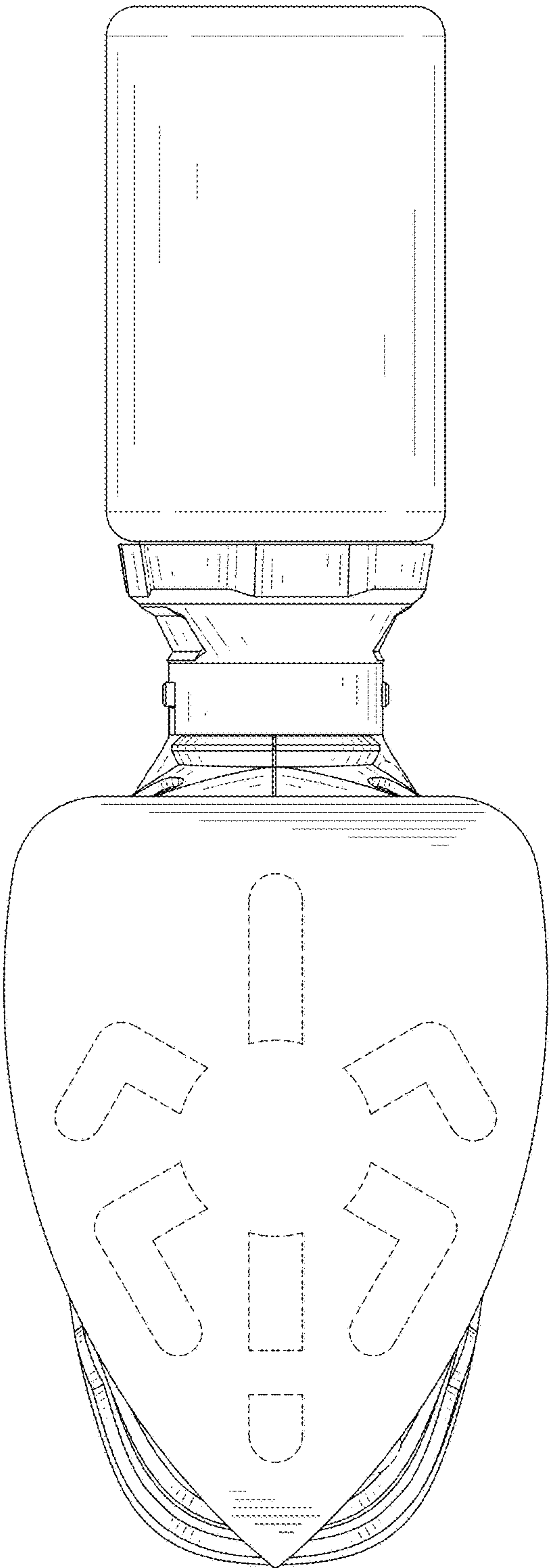


FIG. 8

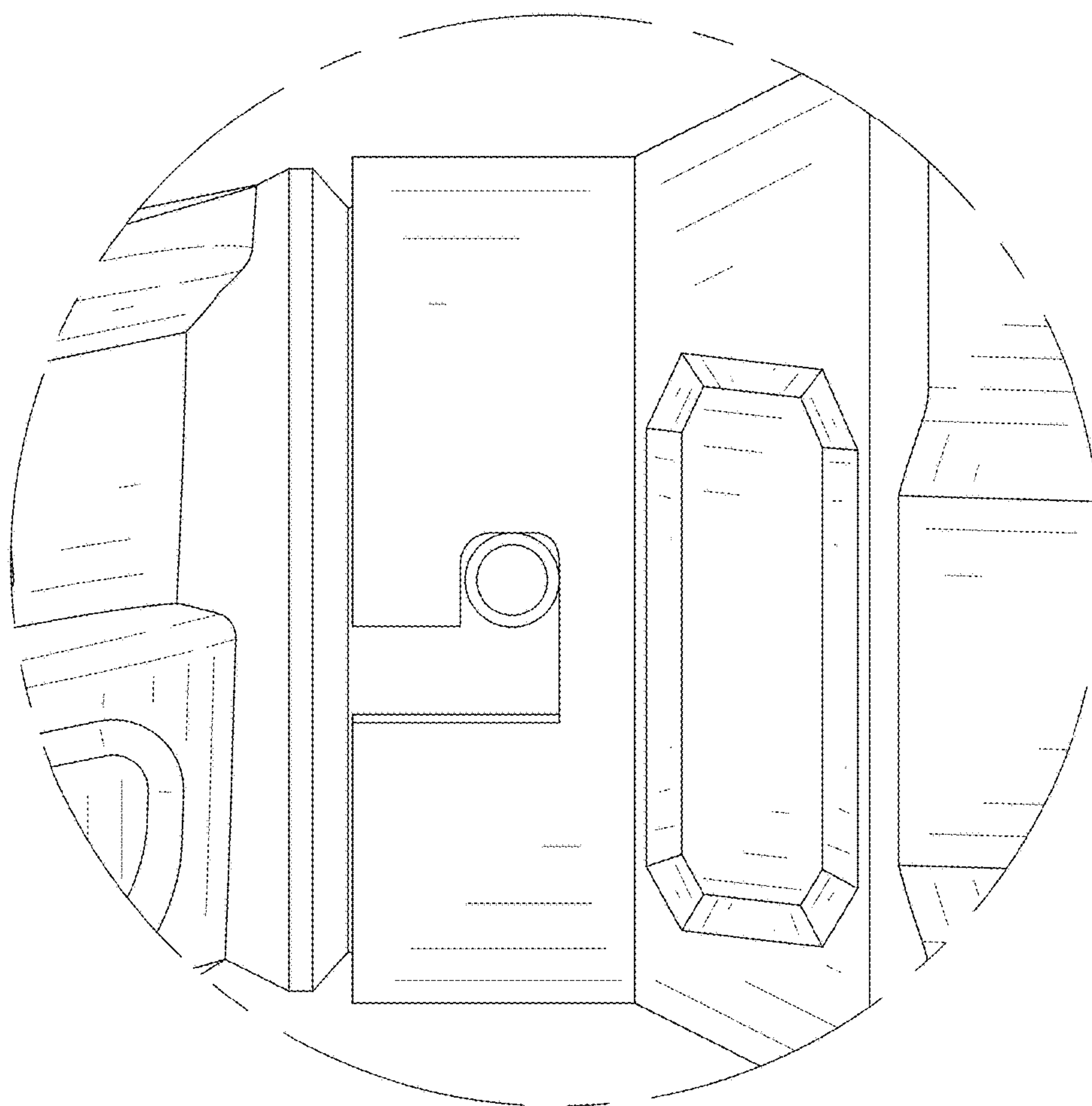


FIG. 9

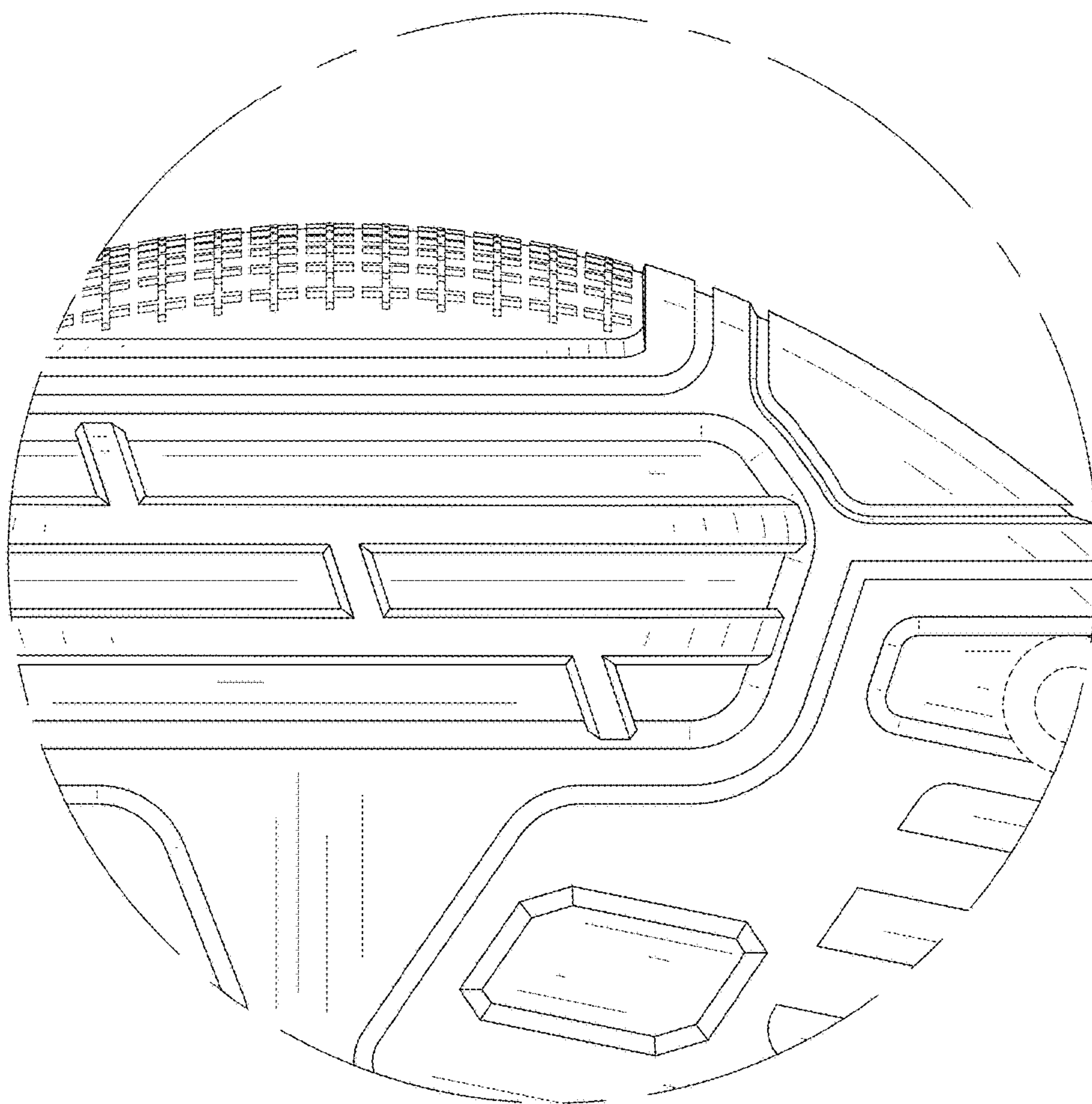


FIG. 10

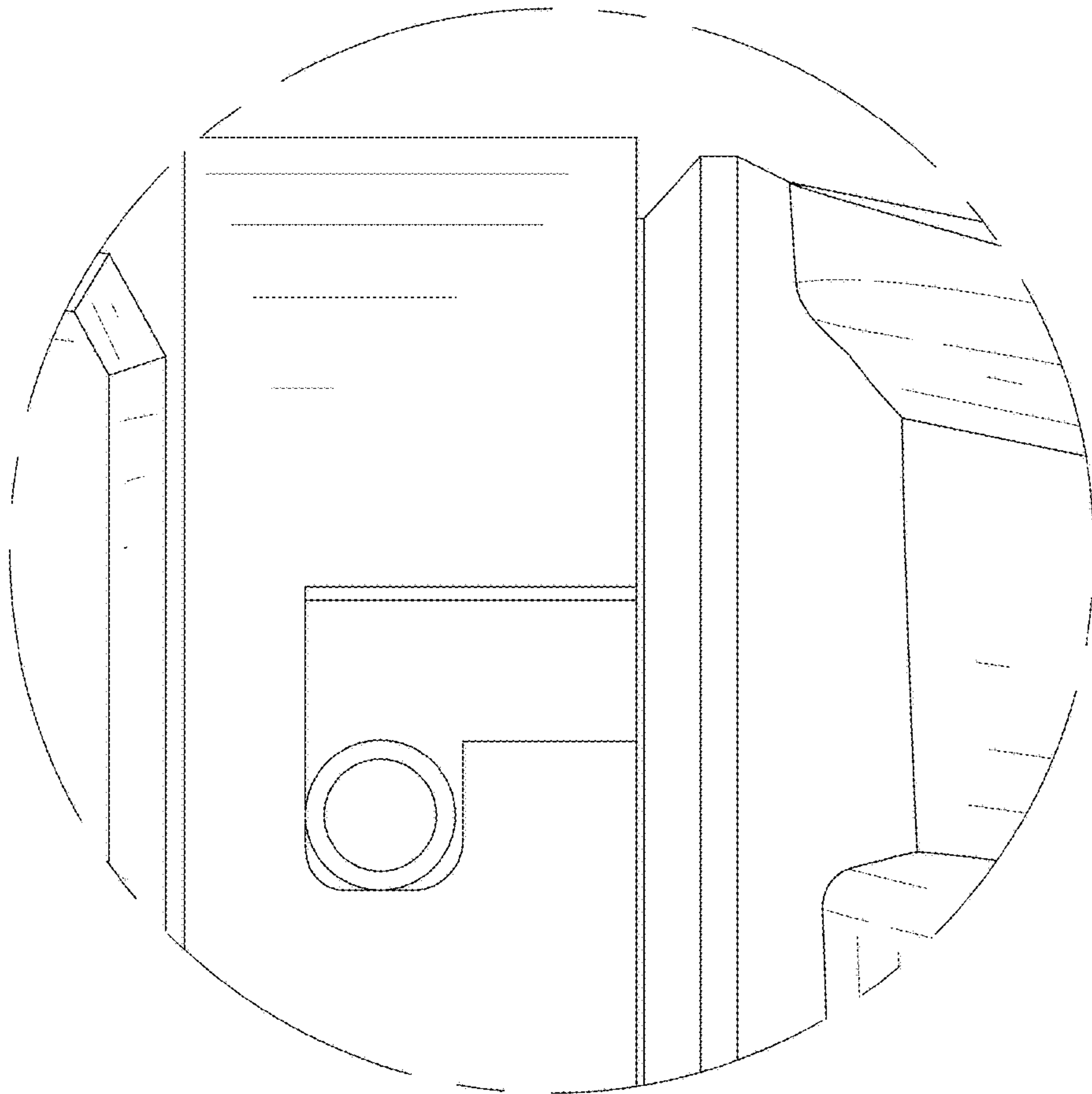


FIG. 11

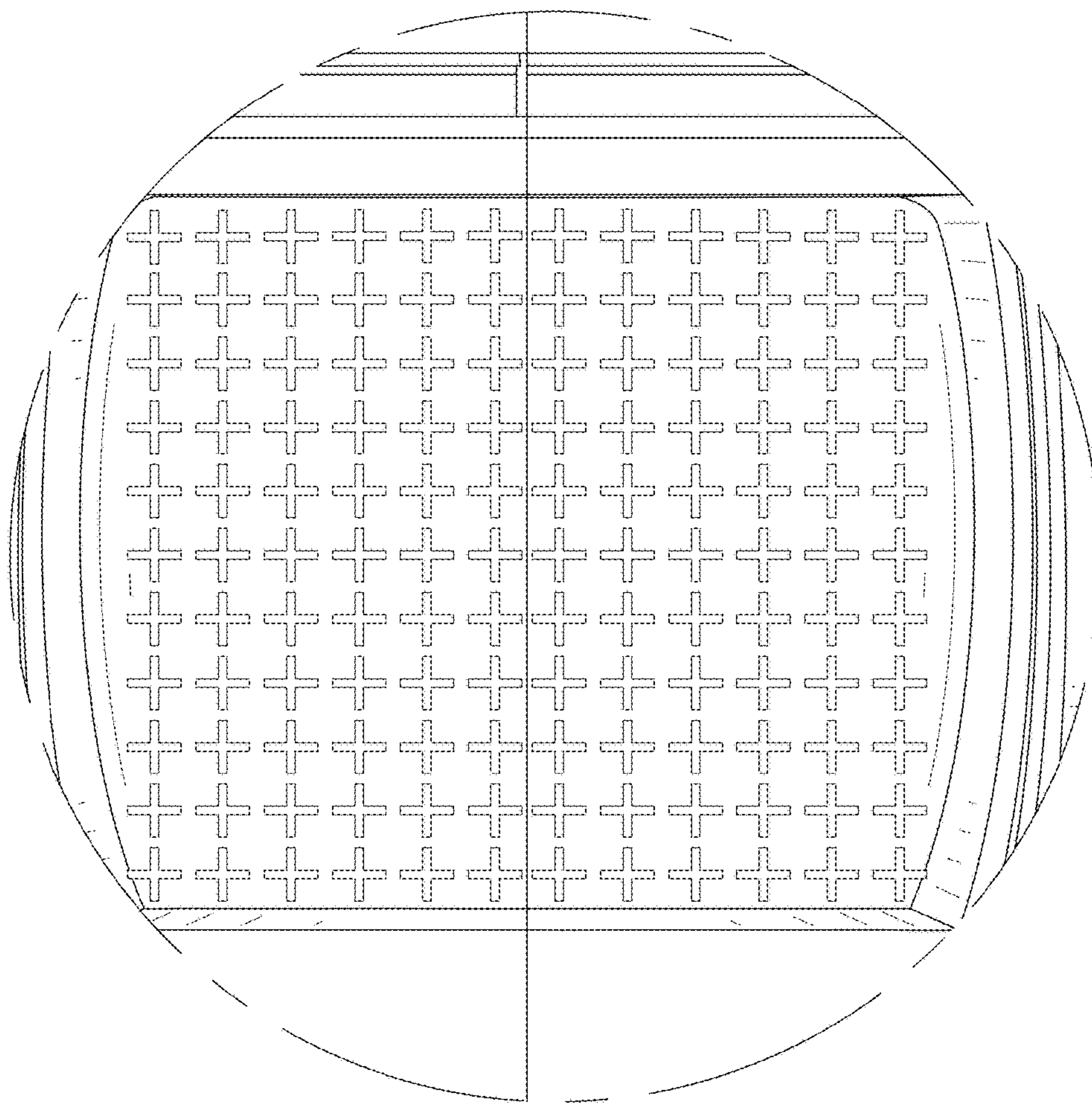


FIG. 12