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(12) **United States Design Patent**
Kim et al.

(10) **Patent No.:** **US D749,283 S**

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(54) **CLEANER**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

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5,924,166	A *	7/1999	Jones et al.	15/330
D485,652	S *	1/2004	Erlich	D32/18
D522,191	S *	5/2006	Erlich	D32/18
D569,058	S *	5/2008	Crawley	D32/18
D679,877	S *	4/2013	Crevling et al.	D32/18
D682,493	S *	5/2013	Erlich et al.	D32/18
D702,406	S *	4/2014	Mu	D32/17
2010/0050368	A1 *	3/2010	Curien	15/320
2014/0109340	A1 *	4/2014	Fischer	15/353
2014/0237760	A1 *	8/2014	Conrad	15/344

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(**) Term: **14 Years**

* cited by examiner

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Primary Examiner — Ruth McInroy

(22) Filed: **Sep. 19, 2014**

(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Mar. 19, 2014 (KR) 30-2014-0013670

The ornamental design for a cleaner, as shown and described.

(51) **LOC (10) Cl.** **15-05**

DESCRIPTION

(52) **U.S. Cl.**
USPC **D32/18**

(58) **Field of Classification Search**
USPC D32/1, 15-16, 18, 21-22, 31, 34;
D30/158

CPC A47L 5/24; A47L 5/362; A47L 15/28;
A47L 9/325; A47L 9/2857; A47L 9/1427;
A47L 15/14; A47L 9/2884; A47L 9/1666;
A47L 9/1683; A47L 9/1625; A47L 9/22;
B26B 19/44; B60S 3/002; F28G 3/166;
B01D 50/002; B01D 45/12; B01D 46/4254;
B01D 46/10

FIG. 1 is a perspective view of a cleaner, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a side view thereof;
FIG. 5 is another side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.
The broken lines are for environmental purpose only and form no part of the claimed design.

See application file for complete search history.

1 Claim, 7 Drawing Sheets

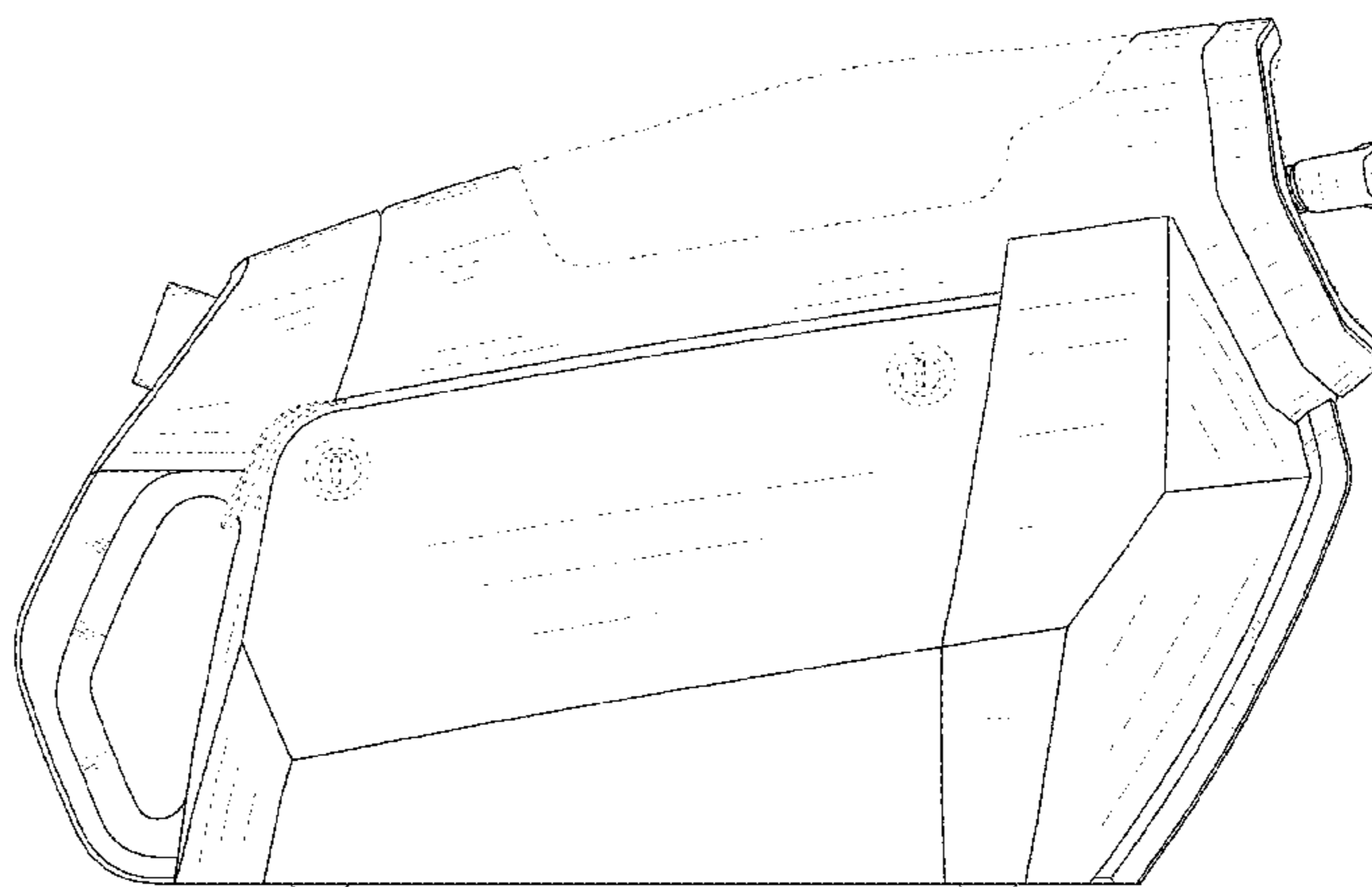
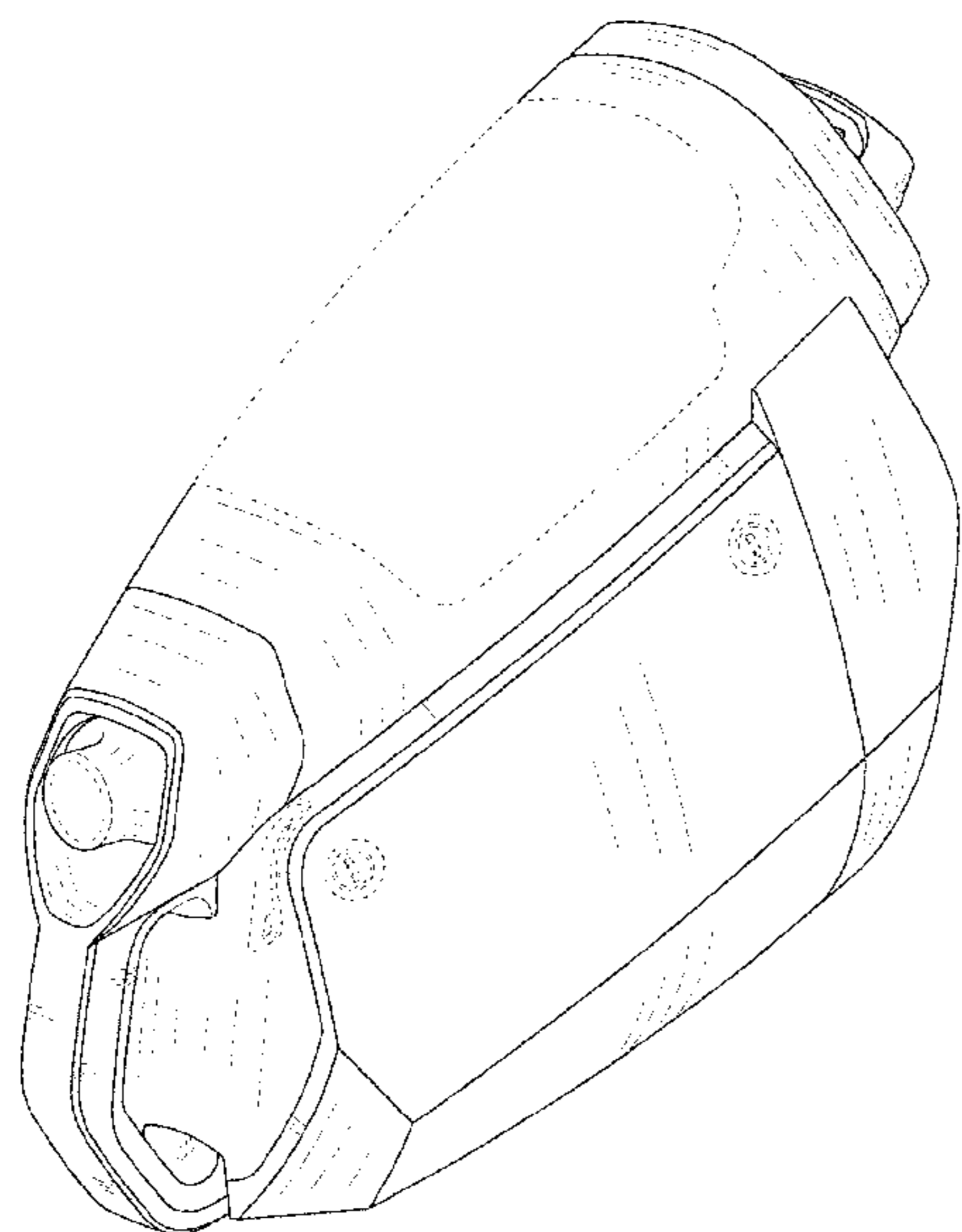


FIG. 1

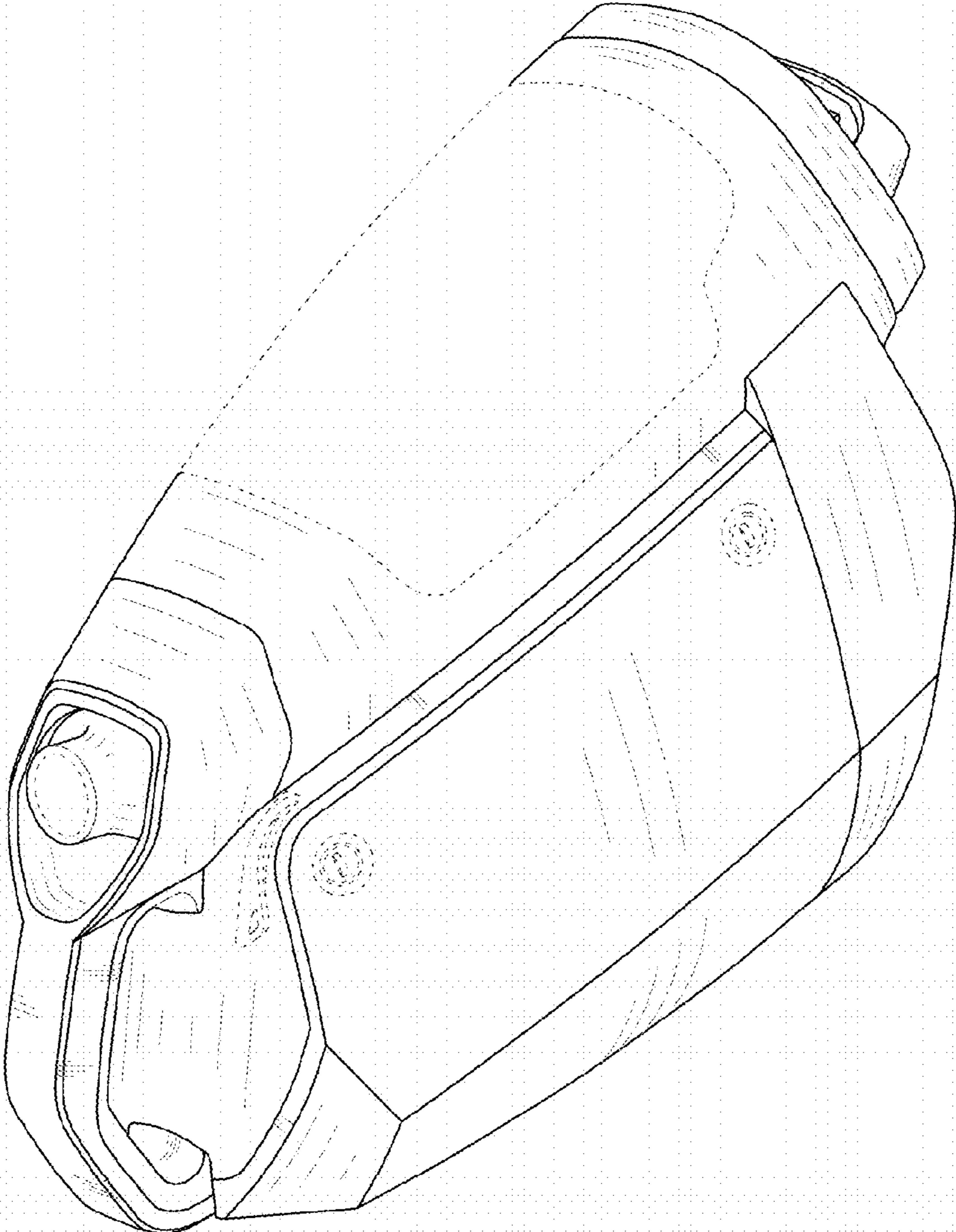


FIG. 2

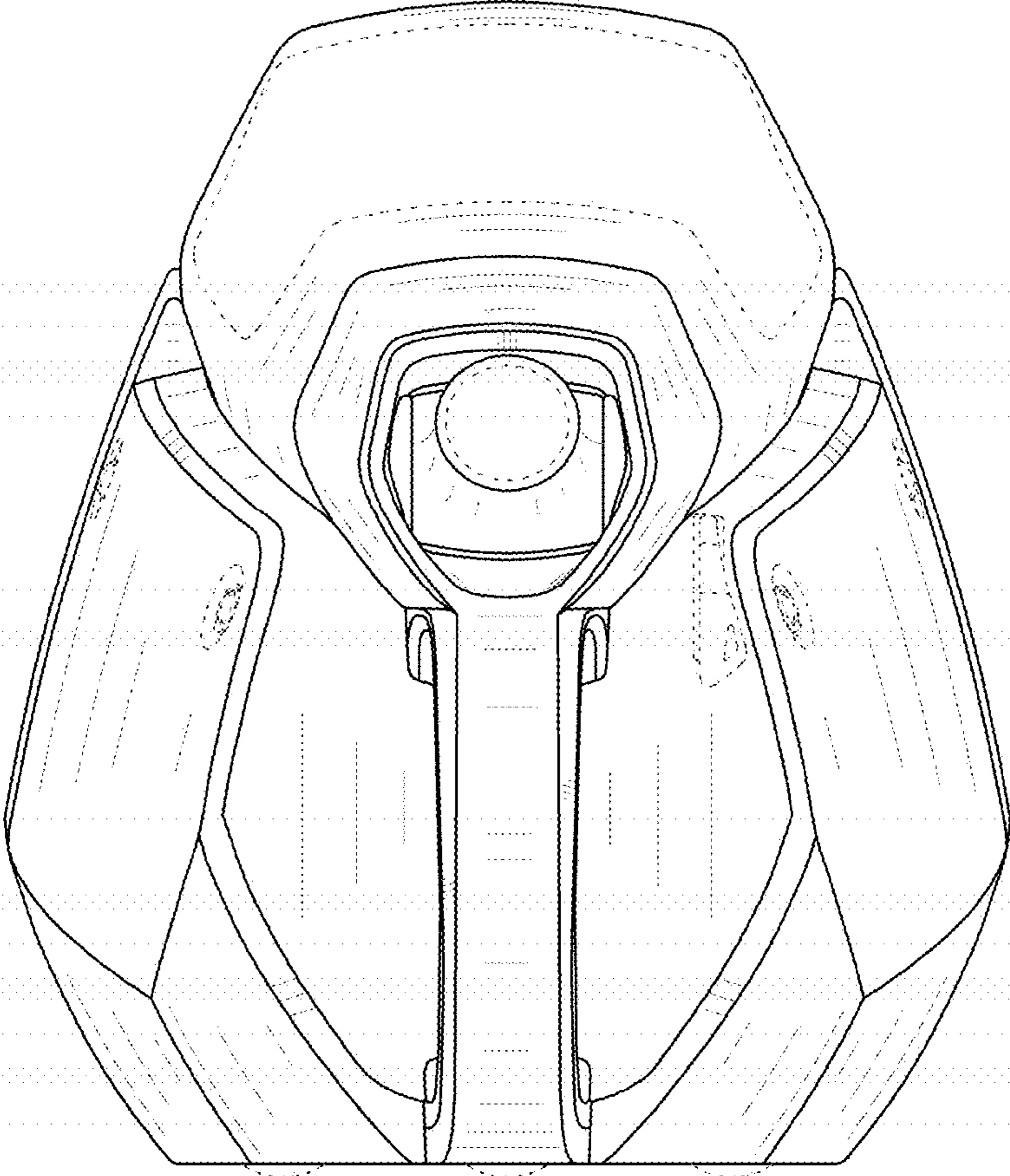


FIG. 3

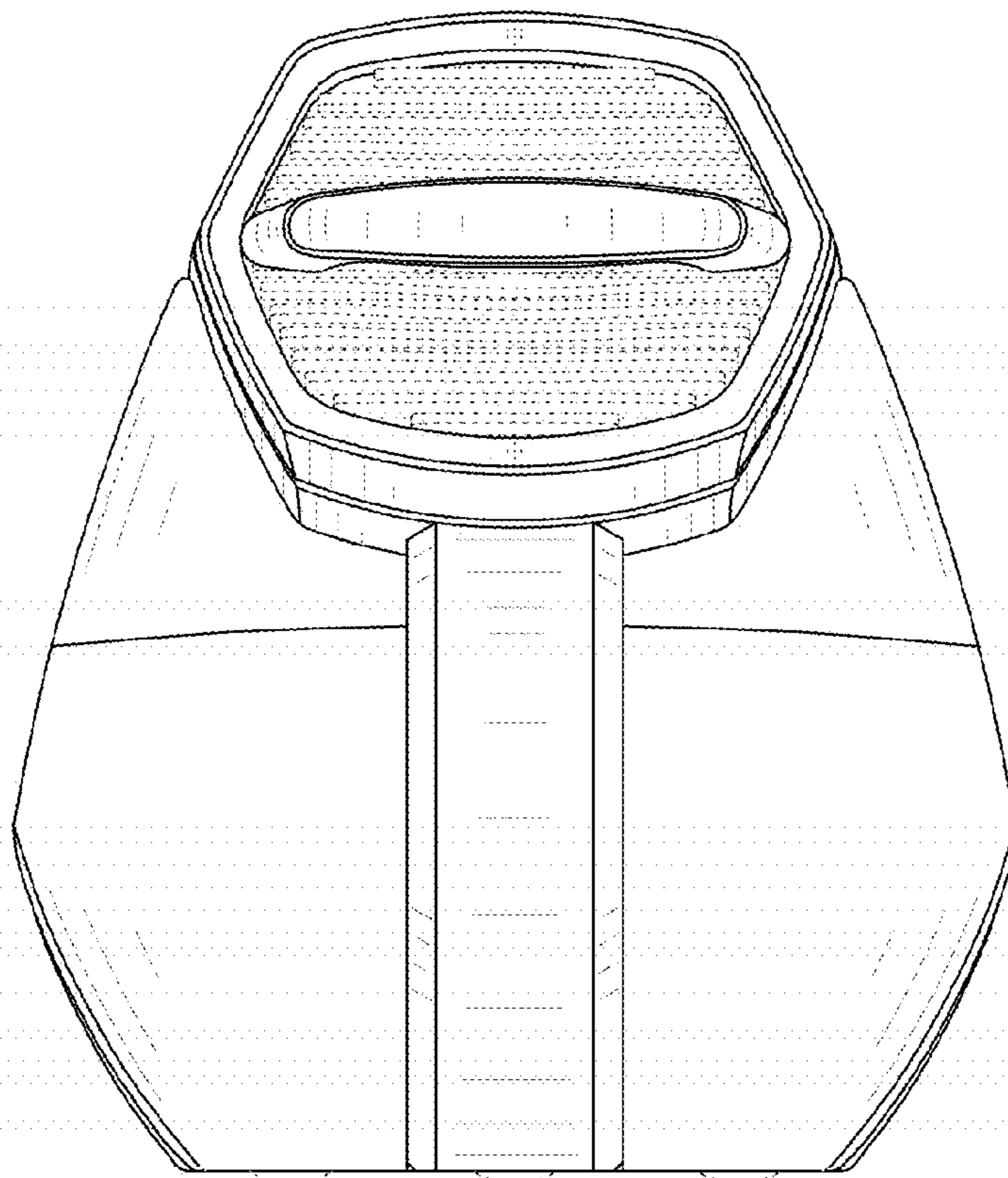


FIG. 4

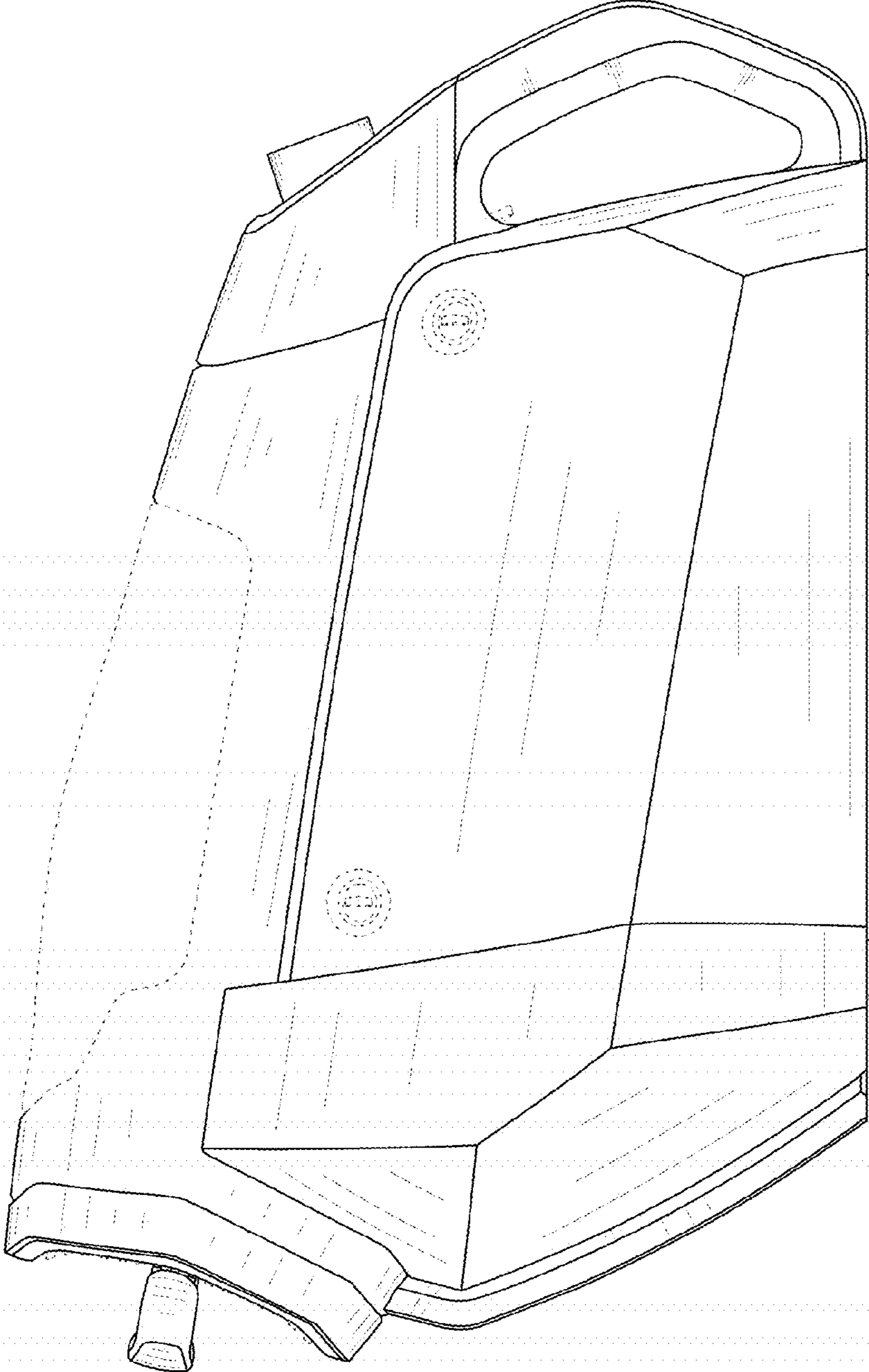




FIG. 5

FIG. 6

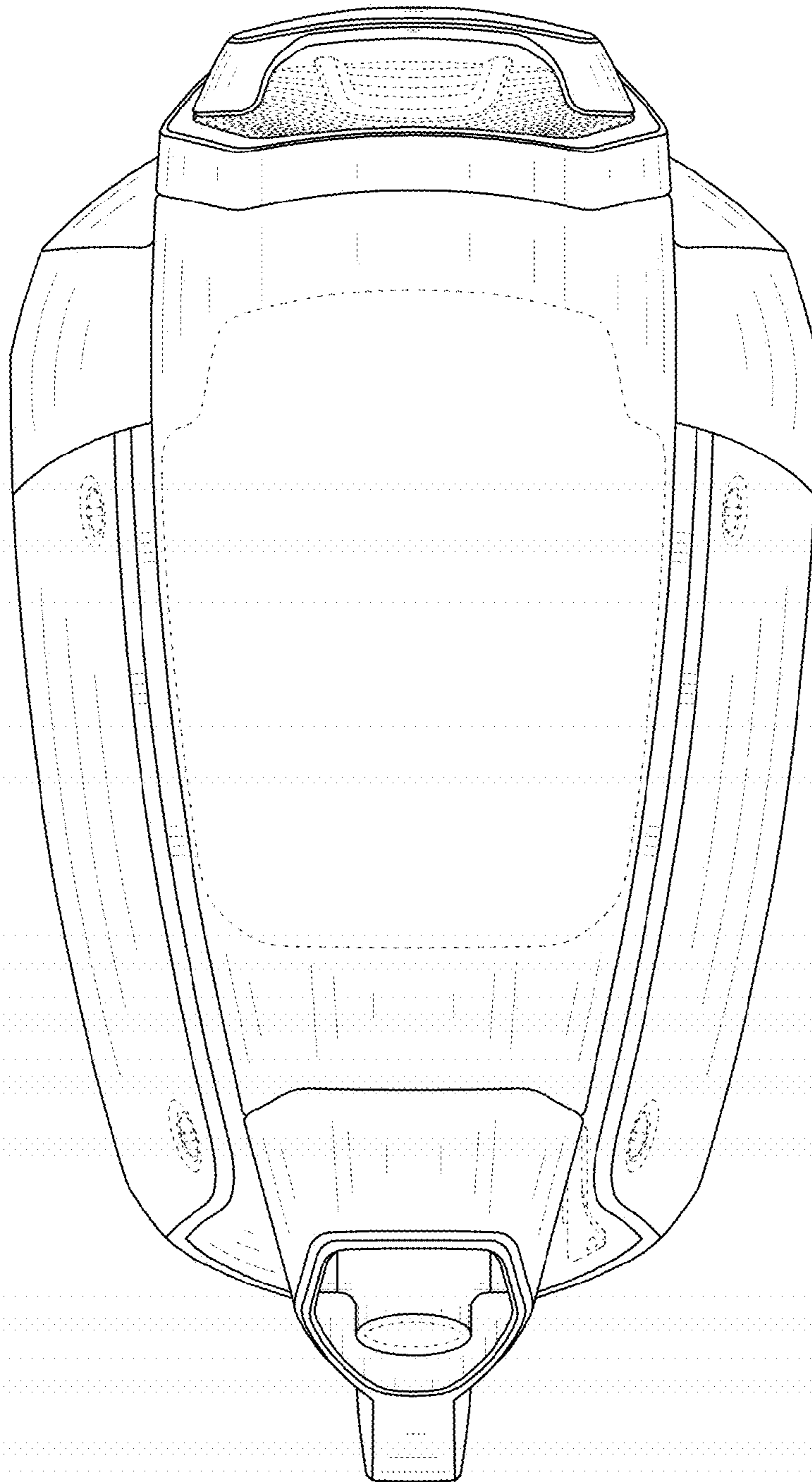


FIG. 7

