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

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(54) **VINE TYING MACHINE**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **09-06**

(52) **U.S. Cl.**
USPC **D8/356**

(58) **Field of Classification Search**
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140/93.6, 119, 120
CPC B21F 15/04; B66D 1/7452; B60P 7/0846;
E04G 21/123
See application file for complete search history.

9,004,114 B2 * 4/2015 Kasahara E04G 21/122
140/93.6

D736,603 S * 8/2015 Petzl D8/356

D779,926 S * 2/2017 Taylor D8/356

D807,730 S * 1/2018 Wu D8/356

D863,041 S * 10/2019 Short D8/356

10,590,666 B2 * 3/2020 Itagaki B21F 15/04

11,103,915 B2 * 8/2021 Bastoni B21F 15/04

2006/0022104 A1 * 2/2006 Treat B60P 7/0846
248/300

2013/0270498 A1 * 10/2013 Burneister B66D 1/7452
254/266

2015/0107066 A1 * 4/2015 Lu B60P 7/0846
24/69 ST

2015/0117975 A1 * 4/2015 Wright B60P 7/0846
410/103

* cited by examiner

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(57) **CLAIM**

The ornamental design for a vine tying machine, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vine tying machine showing my new design.

FIG. 2 is a side view thereof;

FIG. 3 is an opposite side view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The features presented in broken lines represent portions of the vine tying machine that form no part of the claimed design.

1 Claim, 3 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D176,570 S * 1/1956 Taylor D8/356

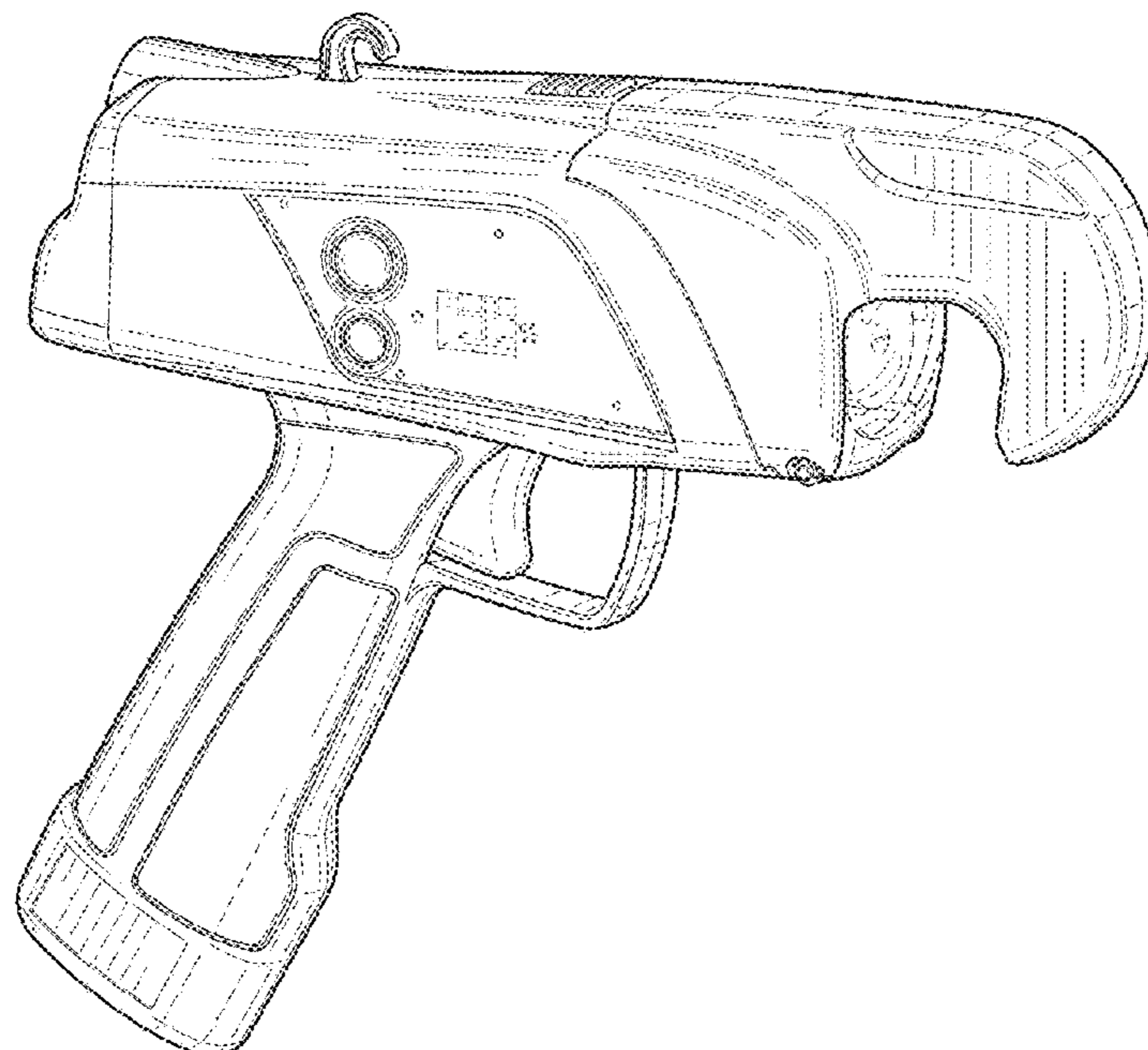
3,211,187 A * 10/1965 Paule E04G 21/123
140/119

5,613,530 A * 3/1997 Kincel B21F 15/04
140/119

5,682,927 A * 11/1997 Takahashi B65B 27/10
140/119

5,842,506 A * 12/1998 Peters E04G 21/123
140/119

7,299,829 B2 * 11/2007 Kim E04G 21/122
140/119



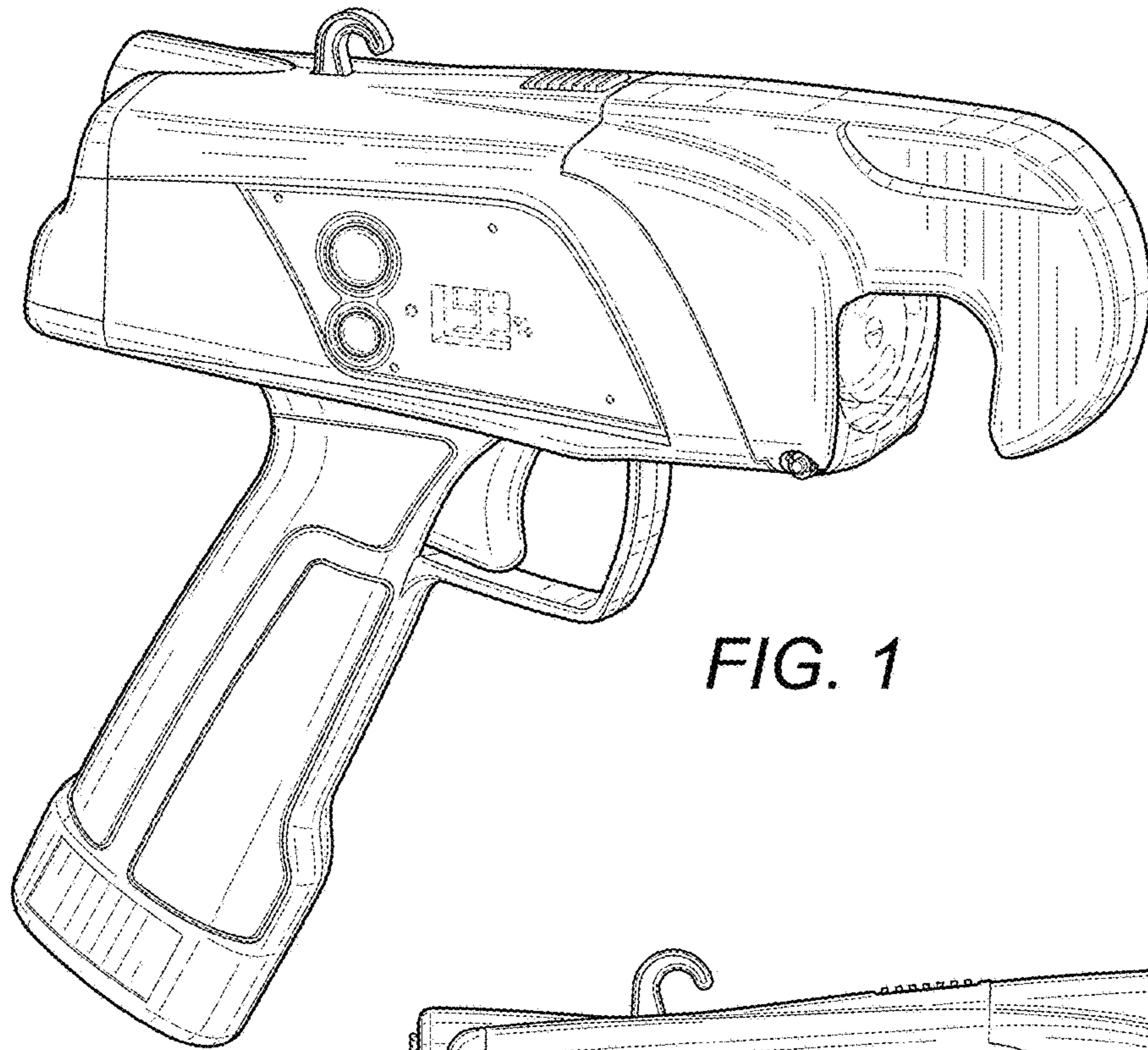


FIG. 1

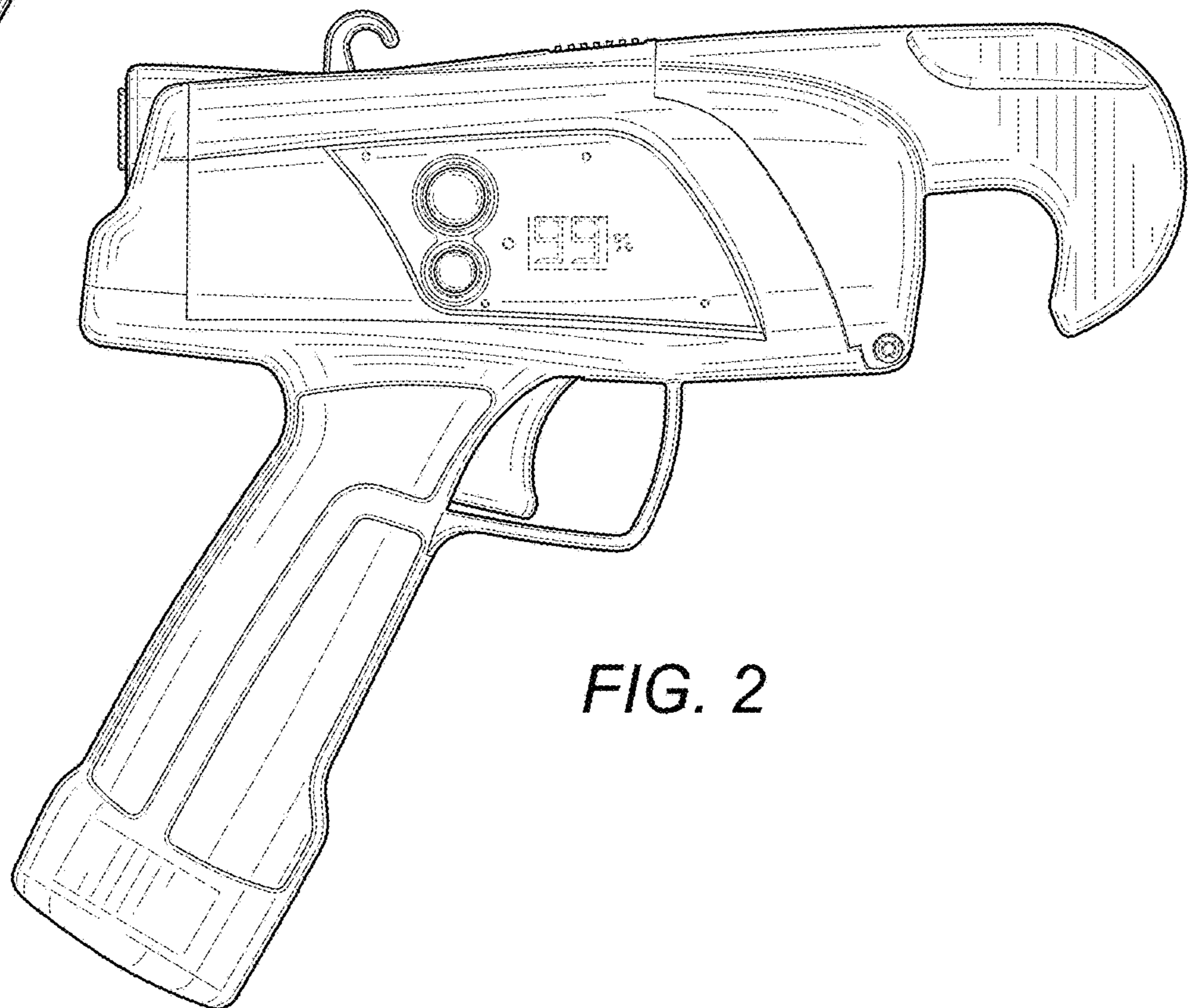


FIG. 2

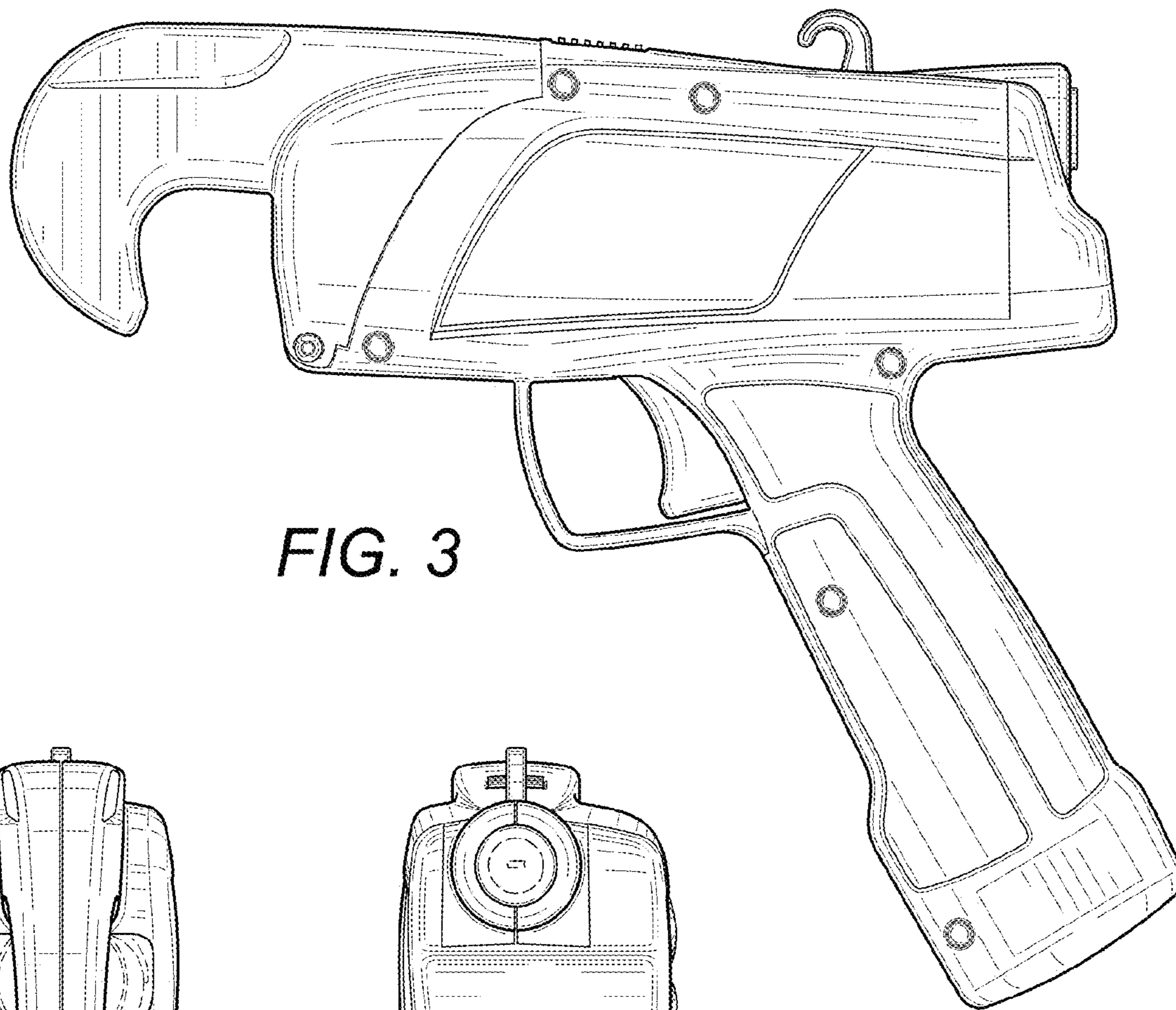


FIG. 3

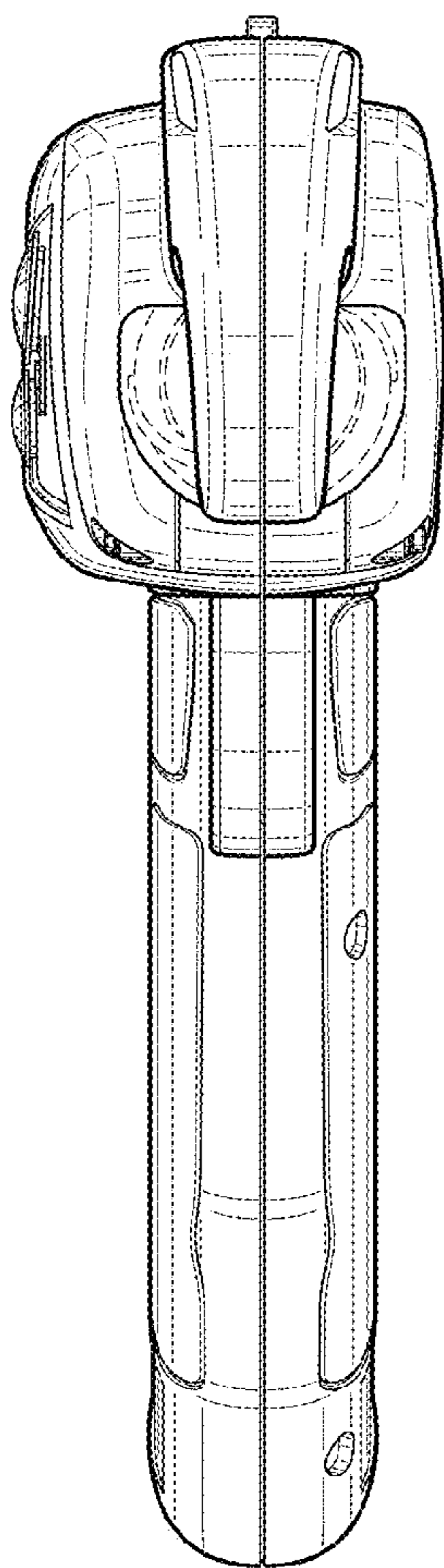


FIG. 4

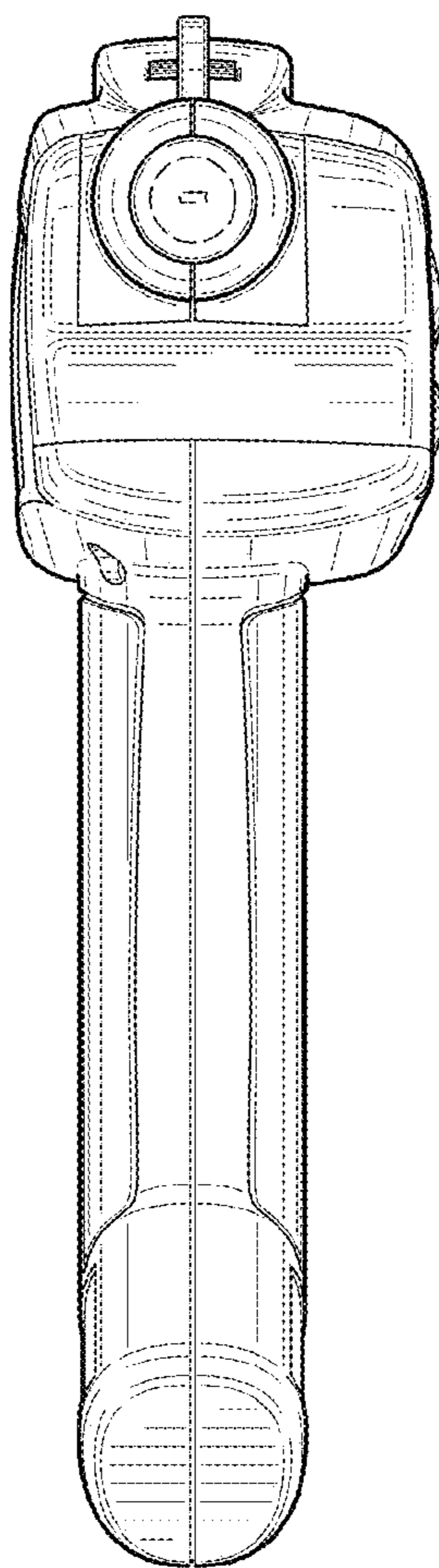


FIG. 5

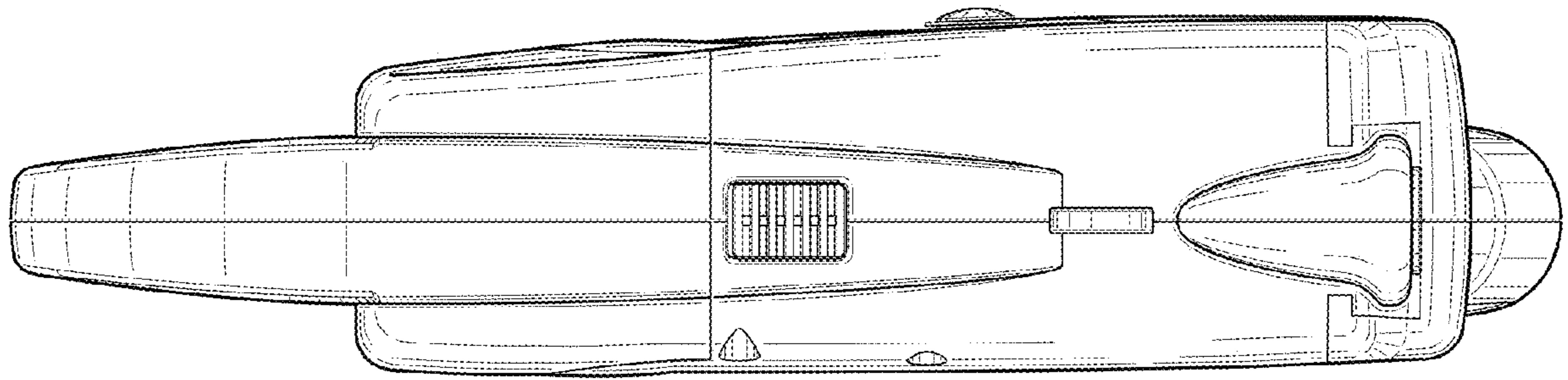


FIG. 6

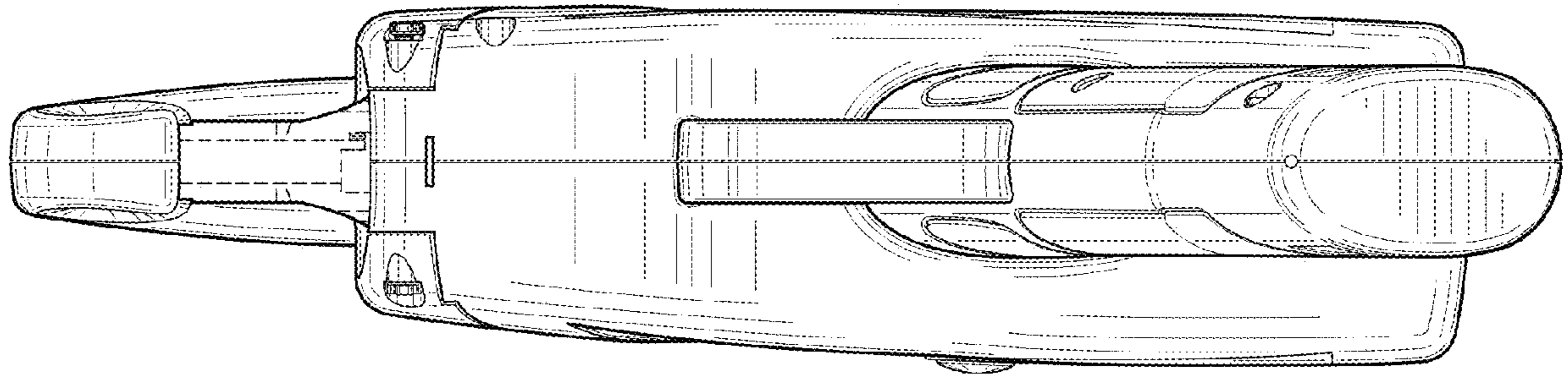


FIG. 7