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

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(45) **Date of Patent:** **\*\* Dec. 17, 2019**

(54) **MULTIFUNCTIONAL HAND-HELD  
INFRARED THERMAL IMAGER**

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D658,222 S \* 4/2012 Elrod ..... D16/206  
D665,440 S \* 8/2012 Sigward ..... D16/206  
D733,783 S \* 7/2015 Wu ..... D16/206

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\* cited by examiner

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

(21) Appl. No.: **29/582,549**

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(30) **Foreign Application Priority Data**

Apr. 28, 2016 (CN) ..... 2016 3 0160837

(51) **LOC (12) Cl.** ..... **16-01**

(52) **U.S. Cl.**  
USPC ..... **D16/206**

(58) **Field of Classification Search**  
USPC ..... D16/200, 202–206, 208, 218, 219, 242;  
348/164, 347, 373–376; 396/535,  
396/539–541; 250/330, 332  
CPC ..... G03B 15/03; G03B 17/02; G03B 17/04;  
G03B 17/56; G03B 19/04; H04N 5/2251;  
H04N 5/2252; H04N 5/2253; H04N  
5/2254; H04N 2101/00; H04N 5/33;  
H04N 5/332

See application file for complete search history.

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**U.S. PATENT DOCUMENTS**

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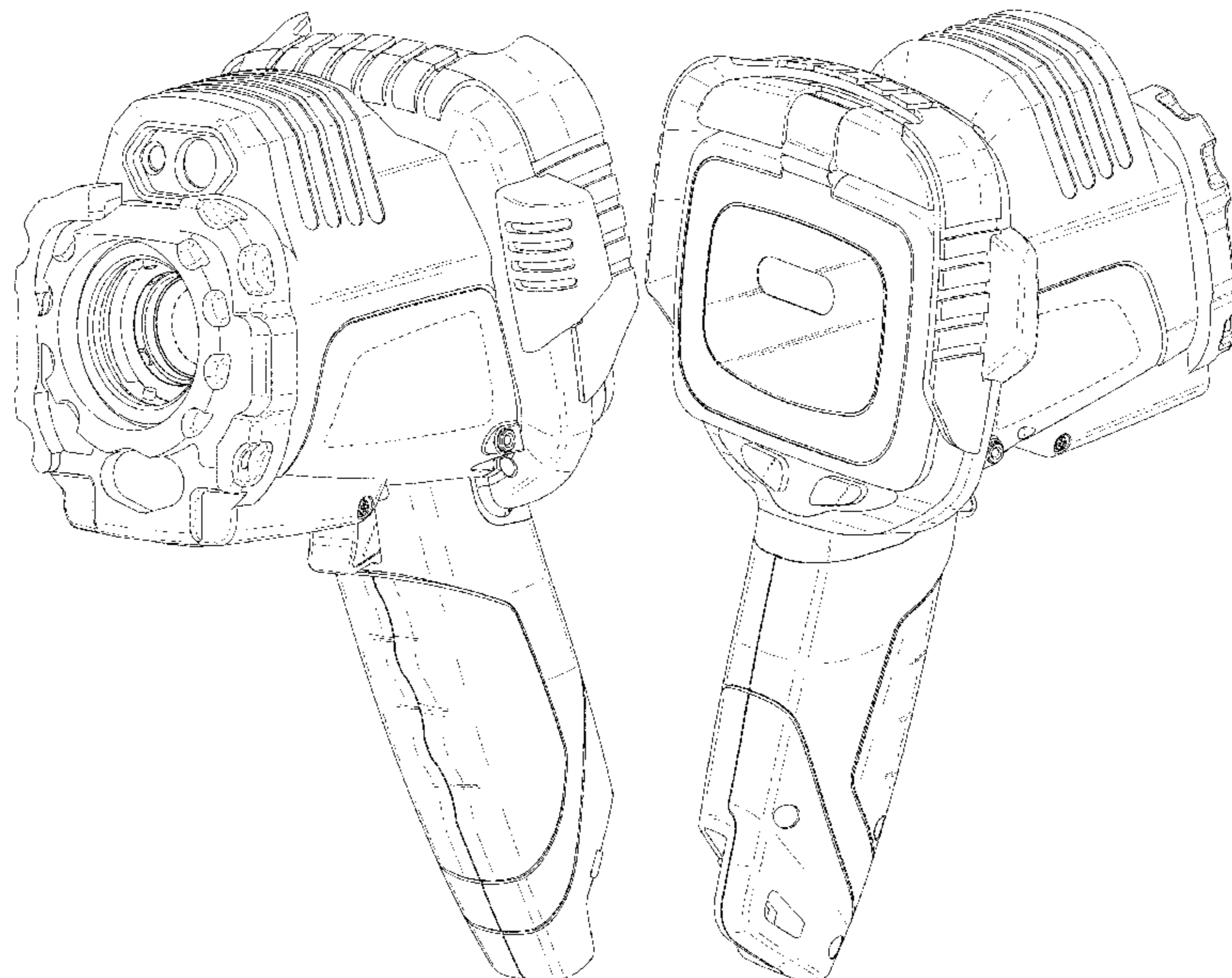
(57) **CLAIM**

The ornamental design for a multifunctional hand-held infrared thermal imager, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, and right-side perspective view of a multifunctional hand-held infrared thermal imager showing our new design;  
FIG. 2 is a top, rear and left side perspective view thereof;  
FIG. 3 is a top, front and left side perspective view thereof, shown with the screen raised;  
FIG. 4 is a top, rear and right side perspective view thereof;  
FIG. 5 is a top, rear and left side perspective view thereof, shown with the screen lowered and rotated to another side;  
FIG. 6 is a top, rear and right side perspective view thereof;  
FIG. 7 is a front view thereof;  
FIG. 8 is a rear view thereof;  
FIG. 9 is a left side view thereof;  
FIG. 10 is a right side view thereof;  
FIG. 11 is a top view thereof; and,  
FIG. 12 is a bottom view thereof.  
The broken lines depict portions of a multifunctional hand-held infrared thermal imager in which the design is embodied and form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



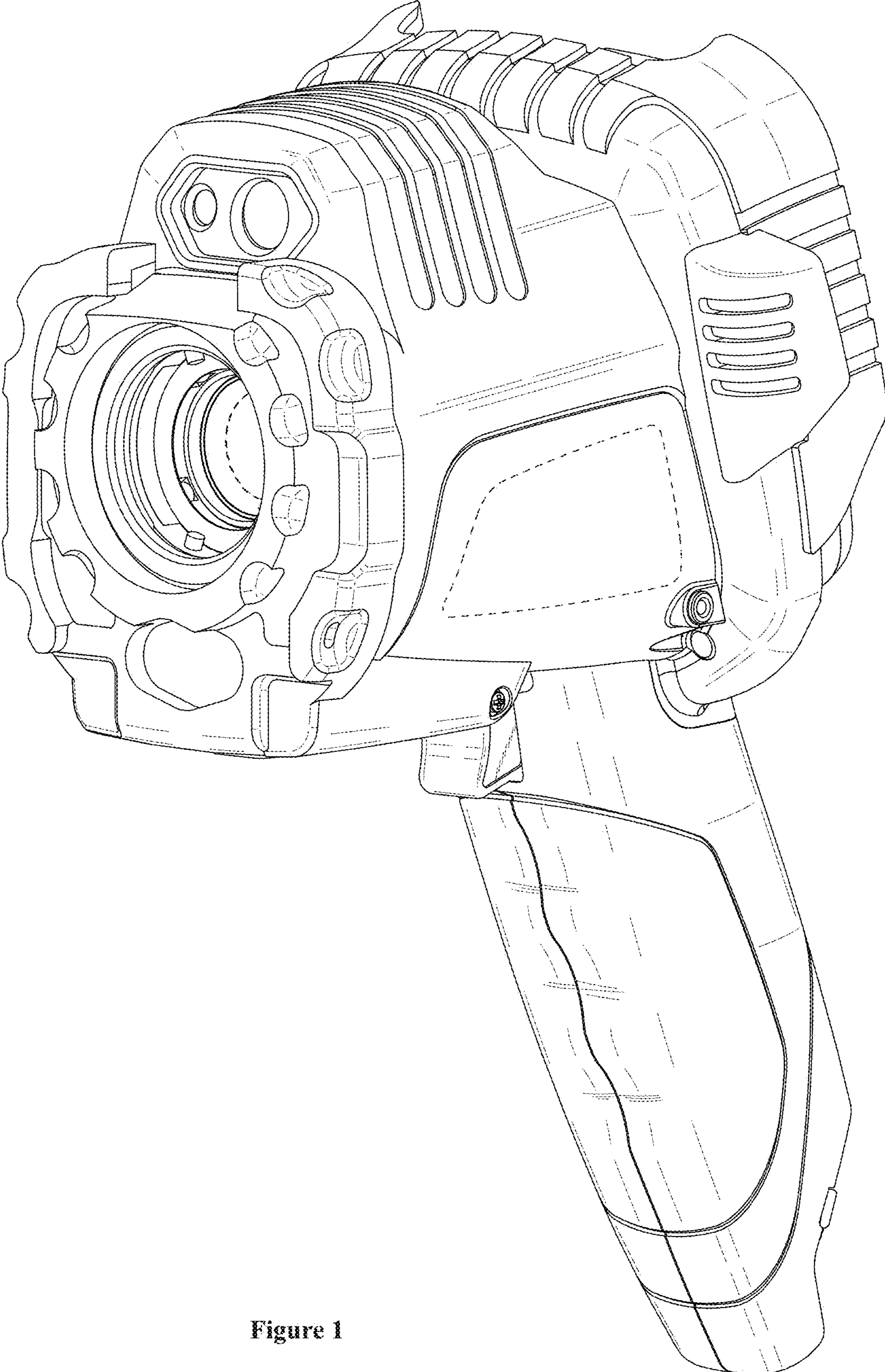


Figure 1

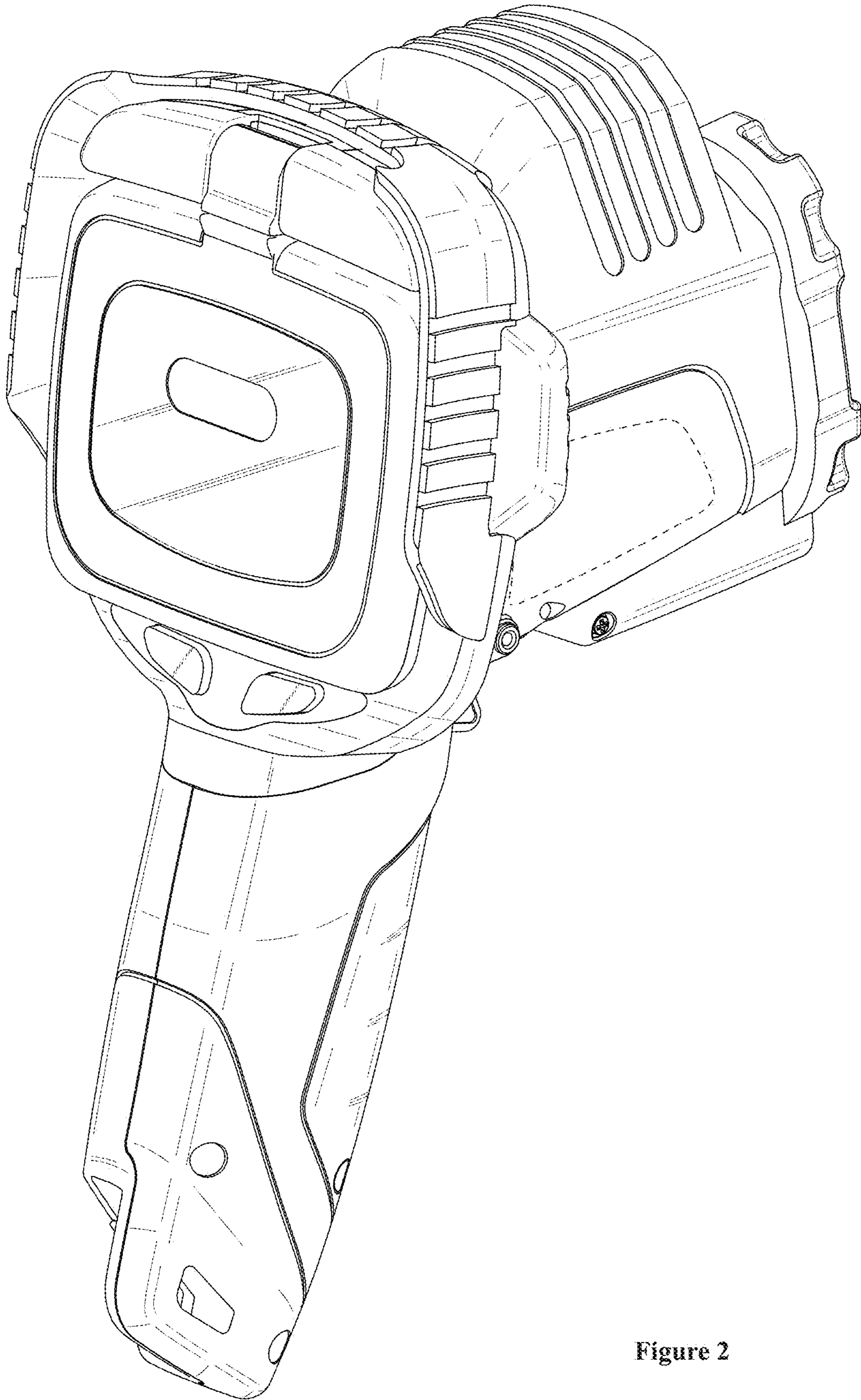


Figure 2

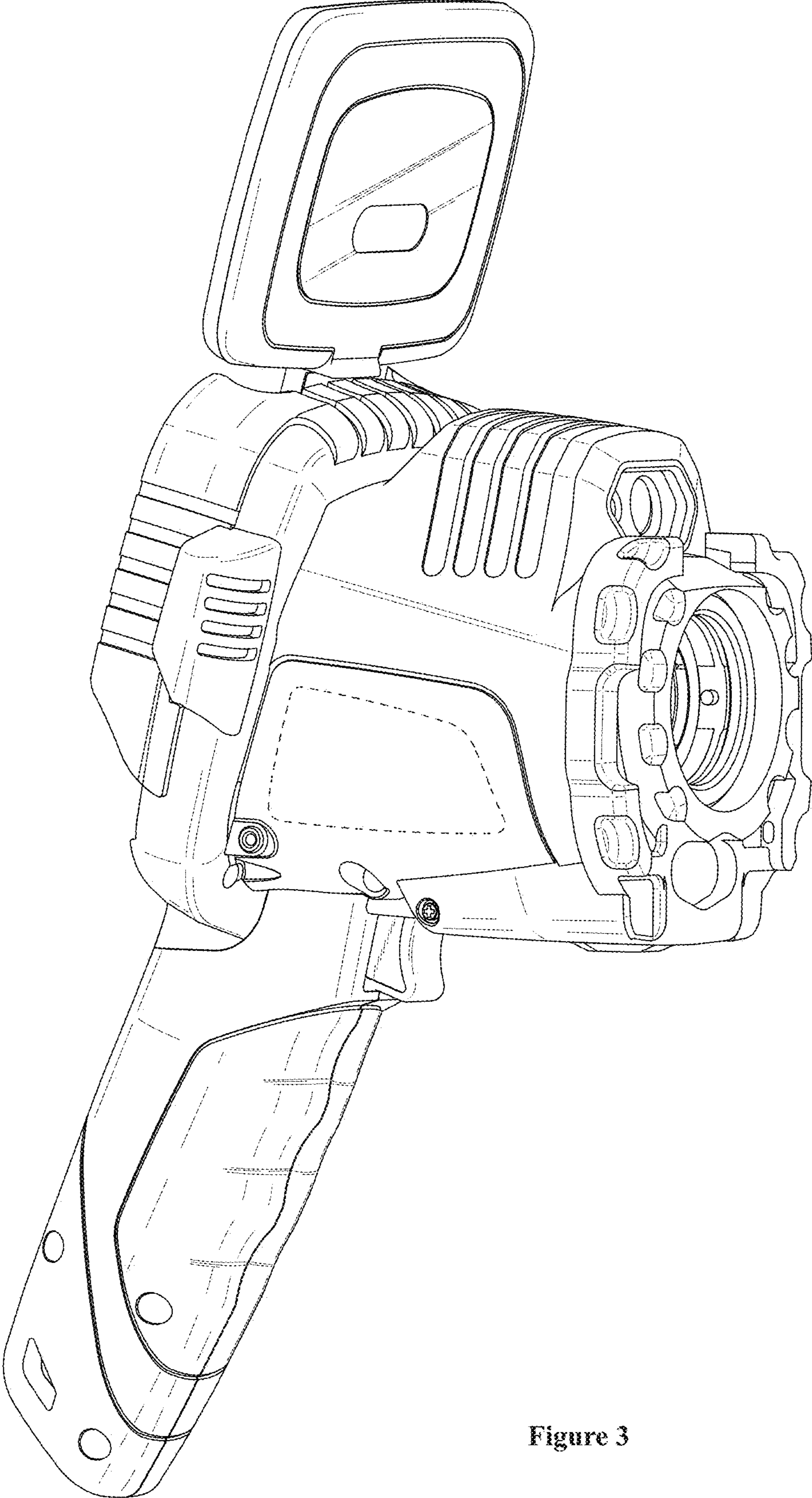


Figure 3

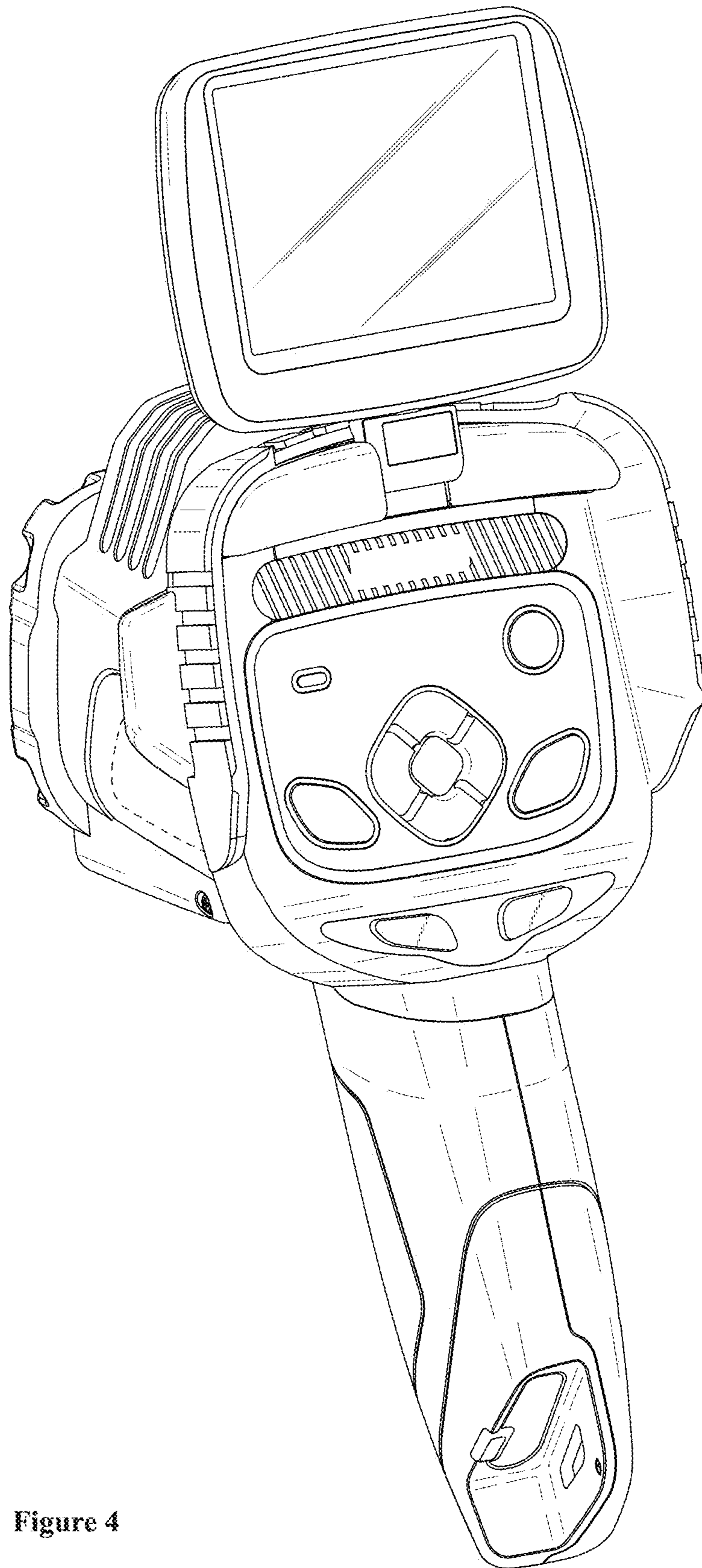


Figure 4

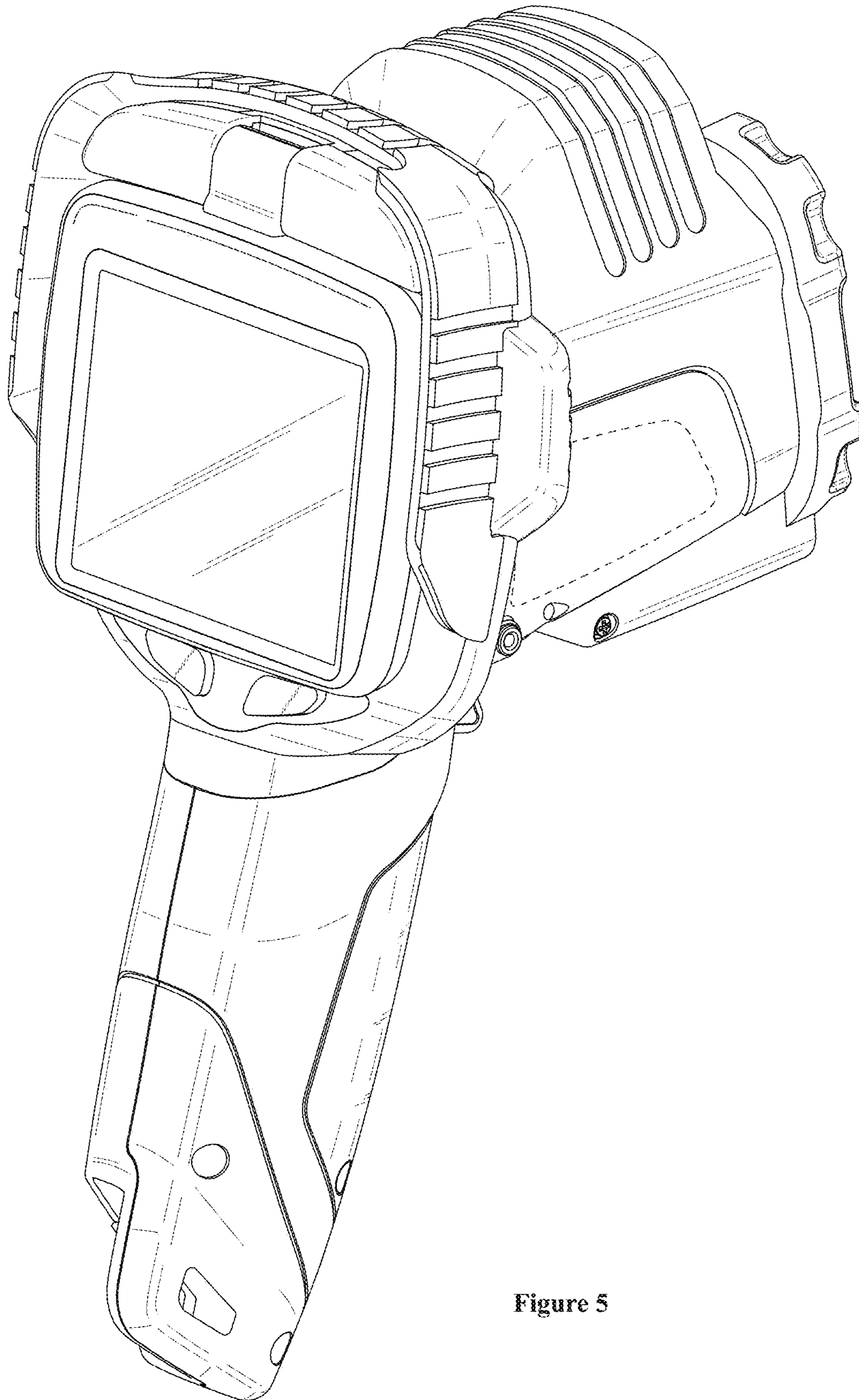


Figure 5

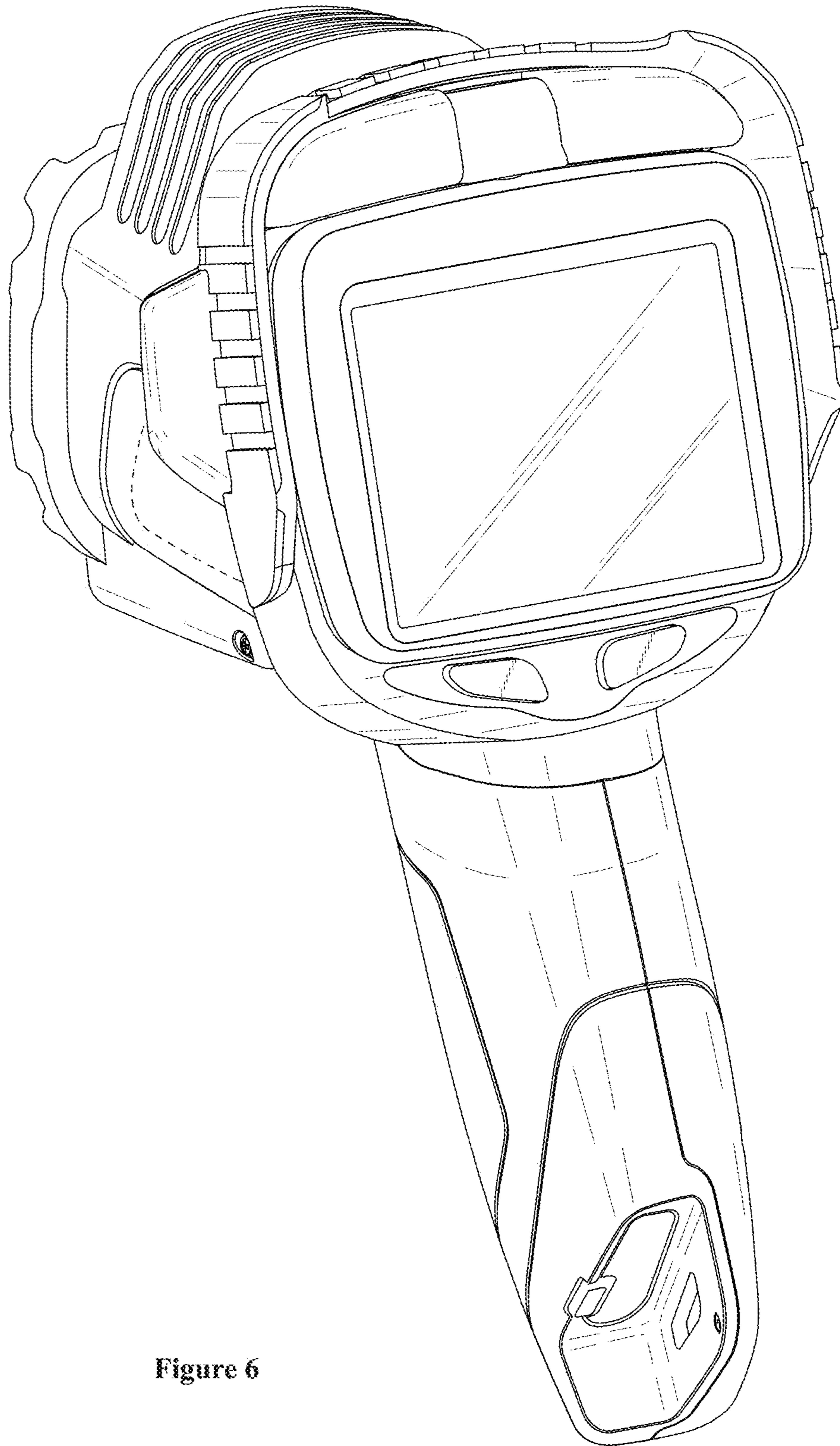


Figure 6

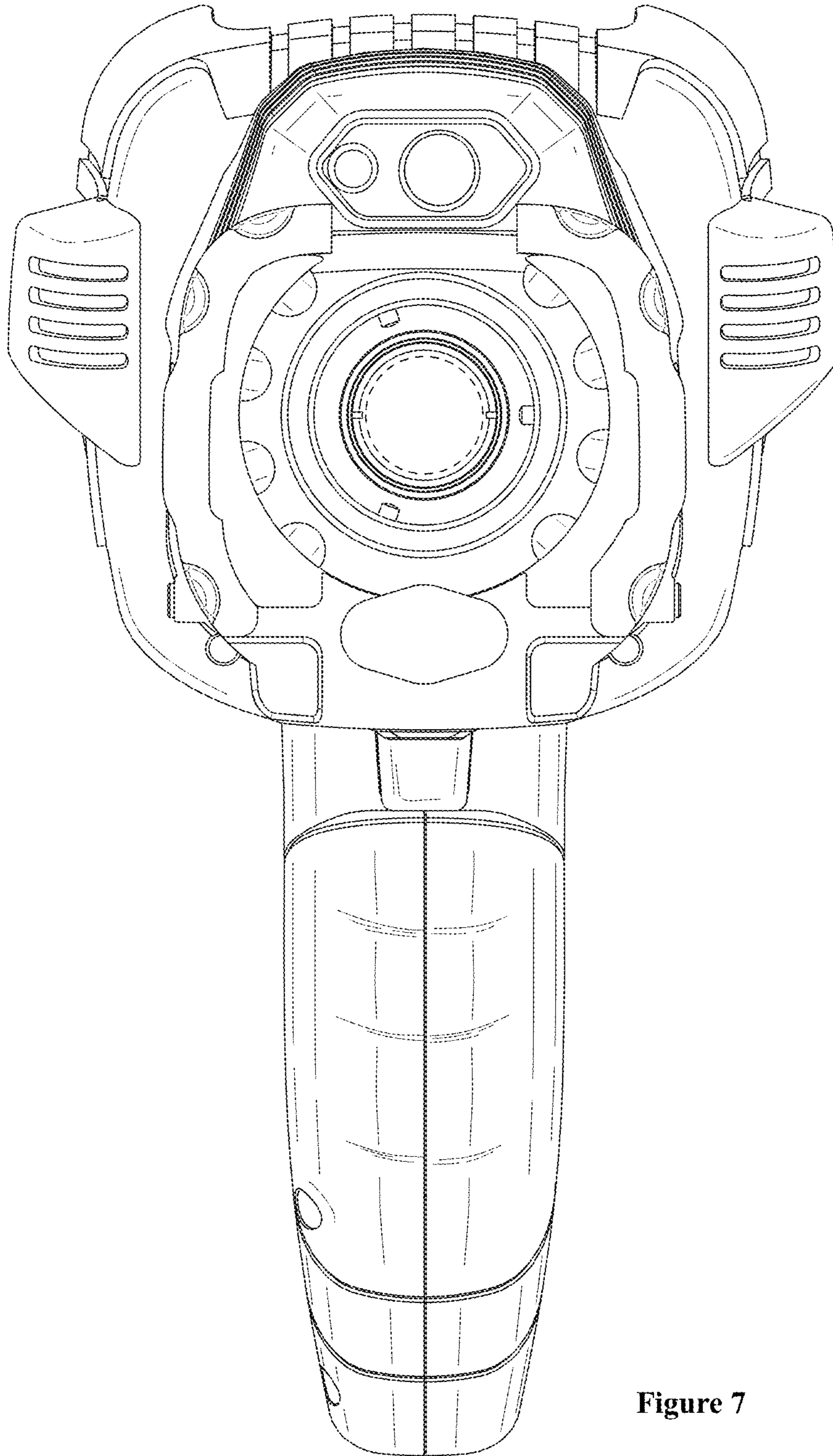


Figure 7



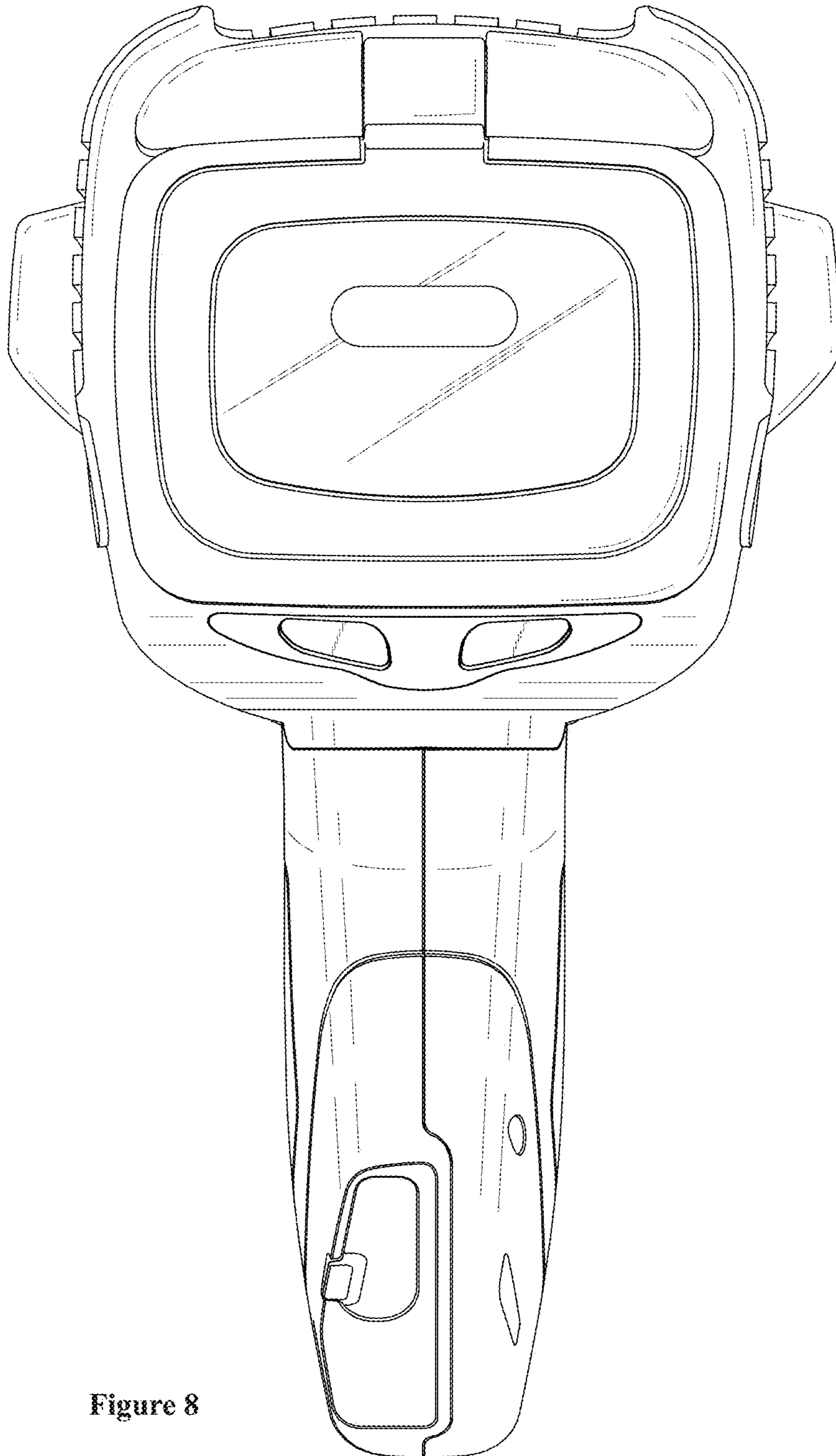


Figure 8

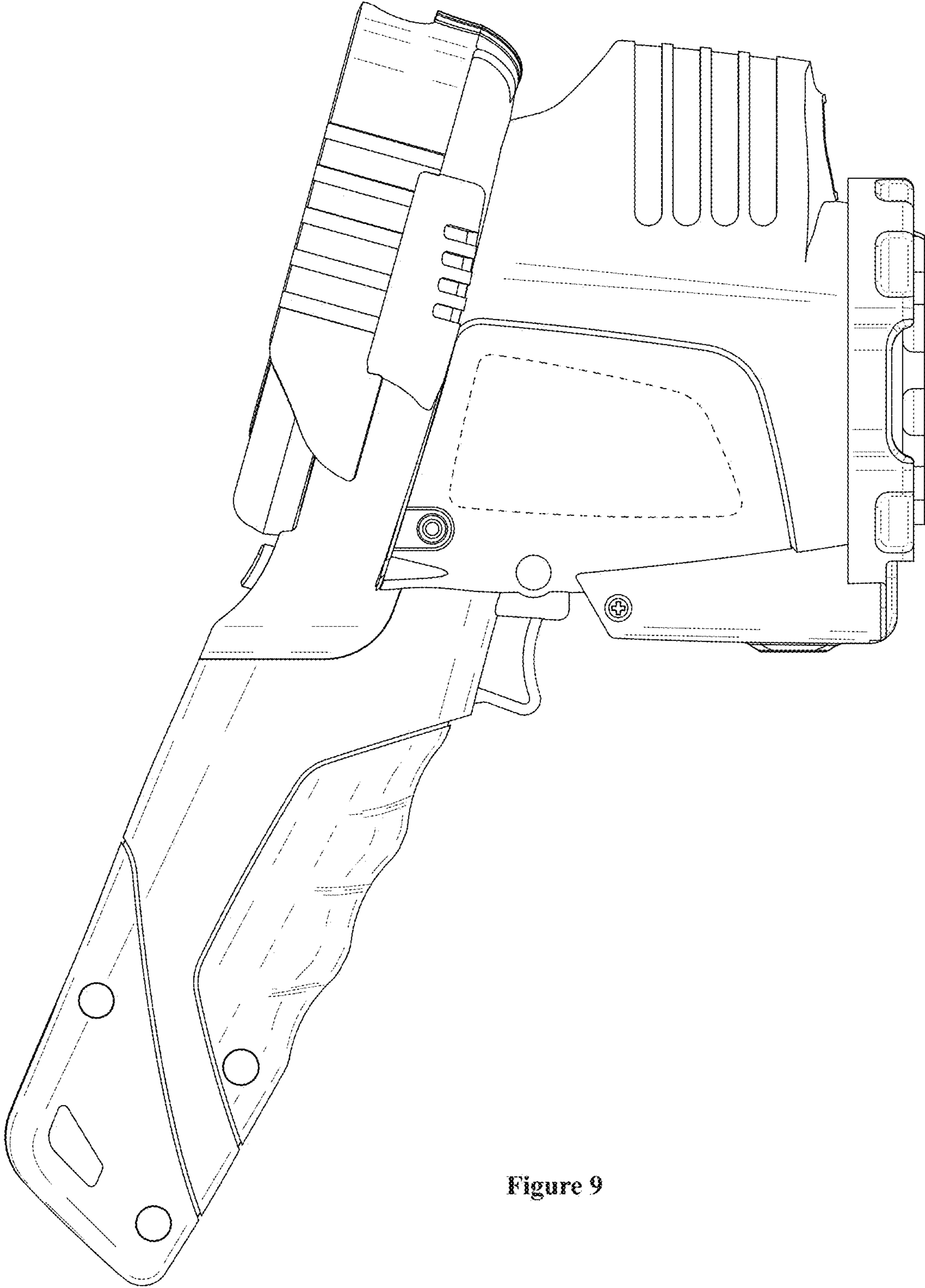


Figure 9

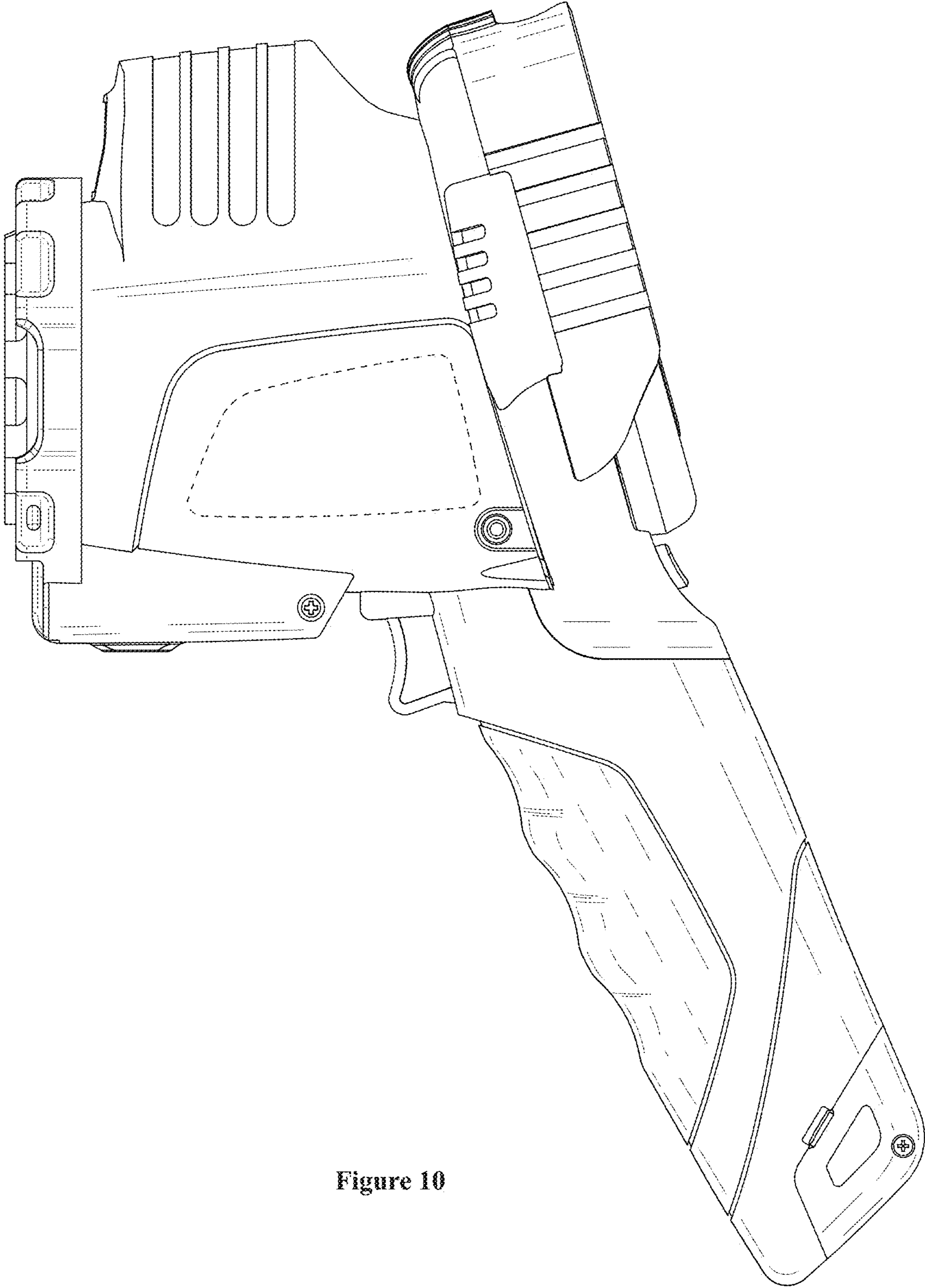


Figure 10

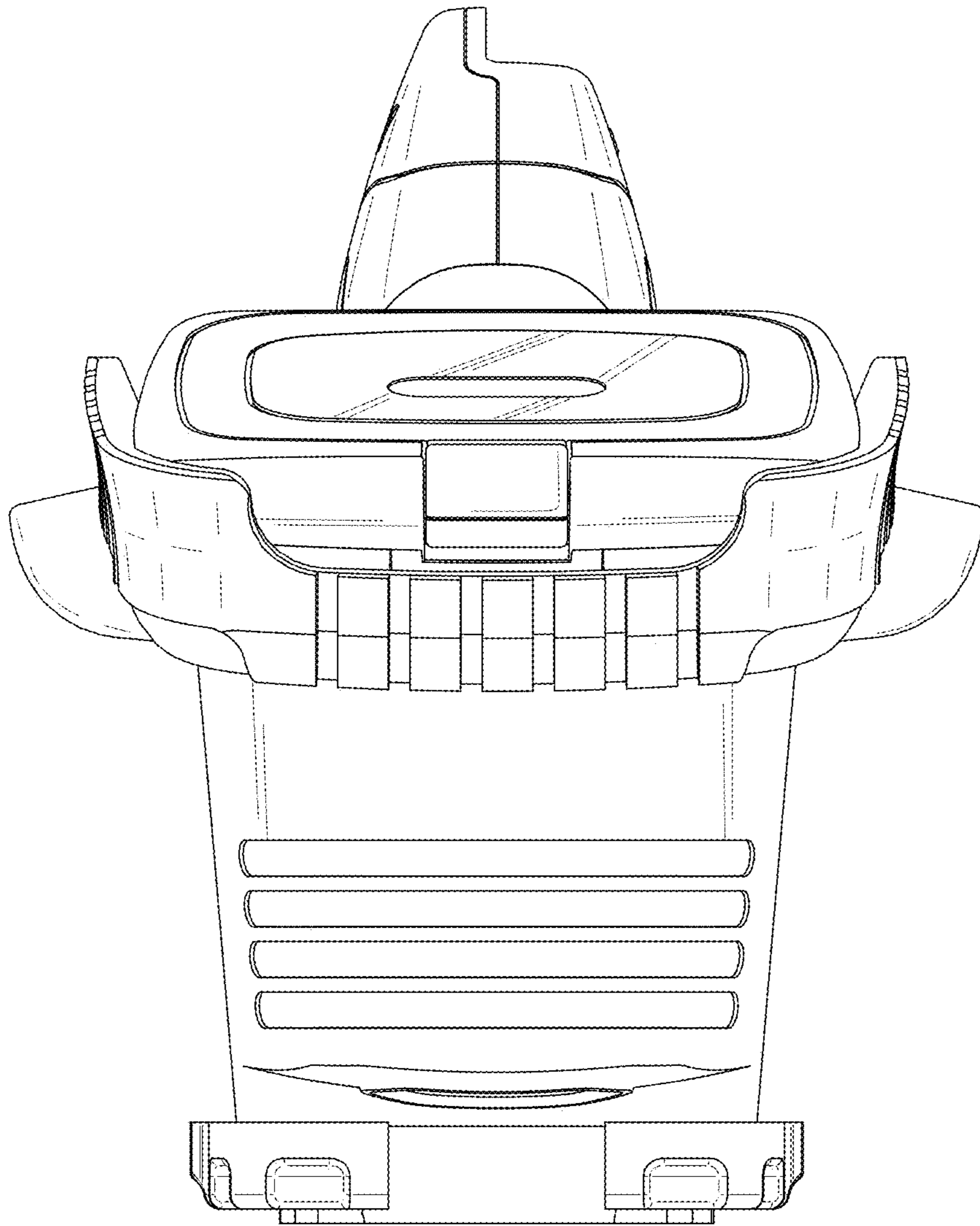


Figure 11

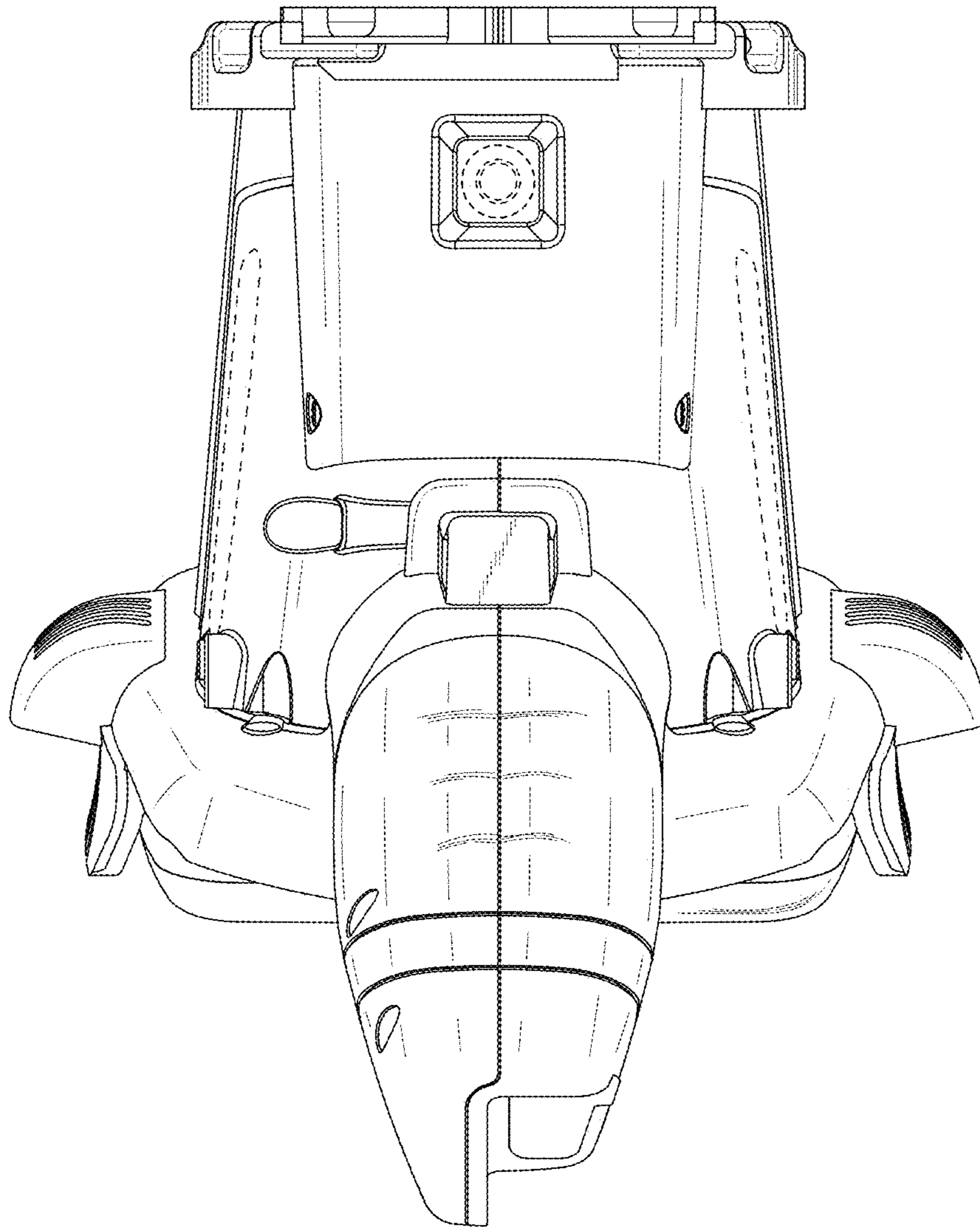


Figure 12