



US00D954571S

(12) **United States Design Patent** (10) **Patent No.:** **US D954,571 S**  
**Ahn et al.** (45) **Date of Patent:** **\*\* Jun. 14, 2022**

(54) **FRONT SENSOR HOUSING**

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- (72) Inventors: **YooJung Ahn**, Mountain View, CA (US); **Jared S. Gross**, Belmont, CA (US); **Thomas Southworth**, Royal Oak, MI (US); **Chun Chen**, Cupertino, CA (US); **Ricky Wong**, Mountain View, CA (US)
- (73) Assignee: **Waymo LLC**, Mountain View, CA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/724,585**
- (22) Filed: **Feb. 18, 2020**

**Related U.S. Application Data**

- (63) Continuation-in-part of application No. 29/688,903, filed on Apr. 25, 2019, now Pat. No. Des. 927,998.
- (51) **LOC (13) Cl.** ..... **10-04**
- (52) **U.S. Cl.**  
USPC ..... **D10/70; D10/190; D10/197**
- (58) **Field of Classification Search**  
USPC ..... **D10/70; D12/190, 197**  
(Continued)

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(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a front sensor housing, as shown and described.

**DESCRIPTION**

The present application is related to U.S. Design patent application Ser. No. 29/688,905, filed Apr. 25, 2019, the entire disclosures of which are incorporated by reference herein. The present application is also related to U.S. Design patent application Ser. No. 29/724,589, entitled Rear Sensor Housing, filed concurrently herewith, the entire disclosure of which is incorporated by reference herein.

FIG. 1 is a front perspective view of a front sensor housing according to a first embodiment of our design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a right side elevation view thereof;  
FIG. 4 is a left side elevation view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a front perspective view of a front sensor housing according to a second embodiment of our design;  
FIG. 7 is a front elevation view thereof;  
FIG. 8 is a right side elevation view thereof;  
FIG. 9 is a left side elevation view thereof;  
FIG. 10 is a top plan view thereof;  
FIG. 11 is a front perspective view of a front sensor housing according to a third embodiment of our design;  
FIG. 12 is a front elevation view thereof;  
FIG. 13 is a right side elevation view thereof;  
FIG. 14 is a left side elevation view thereof;  
FIG. 15 is a top plan view thereof;  
FIG. 16 is a front perspective view of a front sensor housing according to a fourth embodiment of our design;  
FIG. 17 is a front elevation view thereof;  
FIG. 18 is a right side elevation view thereof;

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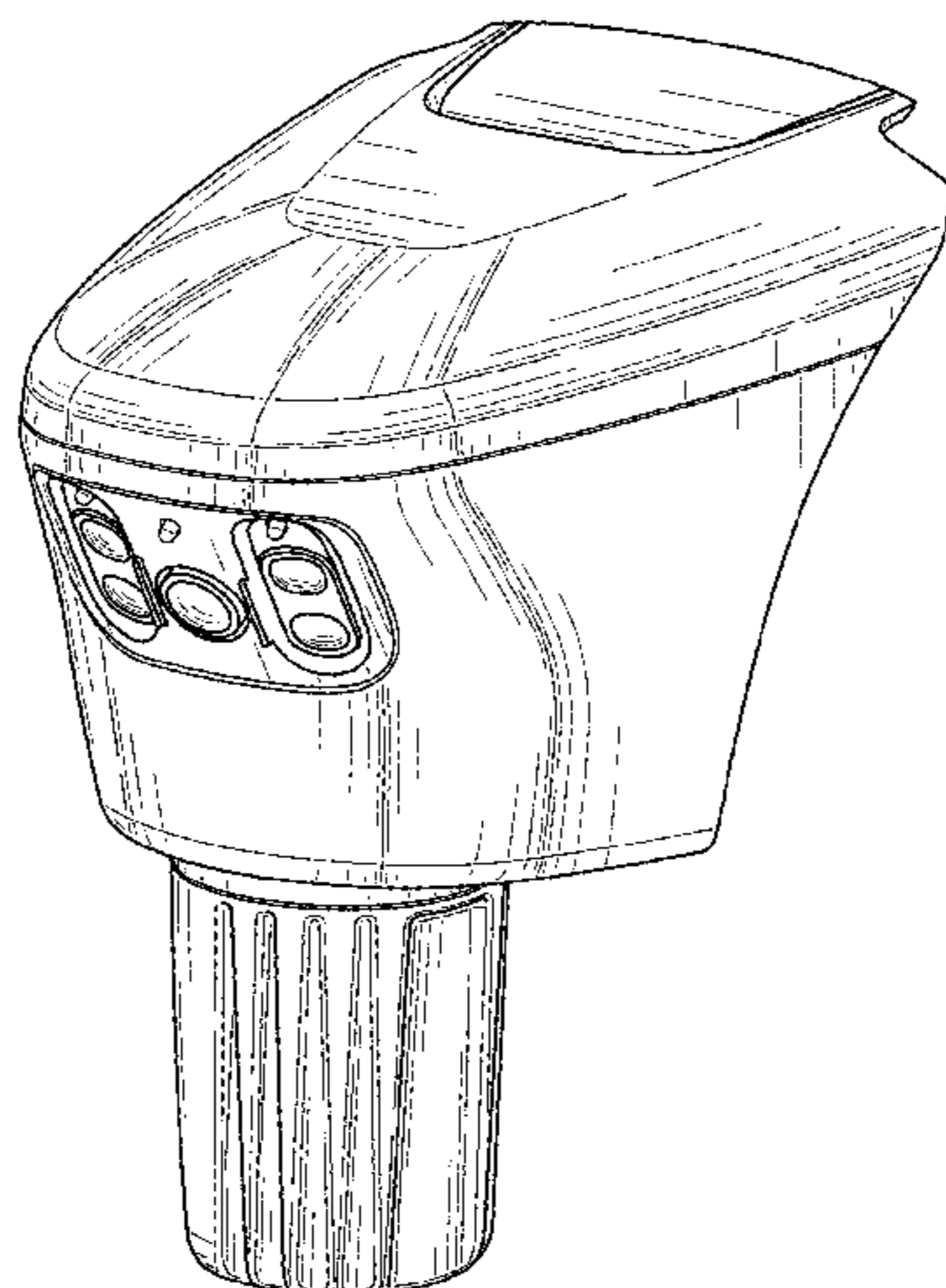


FIG. 19 is a left side elevation view thereof;  
 FIG. 20 is a top plan view thereof;  
 FIG. 21 is a front perspective view of a front sensor housing according to a fifth embodiment of our design;  
 FIG. 22 is a front elevation view thereof;  
 FIG. 23 is a right side elevation view thereof;  
 FIG. 24 is a left side elevation view thereof; and,  
 FIG. 25 is a top plan view thereof.  
 The broken lines in the figures illustrate portions of the front sensor housing that form no part of the claimed design.

**1 Claim, 20 Drawing Sheets**

(58) **Field of Classification Search**

CPC .. B60Q 1/0017; B60Q 1/0023; B60Q 1/0029;  
 B60Q 1/0035; B60Q 1/0041; B60Q 1/26;  
 B60Q 1/2603; B60Q 1/2607; B60Q  
 1/2611; B60Q 9/002; B60Q 9/003; B60Q  
 9/004; B60Q 9/006; B60Q 9/007; B60Q  
 9/008; B60R 1/10; B60R 1/12; B60R  
 2001/1284; G05D 1/0055; G05D 1/021;  
 G05D 1/0212; G05D 1/0016; G05D  
 1/0088; G05D 1/02; G05D 2201/0212;  
 B60K 37/06; B60K 35/00; B60K 28/02;  
 B60K 2370/128; B60K 2370/682; B60K  
 2370/175; B60K 2370/12; B60K  
 2370/122; B60K 2370/143; B60W  
 50/082; B60W 30/06; B60W 2540/215;  
 B62D 15/0285; B60Y 2302/05; G08B  
 25/016

See application file for complete search history.

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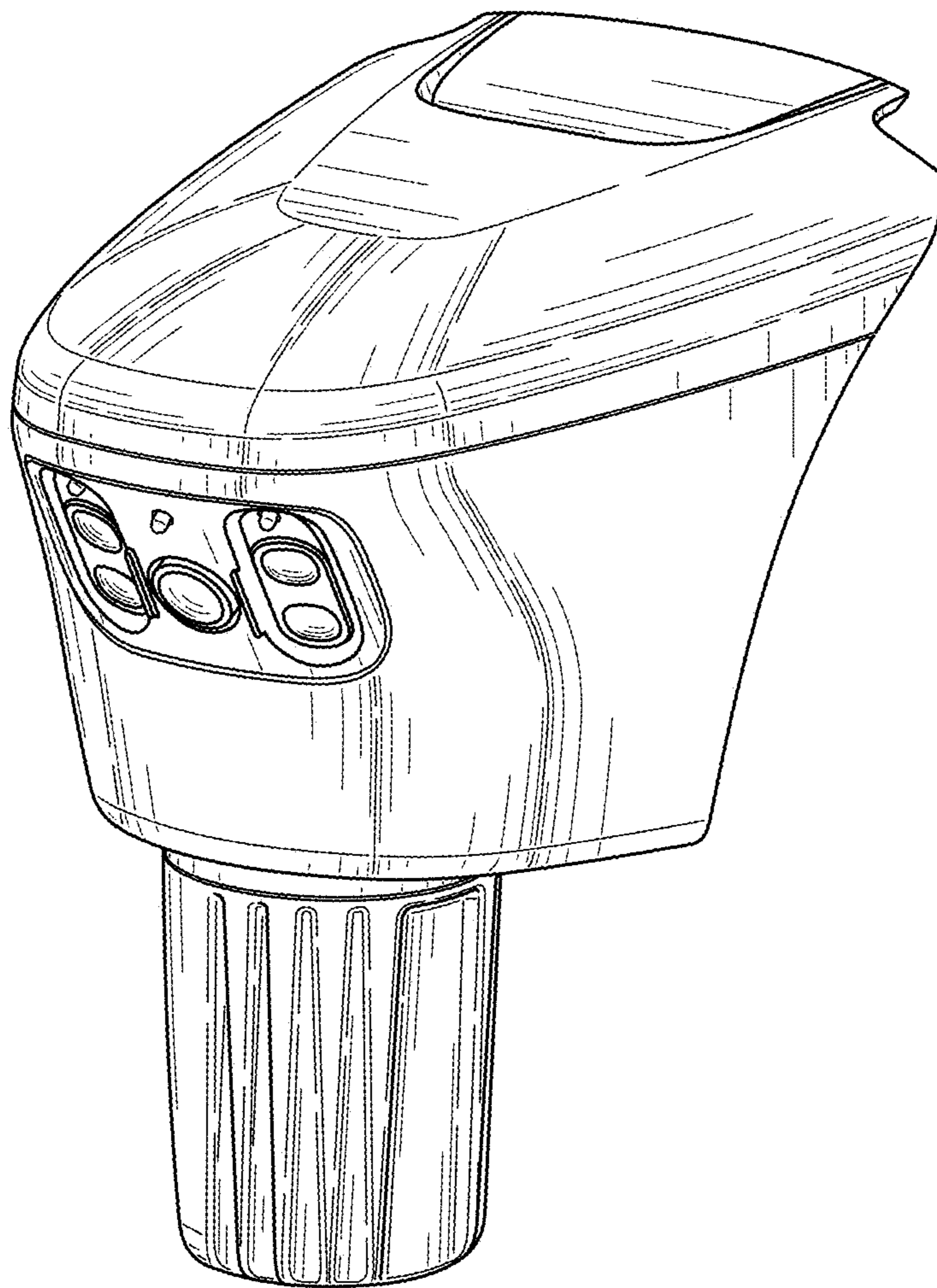


FIG. 1

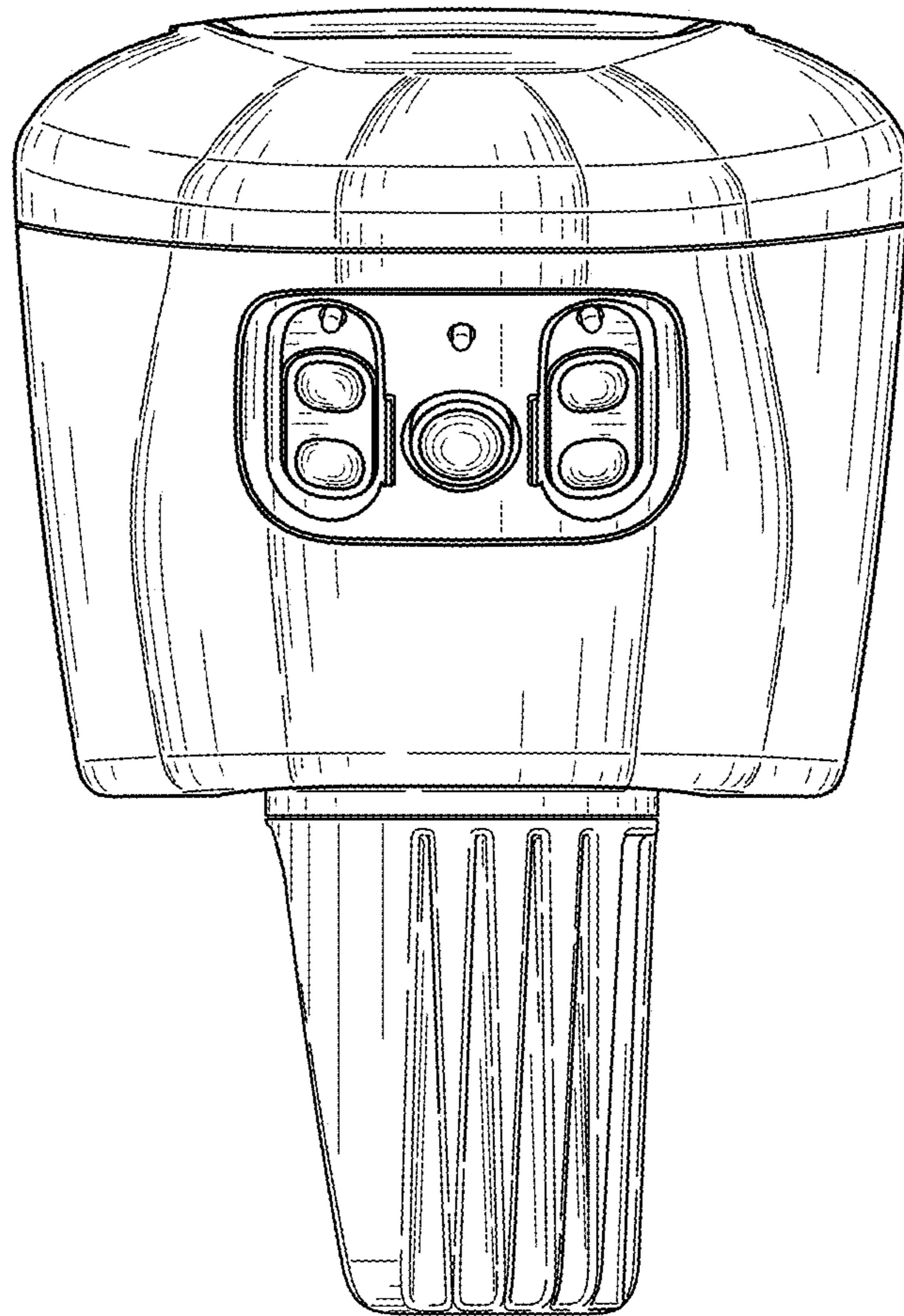


FIG. 2

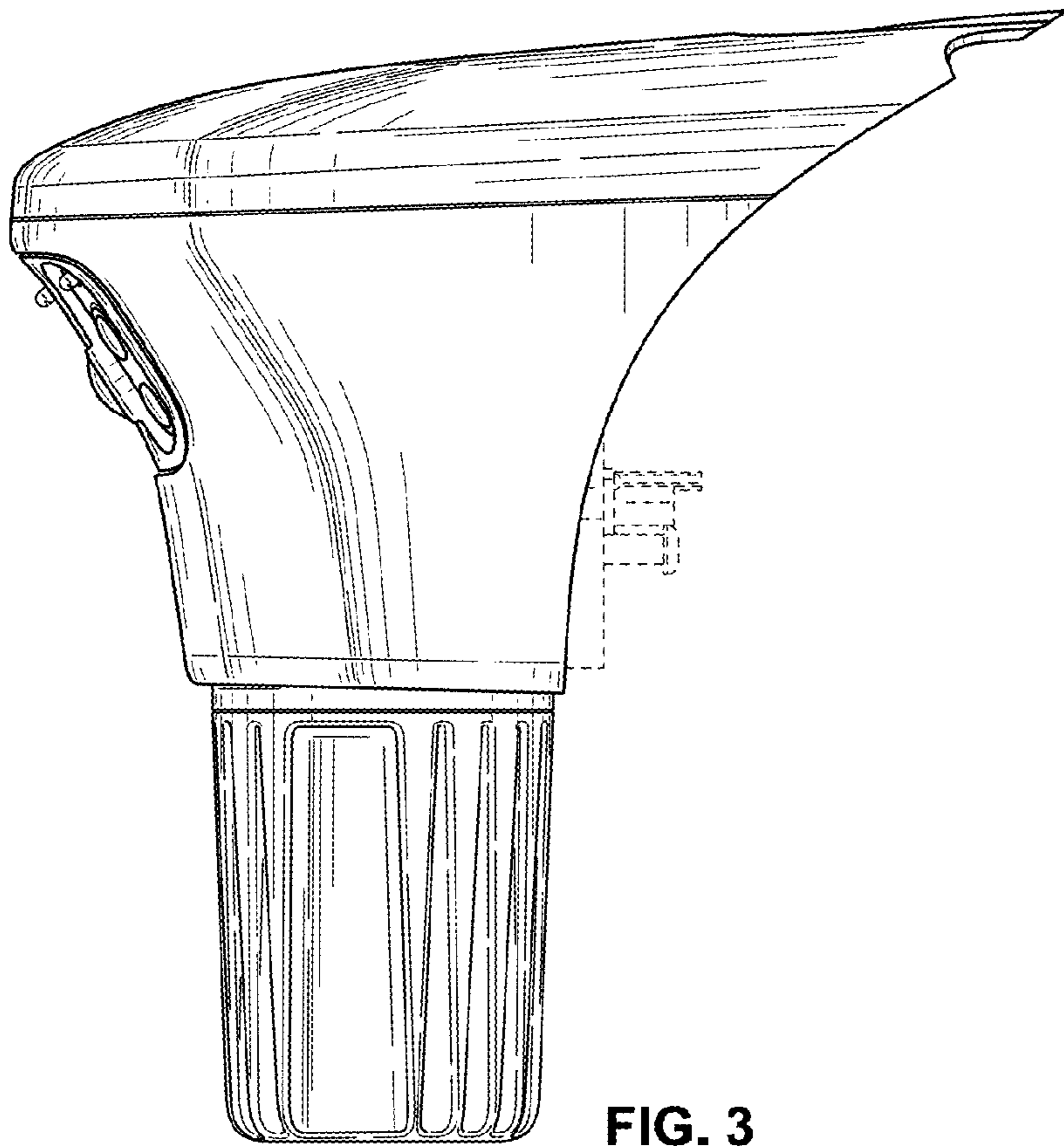


FIG. 3

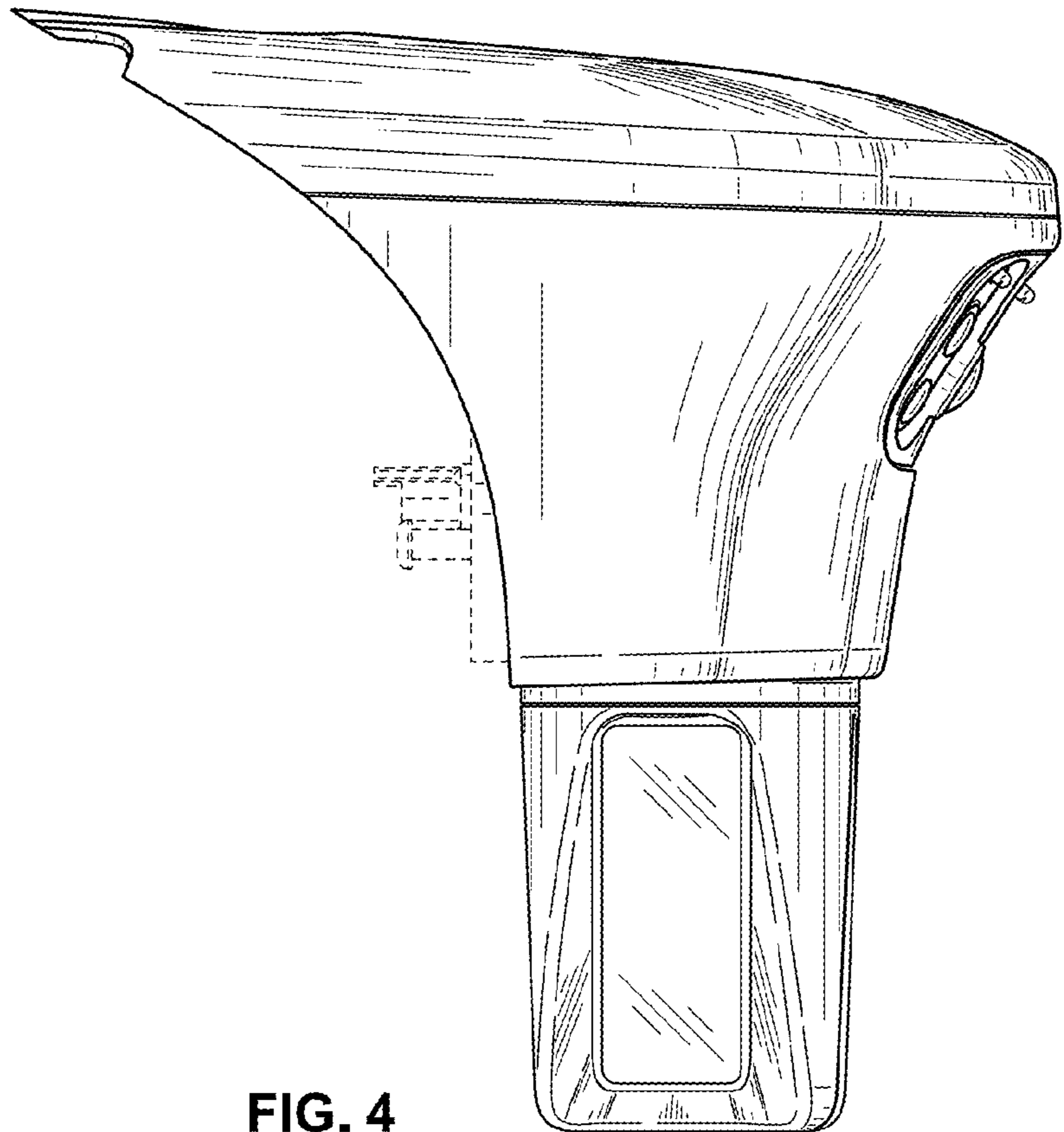


FIG. 4

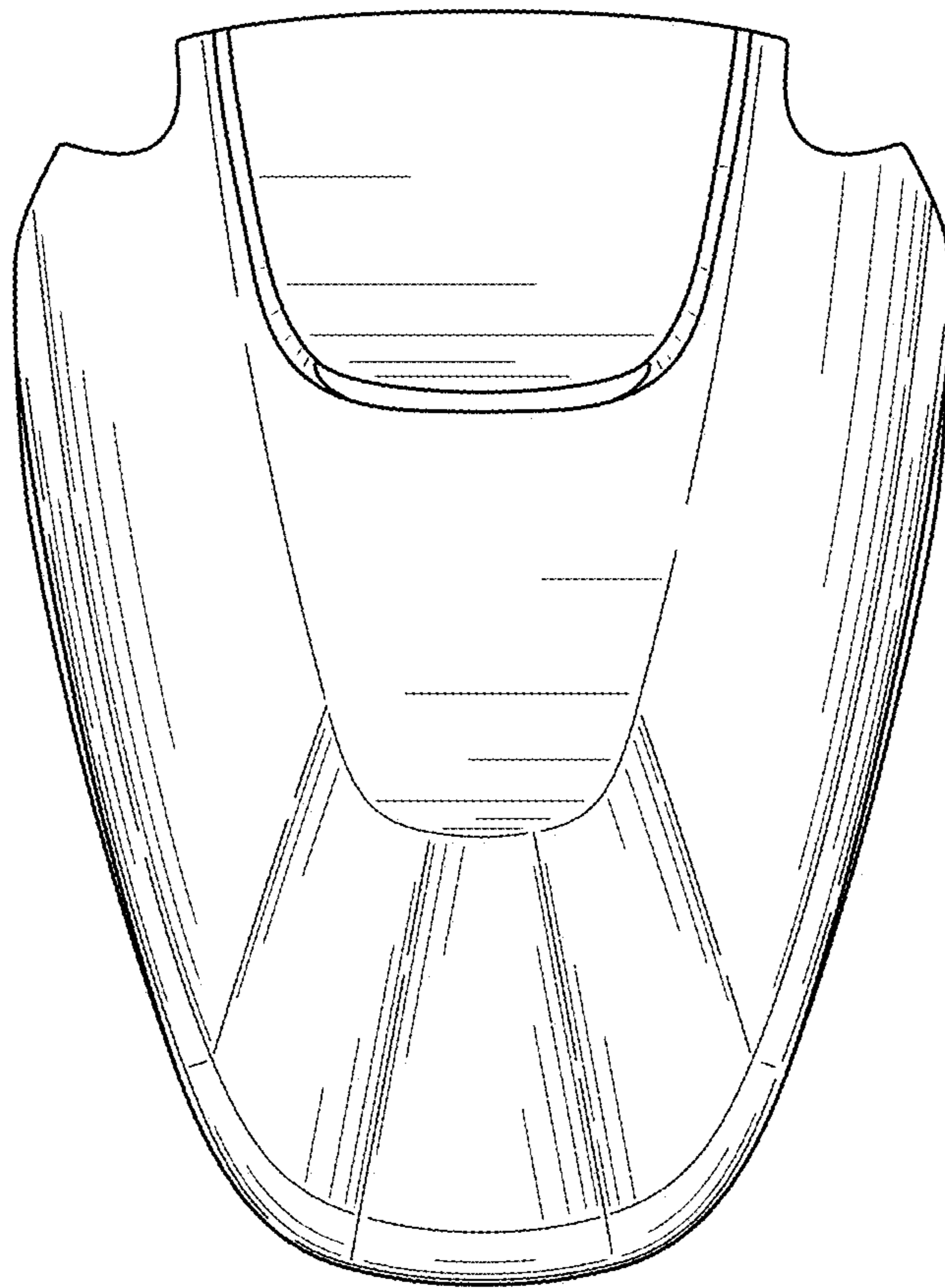


FIG. 5

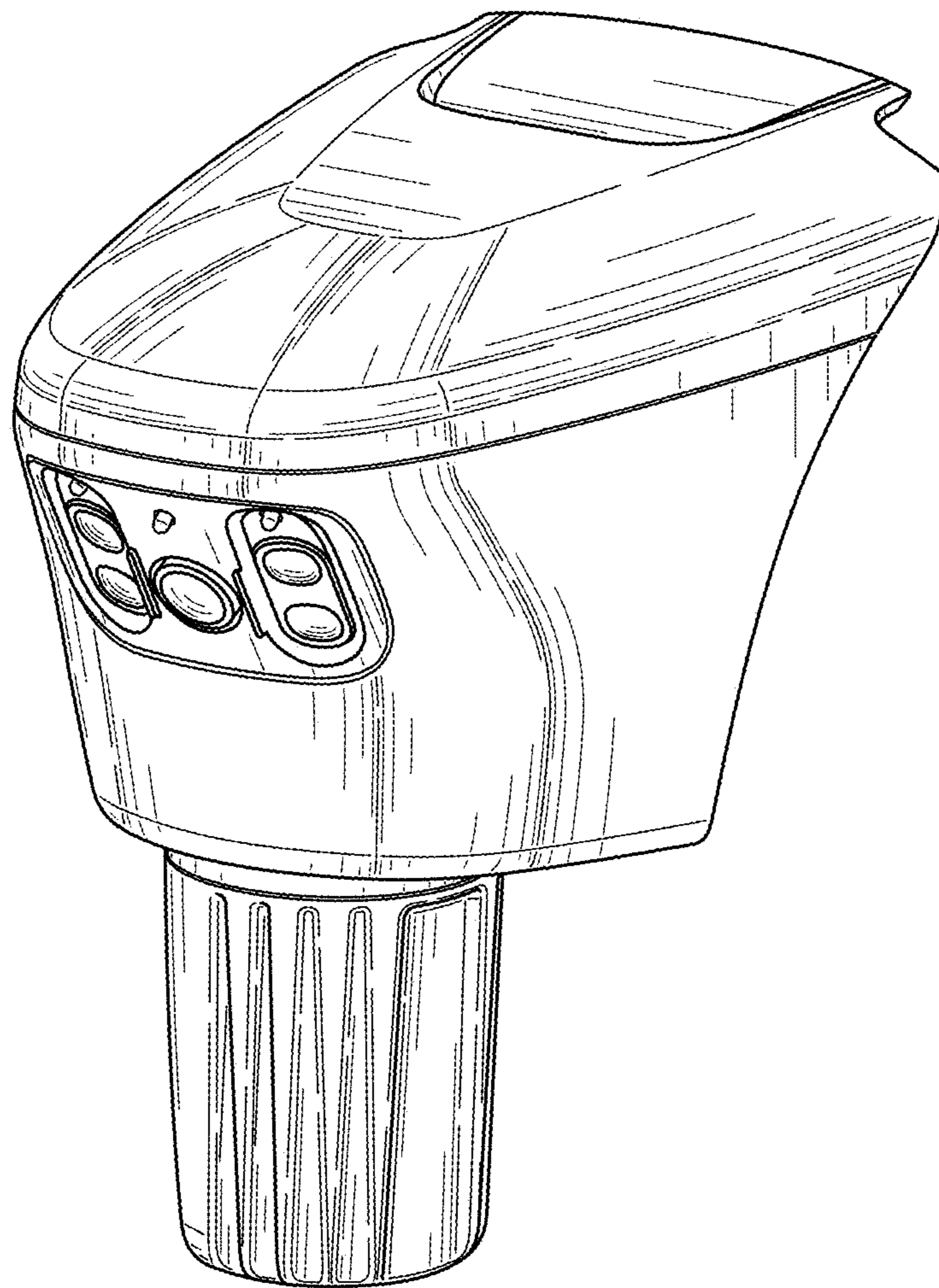


FIG. 6

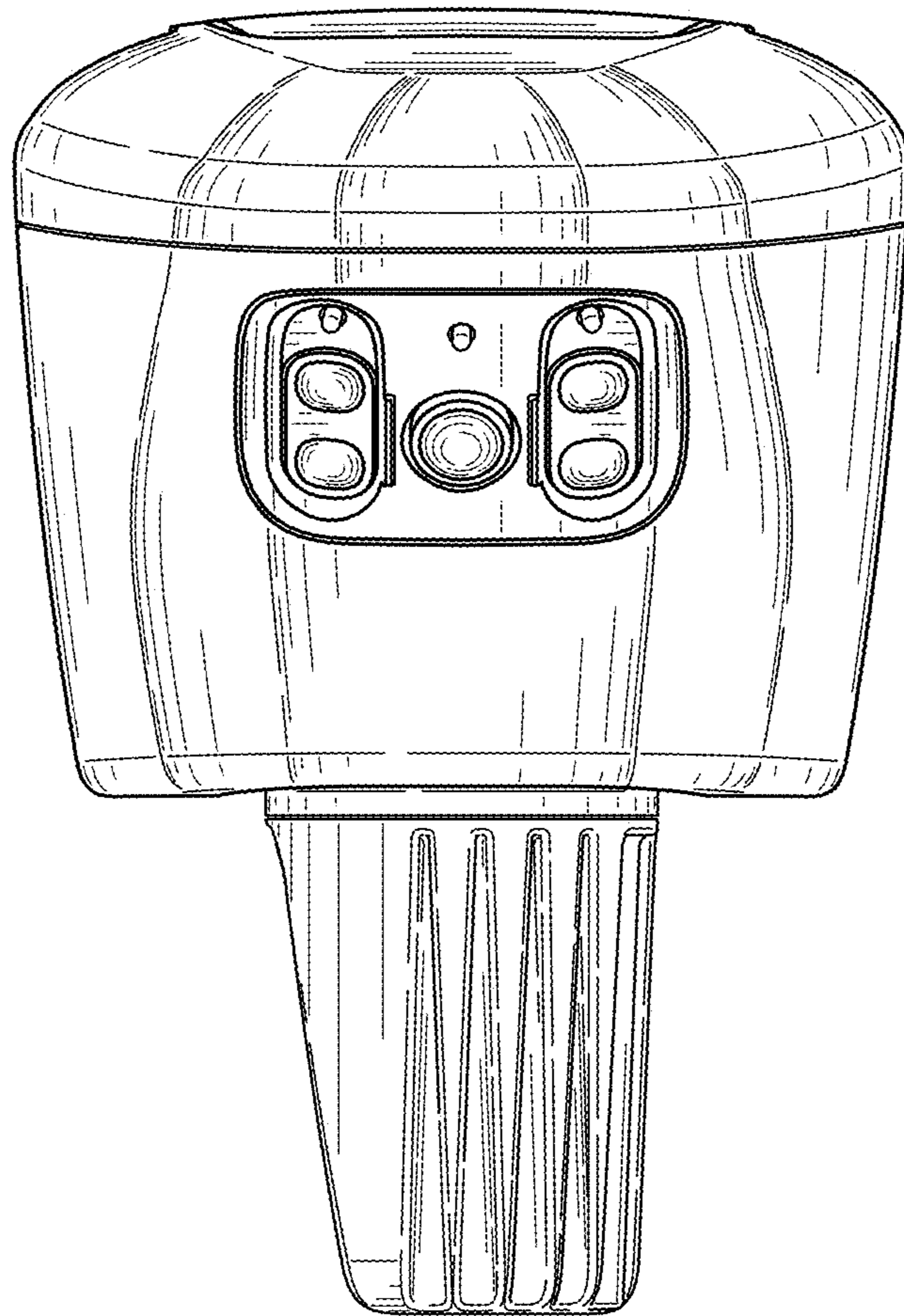
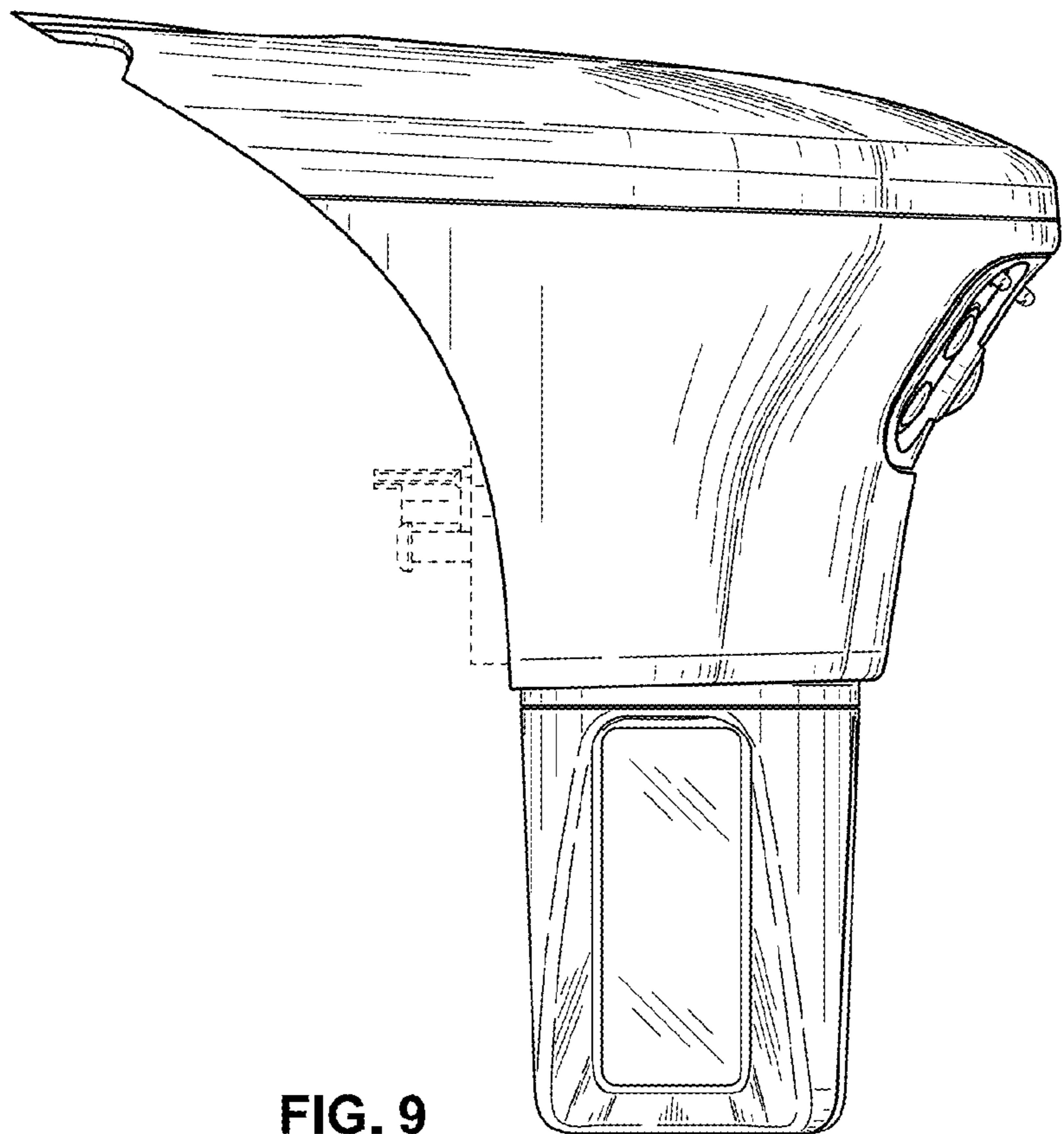
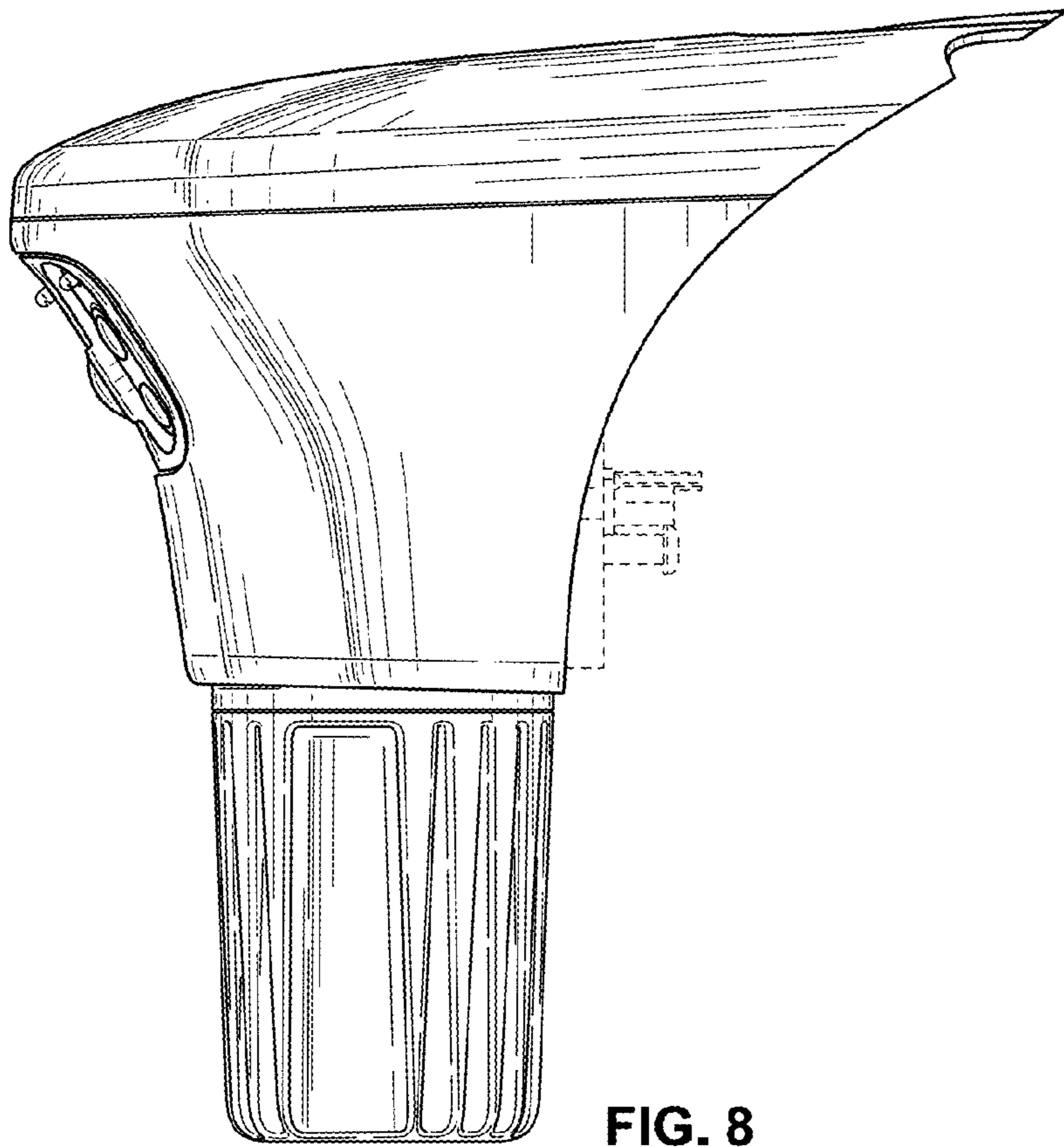


FIG. 7





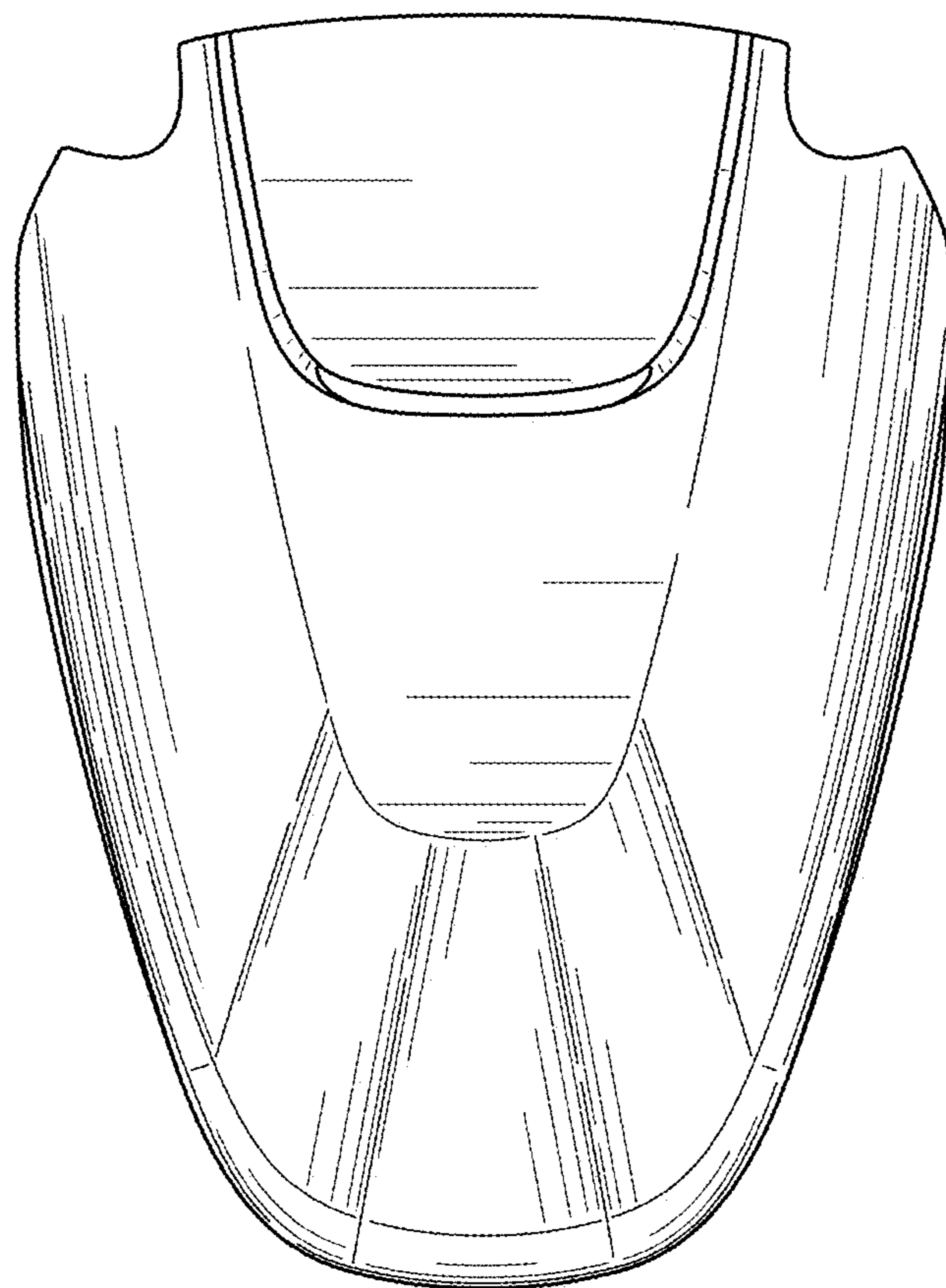


FIG. 10

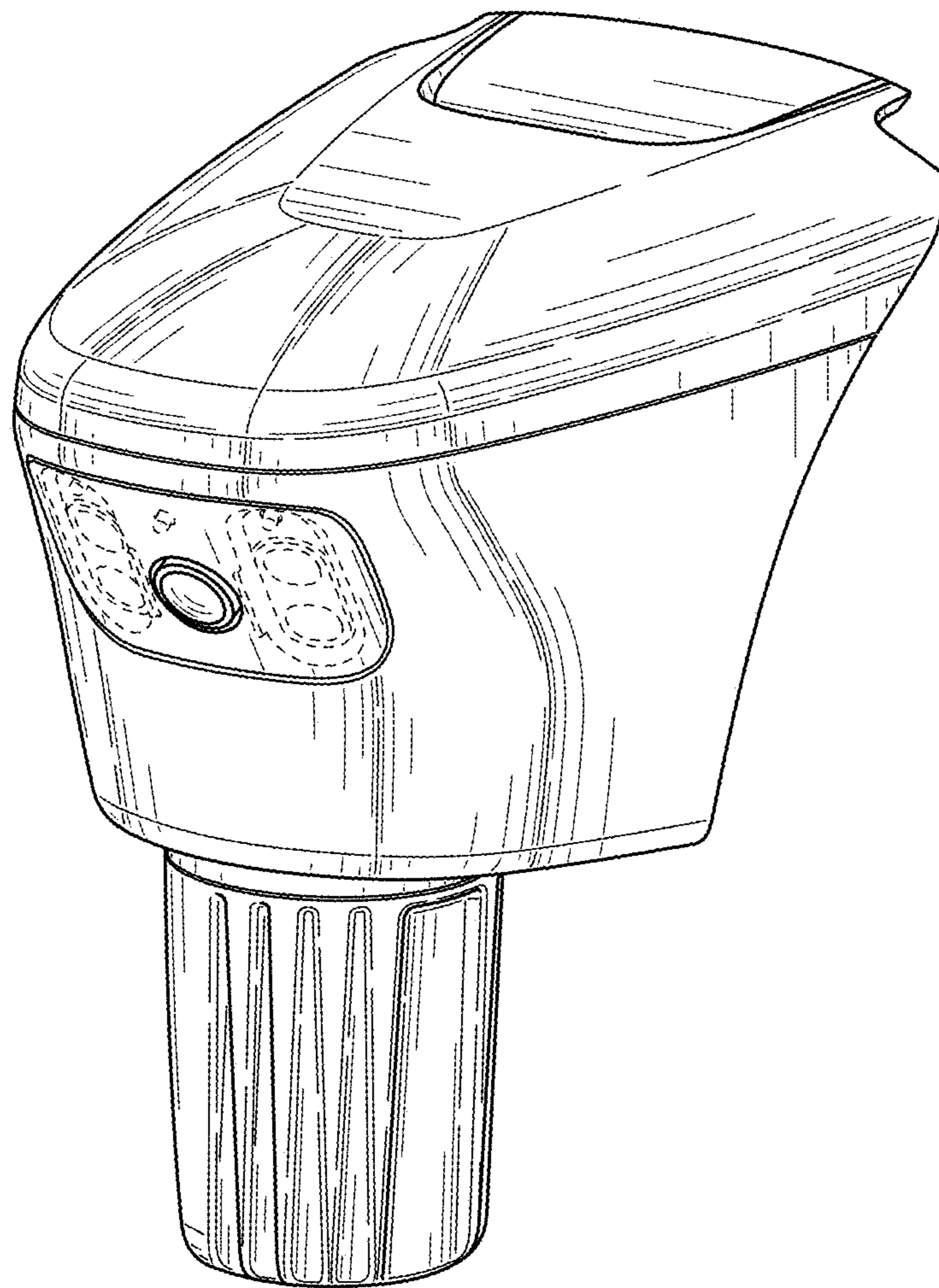


FIG. 11

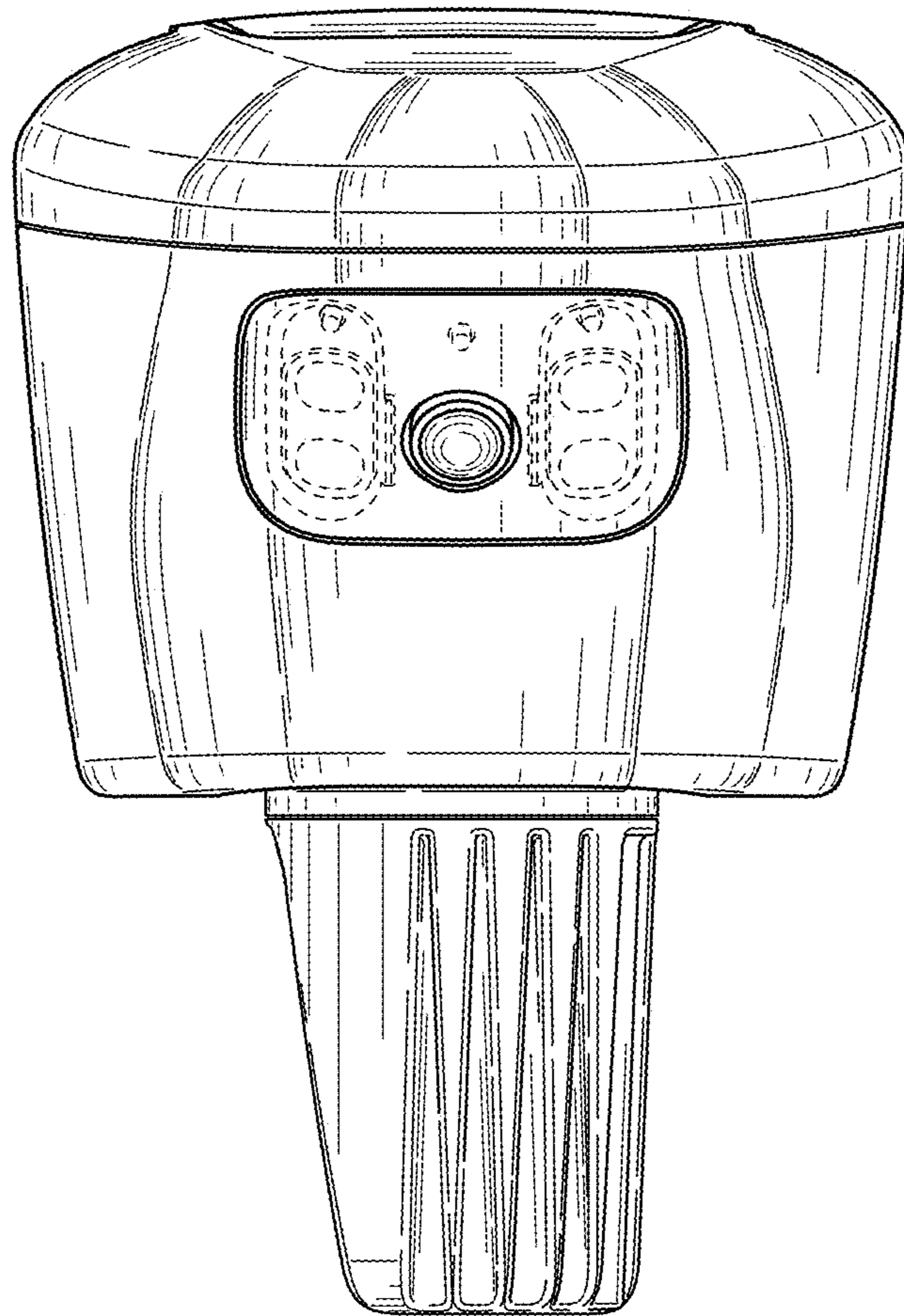


FIG. 12

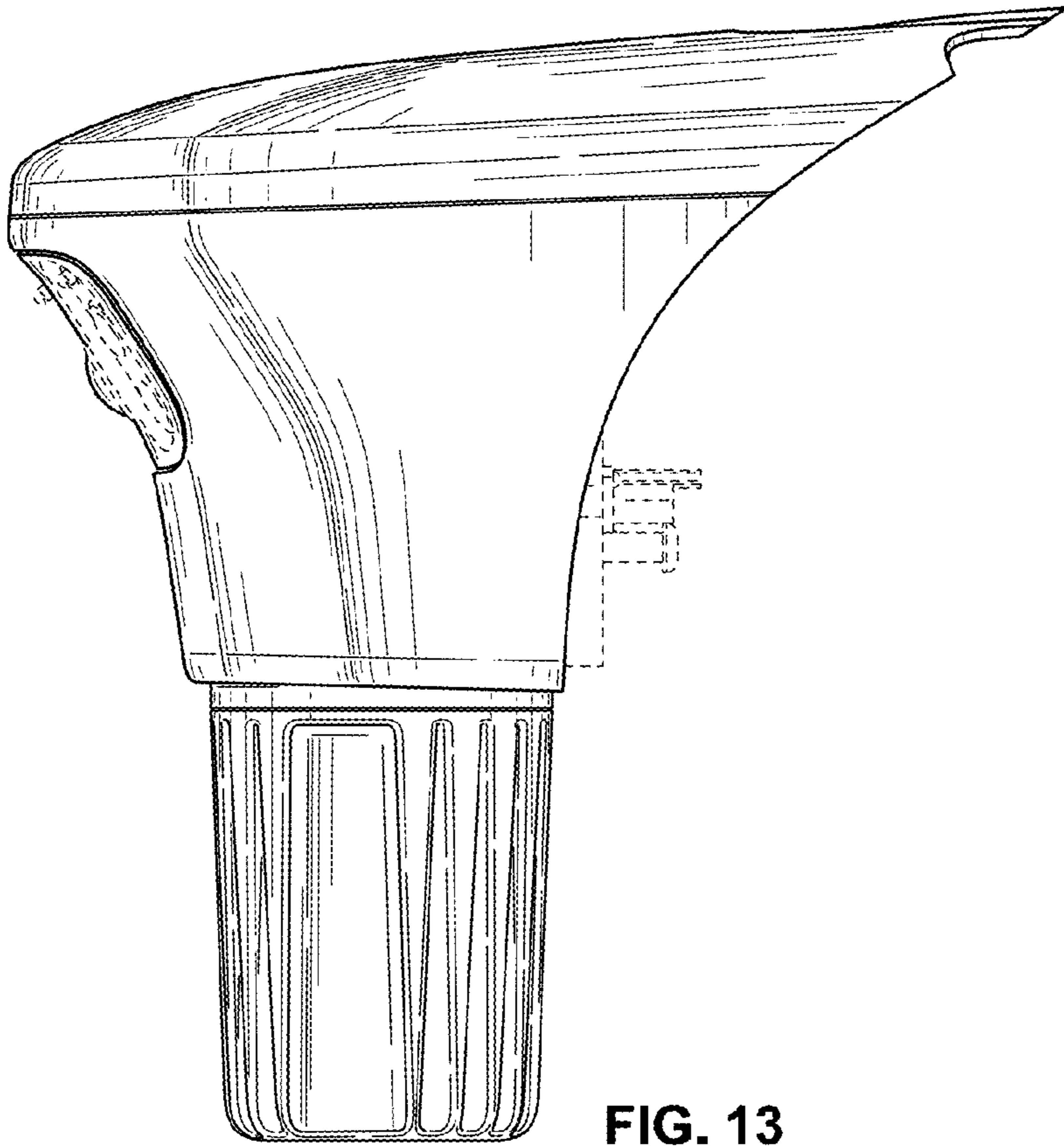


FIG. 13

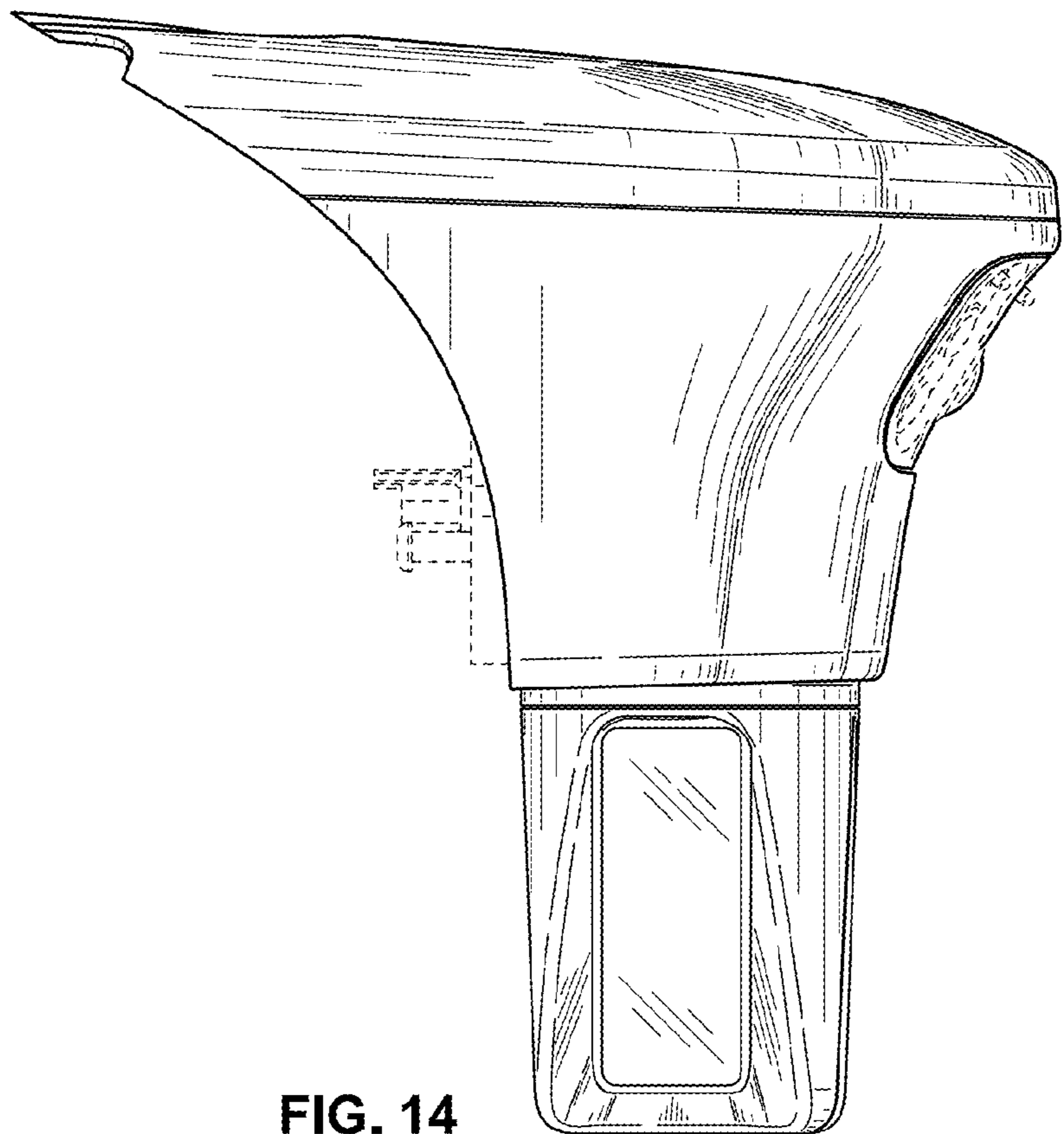


FIG. 14

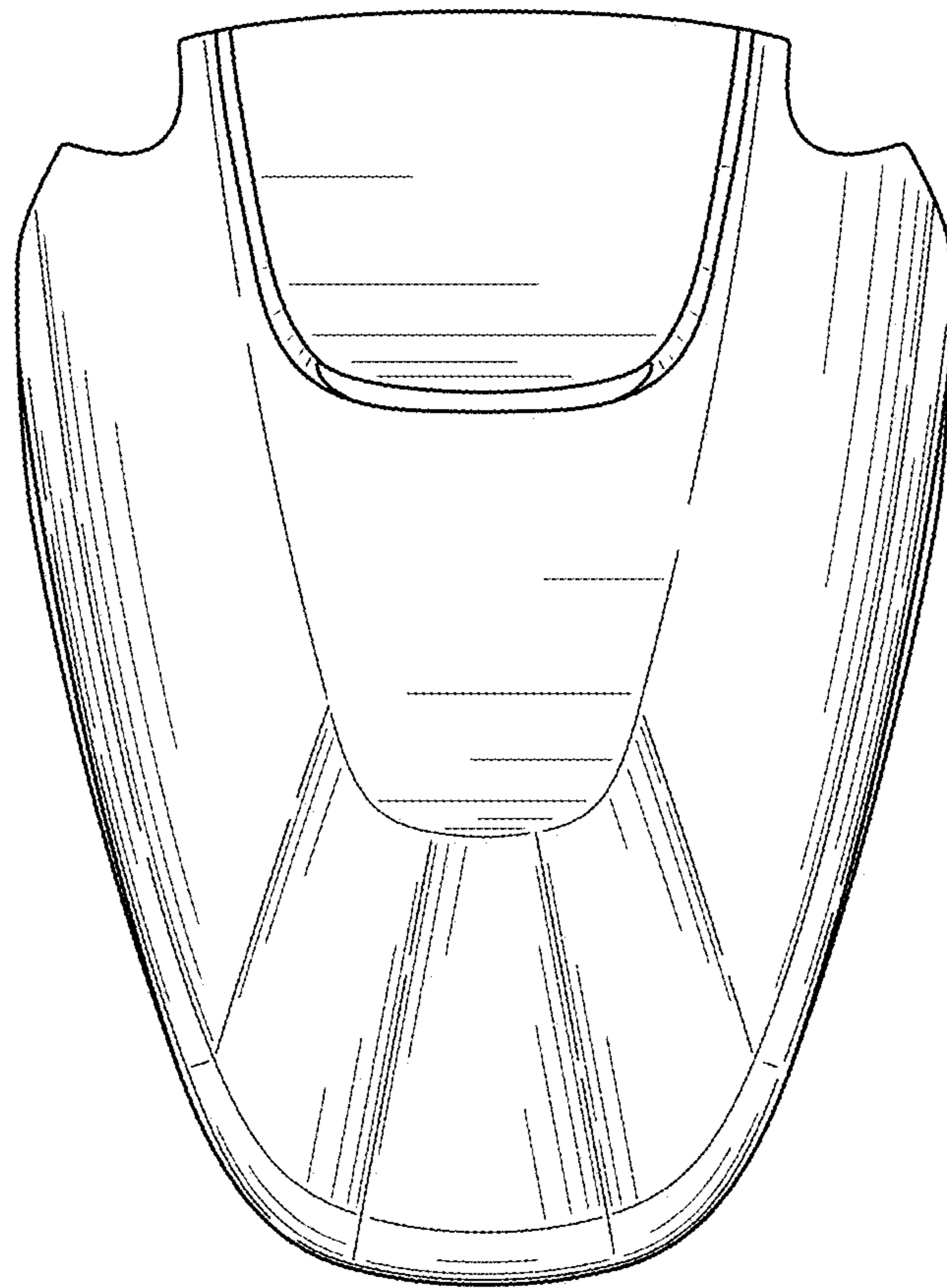


FIG. 15

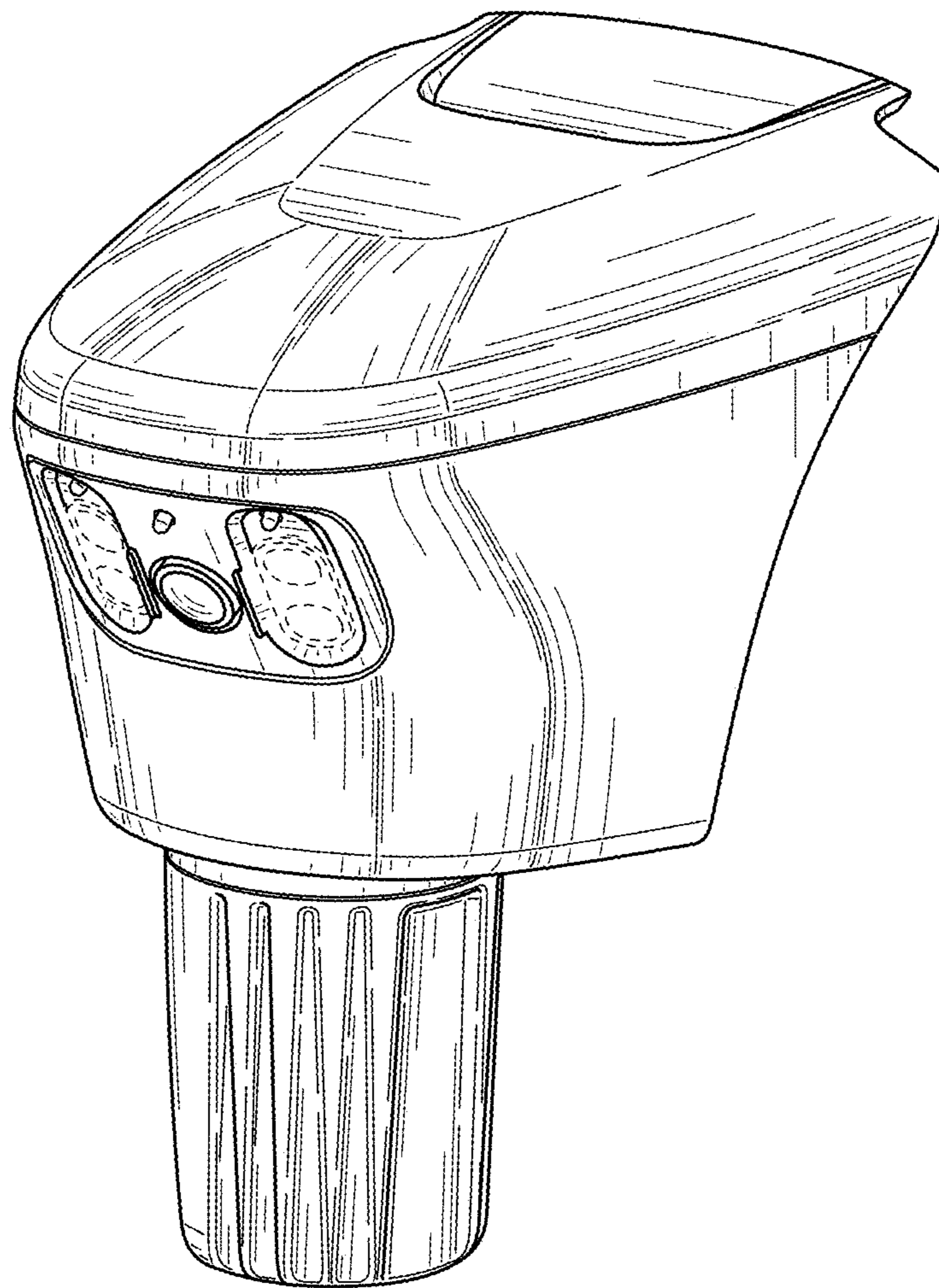


FIG. 16

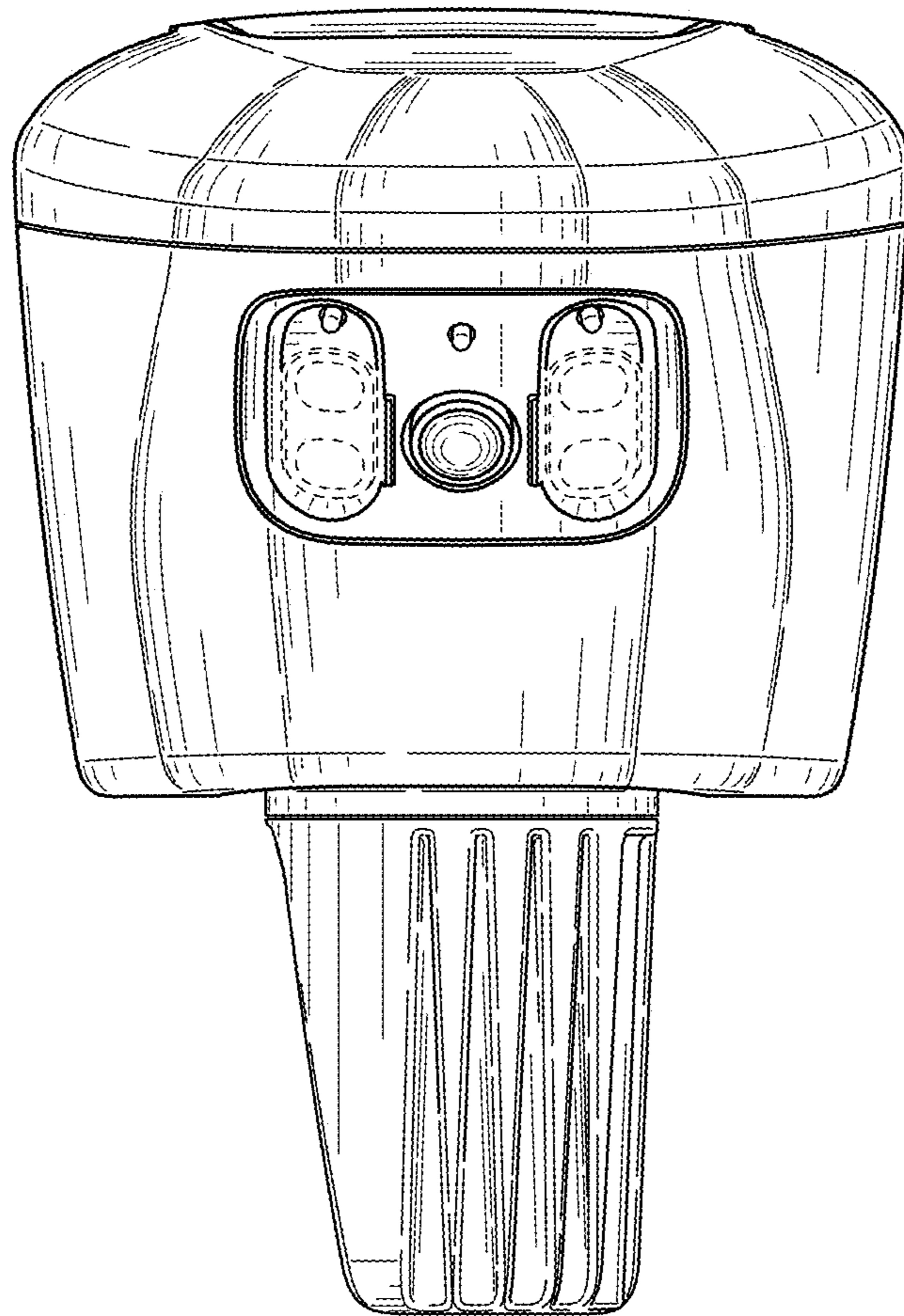


FIG. 17



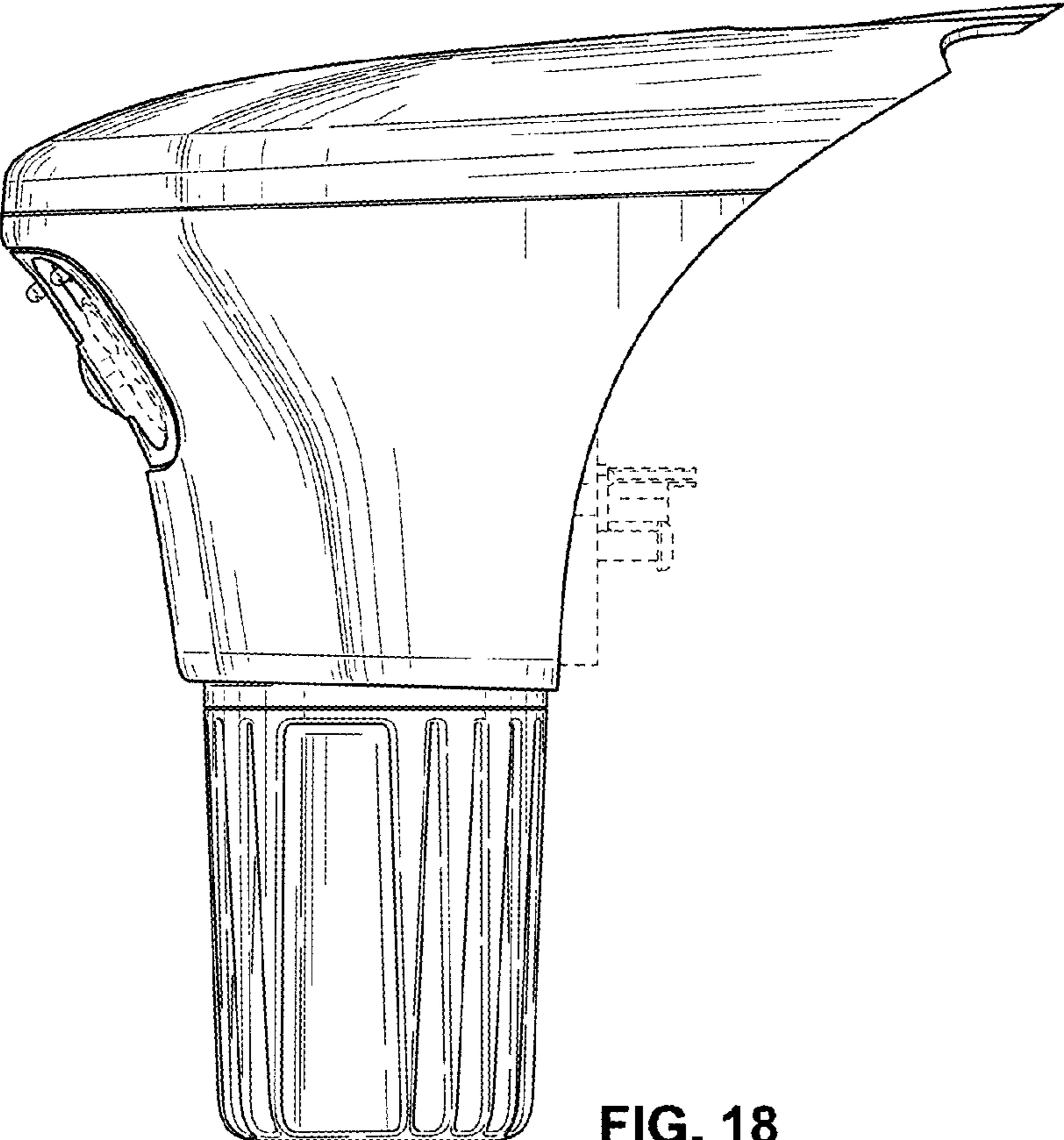


FIG. 18

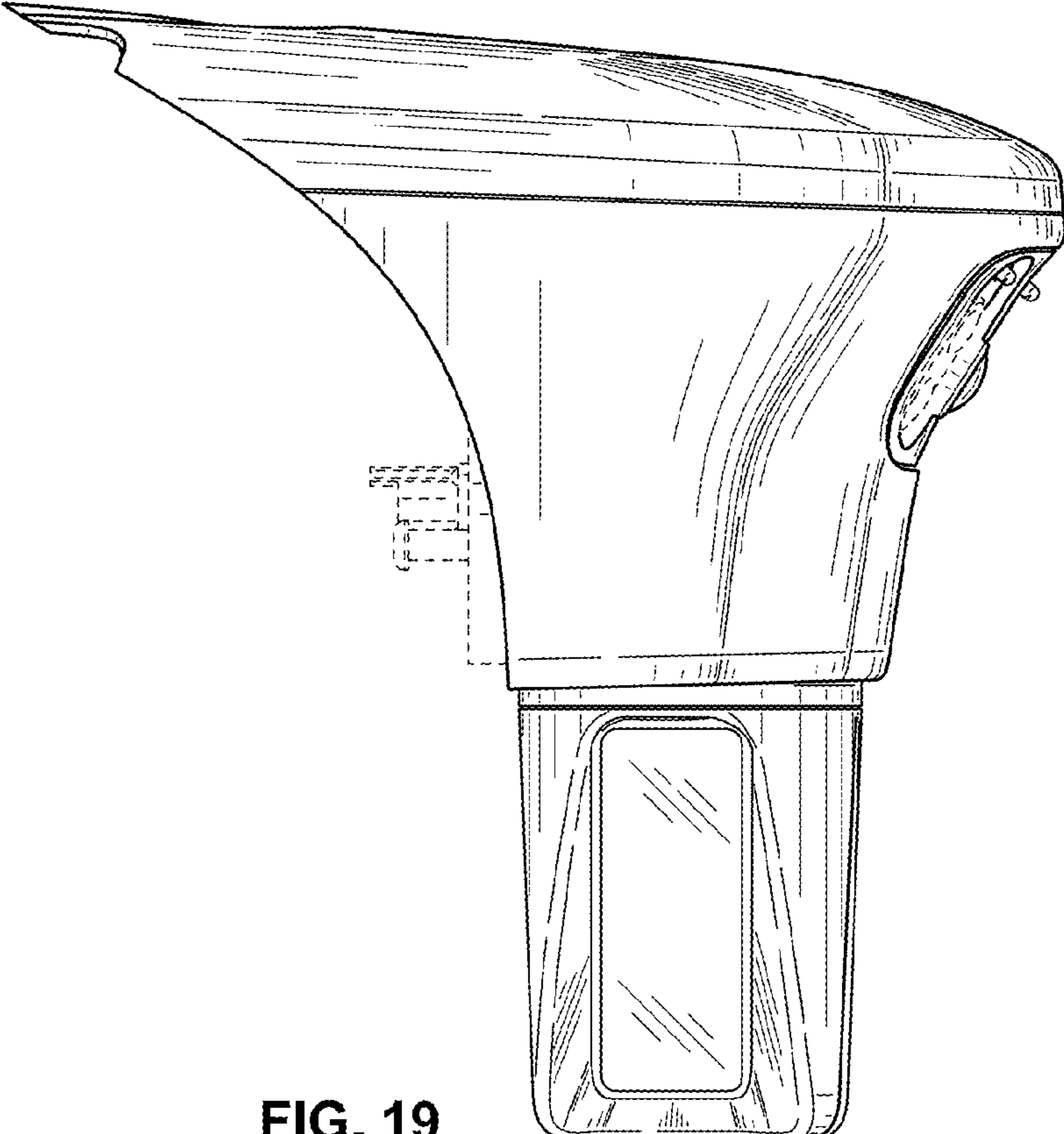


FIG. 19

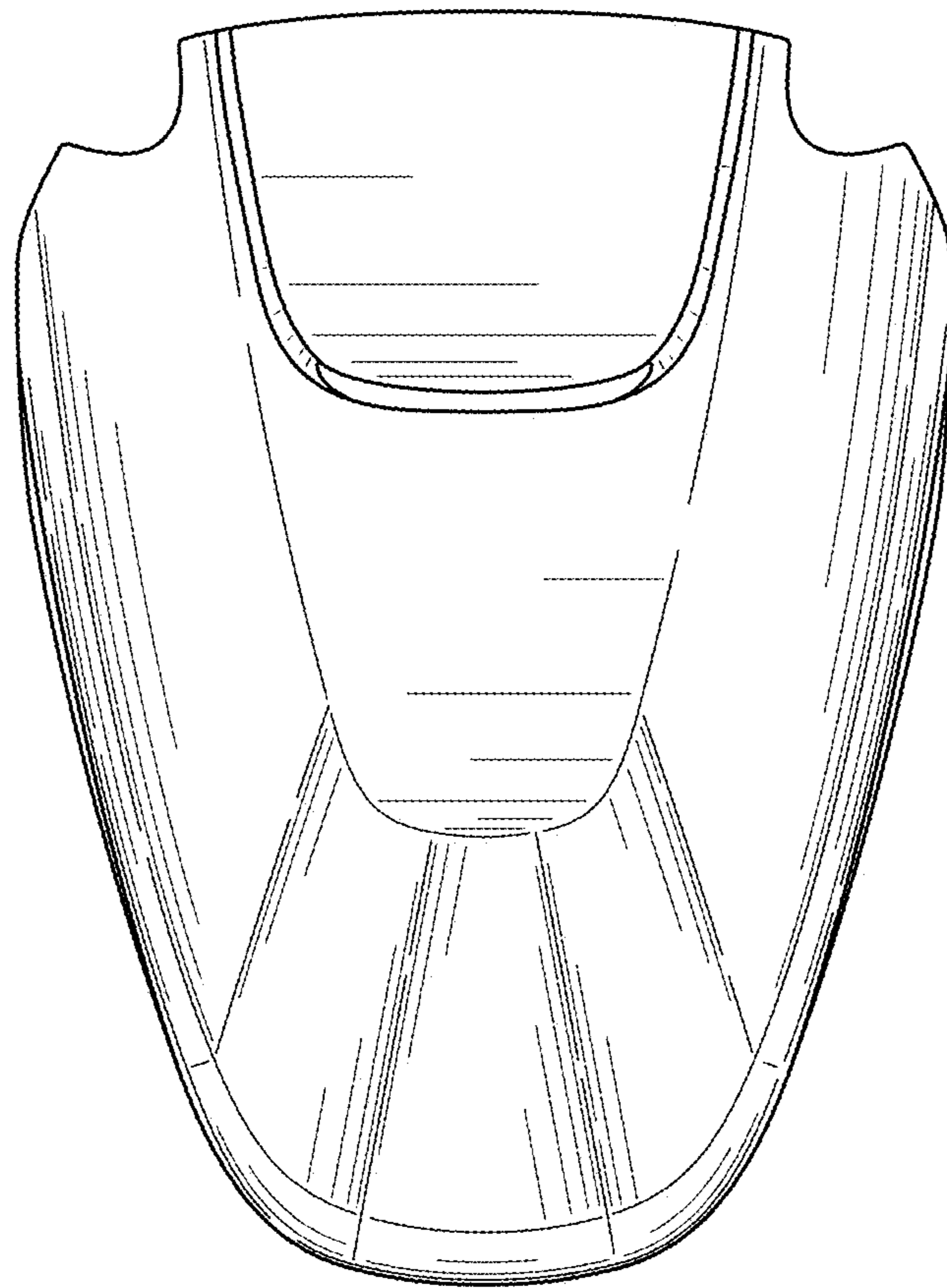


FIG. 20

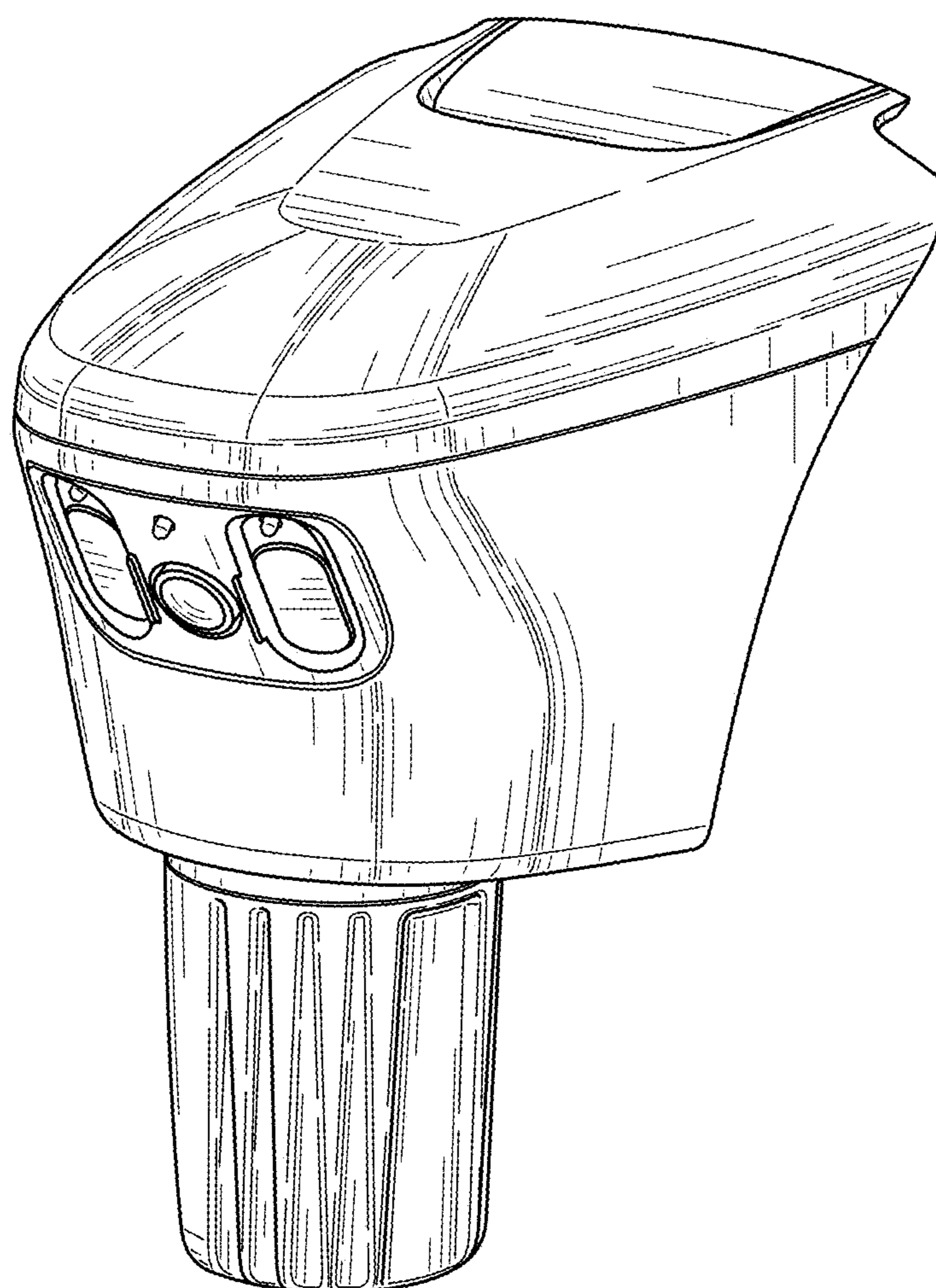


FIG. 21

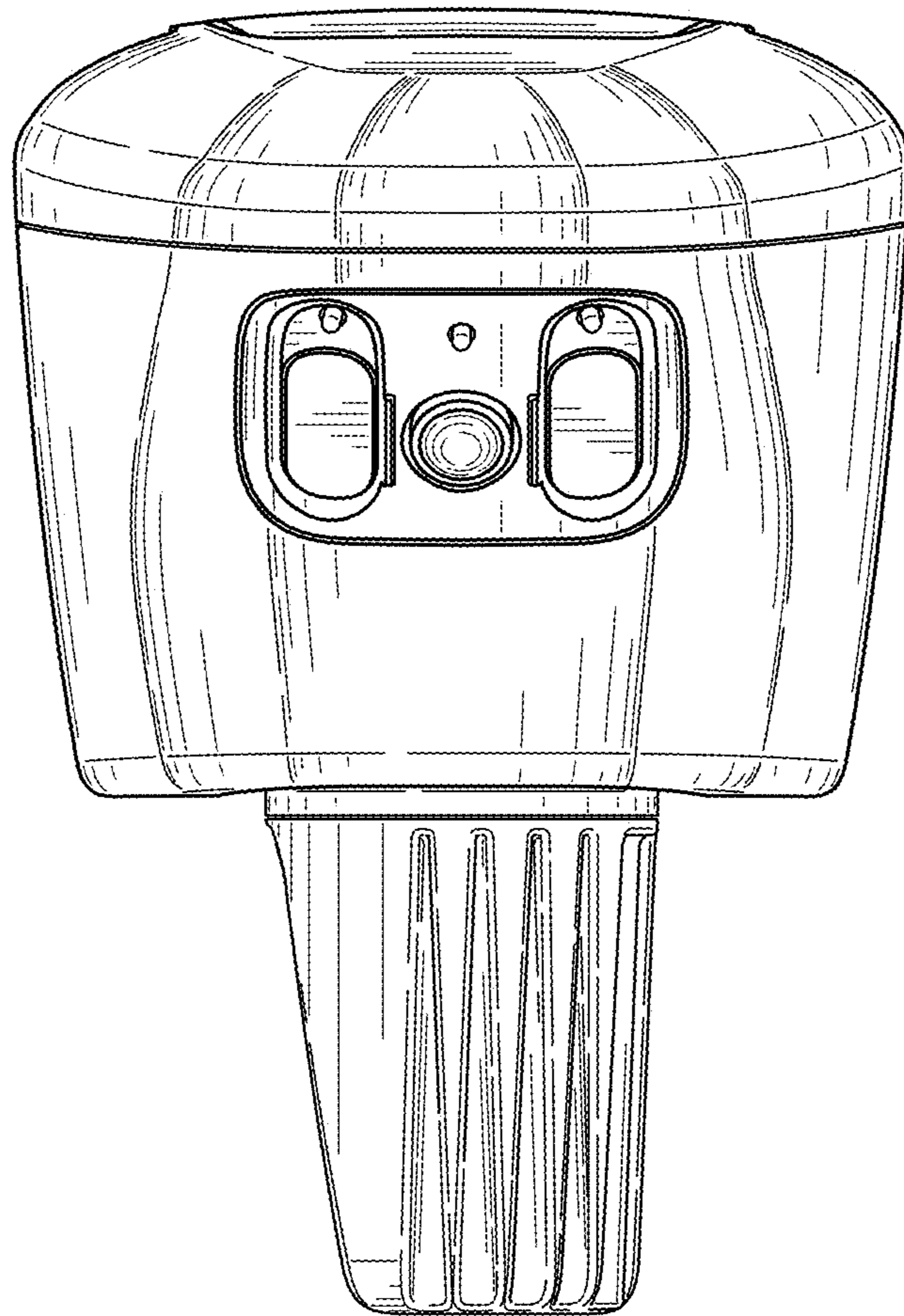


FIG. 22

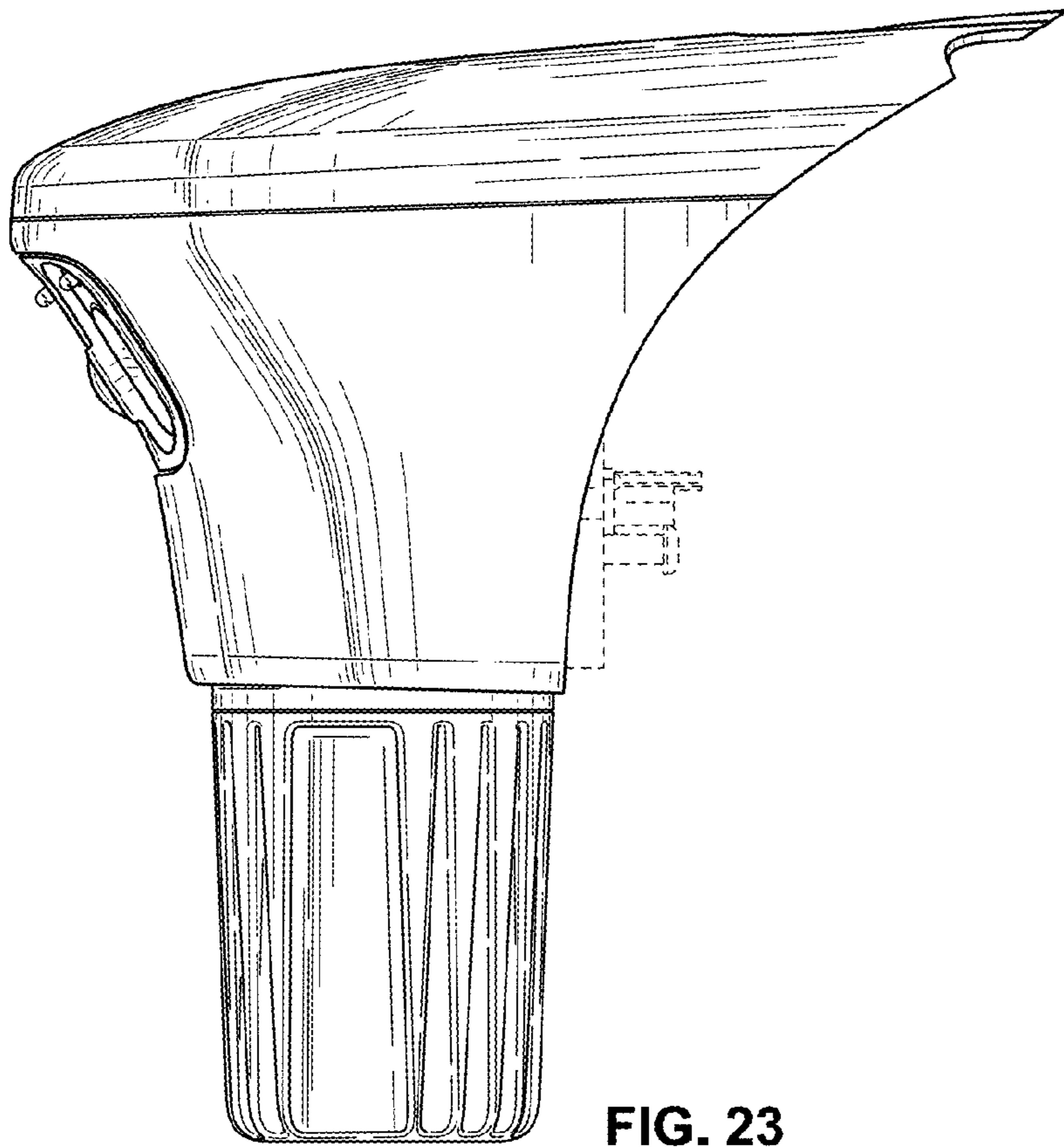


FIG. 23

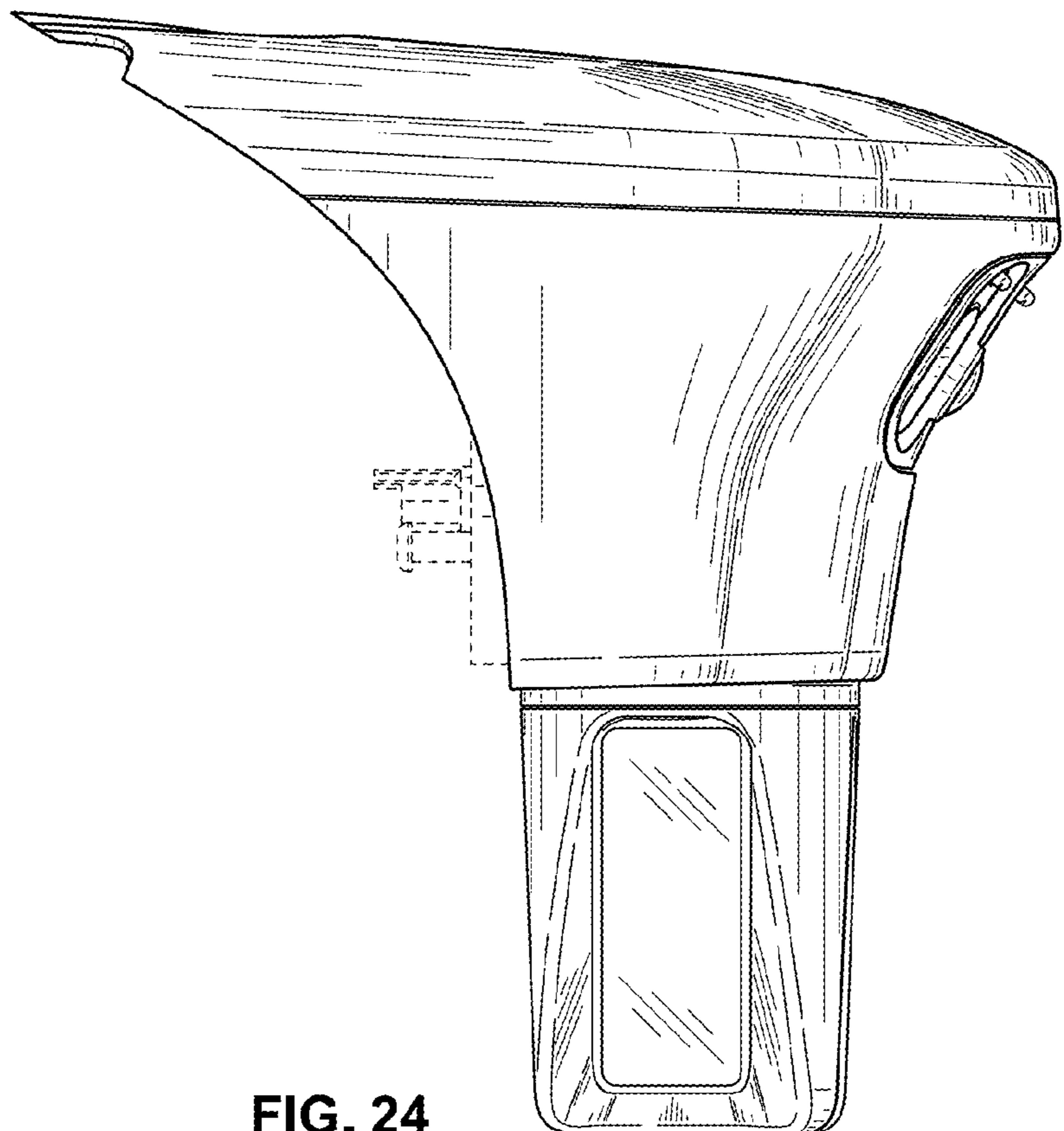


FIG. 24

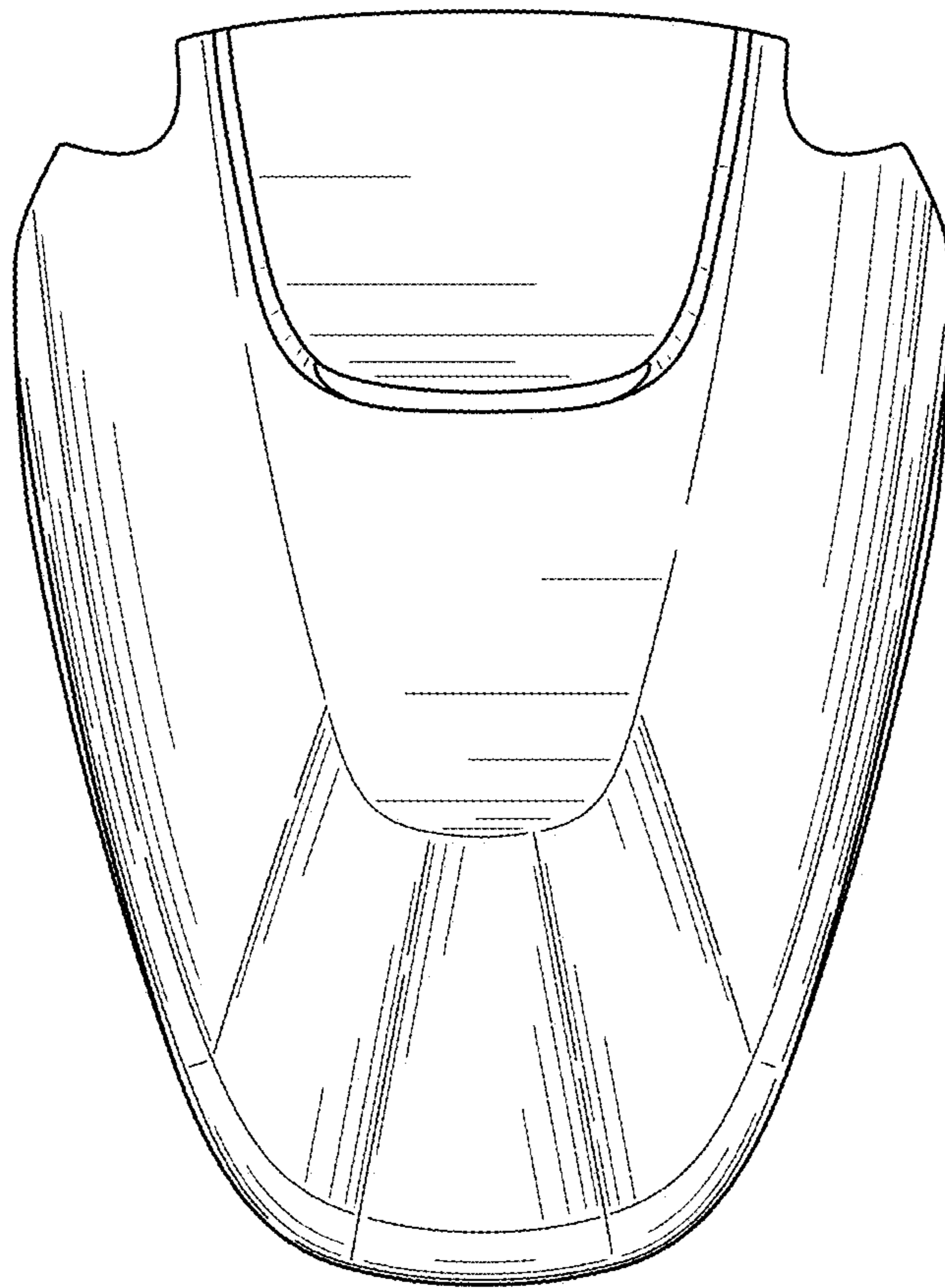


FIG. 25