



US00D964909S

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

(10) **Patent No.:** **US D964,909 S**

(45) **Date of Patent:** **** Sep. 27, 2022**

(54) **PERIMETER SENSOR HOUSING**

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- (73) Assignee: **Waymo LLC**, Mountain View, CA (US)

- (**) Term: **15 Years**
- (21) Appl. No.: **29/744,120**
- (22) Filed: **Jul. 27, 2020**

Related U.S. Application Data

- (63) Continuation-in-part of application No. 29/724,655, filed on Feb. 18, 2020, which is a continuation-in-part of application No. 29/688,902, filed on Apr. 25, 2019.
- (51) **LOC (13) Cl.** **12-16**
- (52) **U.S. Cl.**
USPC **D12/400; D10/70**
- (58) **Field of Classification Search**
USPC D10/46, 61, 62, 65, 70, 104.1; D12/174, D12/187, 188, 400

(Continued)

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Primary Examiner — Joseph Kukella
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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of a perimeter sensor housing according to a first embodiment of our design; FIG. 2 is a front elevation view thereof; FIG. 3 is a back elevation view thereof; FIG. 4 is a right side elevation view thereof; FIG. 5 is a left side elevation view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; FIG. 8 is a front perspective view of a perimeter sensor housing according to a second embodiment of our design; FIG. 9 is a front elevation view thereof; FIG. 10 is a back elevation view thereof; FIG. 11 is a right side elevation view thereof; FIG. 12 is a left side elevation view thereof; FIG. 13 is a top plan view thereof; FIG. 14 is a bottom plan view thereof; FIG. 15 is a front perspective view of a perimeter sensor housing according to a third embodiment of our design; FIG. 16 is a front elevation view thereof; FIG. 17 is a back elevation view thereof; FIG. 18 is a right side elevation view thereof; FIG. 19 is a left side elevation view thereof; FIG. 20 is a top plan view thereof; FIG. 21 is a bottom plan view thereof. FIG. 22 is a front perspective view of a perimeter sensor housing according to a fourth embodiment of our design; FIG. 23 is a front elevation view thereof;

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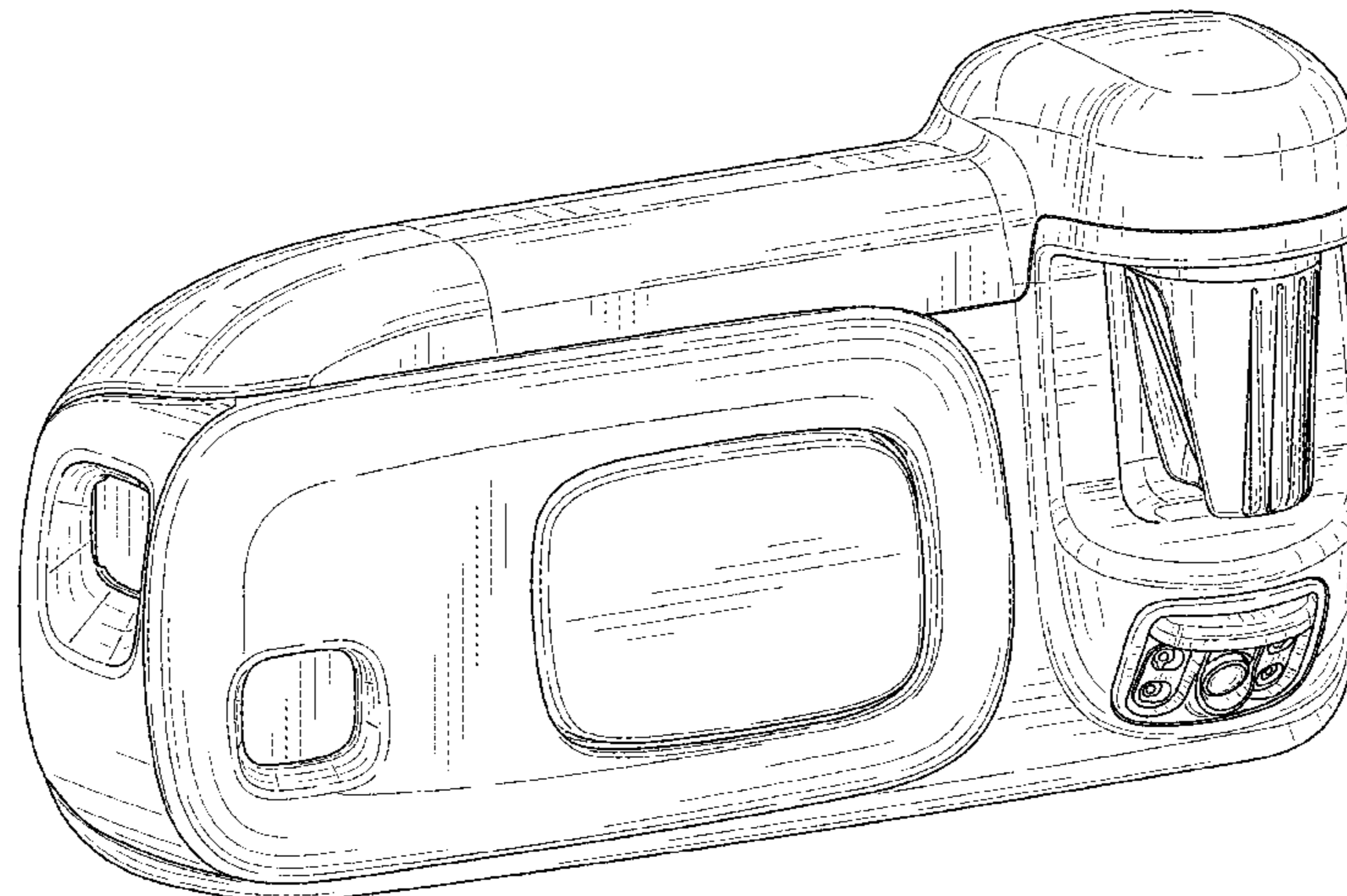


FIG. 24 is a back elevation view thereof;
 FIG. 25 is a right side elevation view thereof;
 FIG. 26 is a left side elevation view thereof;
 FIG. 27 is a top plan view thereof;
 FIG. 28 is a bottom plan view thereof;
 FIG. 29 is a front perspective view of a perimeter sensor housing according to a fifth ninth embodiment of our design;
 FIG. 30 is a front elevation view thereof;
 FIG. 31 is a back elevation view thereof;
 FIG. 32 is a right side elevation view thereof;
 FIG. 33 is a left side elevation view thereof;
 FIG. 34 is a top plan view thereof;
 FIG. 35 is a bottom plan view thereof;
 FIG. 36 is a front perspective view of a perimeter sensor housing according to a sixth embodiment of our design;
 FIG. 37 is a front elevation view thereof;
 FIG. 38 is a back elevation view thereof;
 FIG. 39 is a right side elevation view thereof;
 FIG. 40 is a left side elevation view thereof;
 FIG. 41 is a top plan view thereof;
 FIG. 42 is a bottom plan view thereof;
 FIG. 43 is a front perspective view of the perimeter sensor housing of the first embodiment positioned on a first side of an exemplary vehicle; and,
 FIG. 44 is a front perspective view of the perimeter sensor housing of the first embodiment positioned on a second side of an exemplary vehicle in a mirror image arrangement from FIG. 43.

The broken lines in the figures illustrate portions of the perimeter sensor housing that form no part of the claimed design. The broken lines shown in FIGS. 43 and 44 illustrate exemplary vehicles that form no part of the claimed design. The specific placement of the perimeter sensor housing in FIGS. 43 and 44 on the exemplary vehicles are for illustrative purposes only and do not limit placement of the perimeter sensor housing to a specific location on a vehicle or other object.

The embodiments illustrate the perimeter sensor housing for use on a first side of a vehicle or other object. Other corresponding embodiments of the perimeter sensor housing are mirror images of the illustrated embodiments. An example of such mirror image arrangements is presented in the exemplary perspective view of FIG. 44.

1 Claim, 38 Drawing Sheets

(58) Field of Classification Search

CPC ... G01S 2013/9327; G01S 2013/93271; G01S 2013/93272; G01S 2013/93274

See application file for complete search history.

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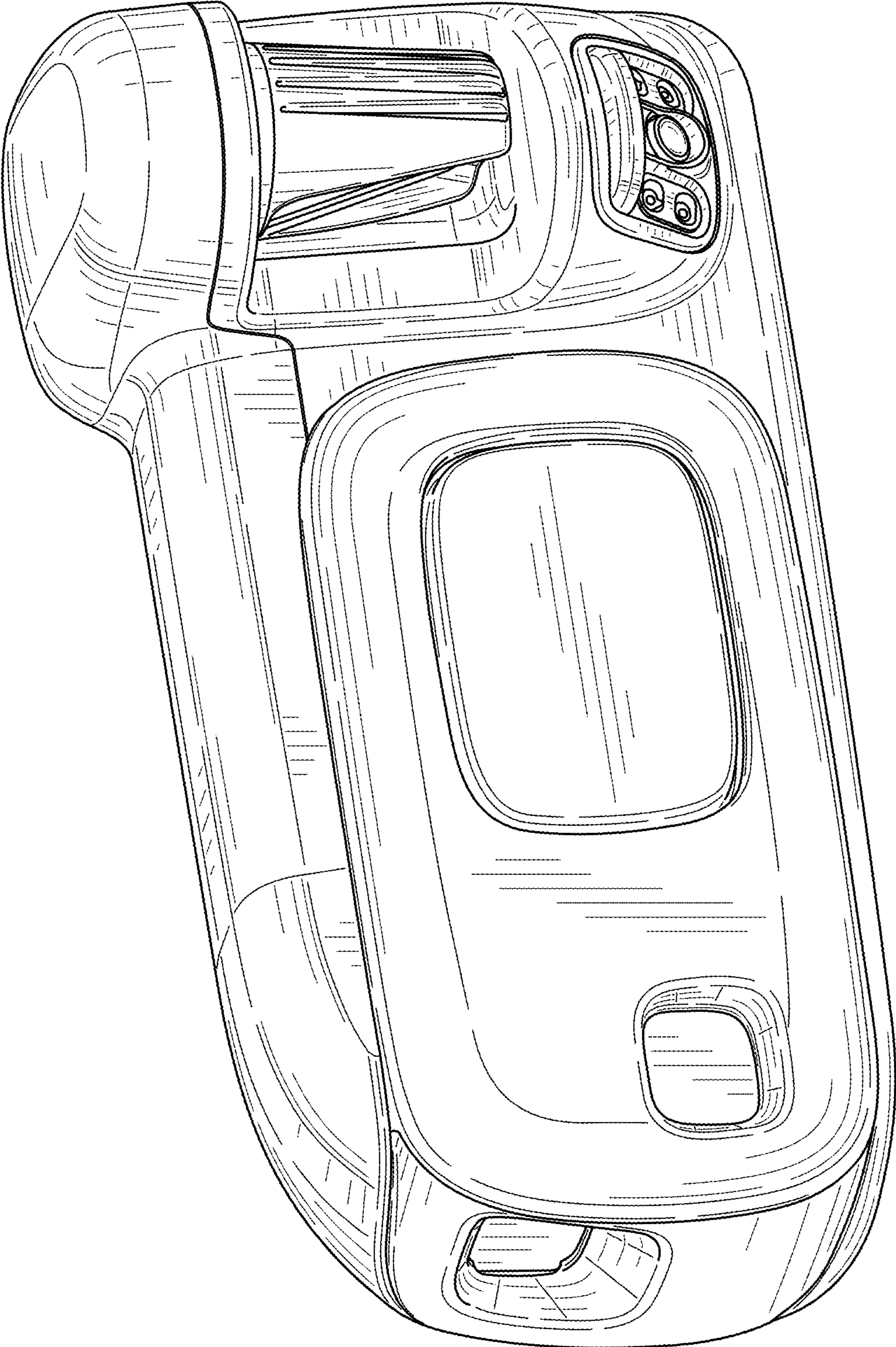


FIG. 1

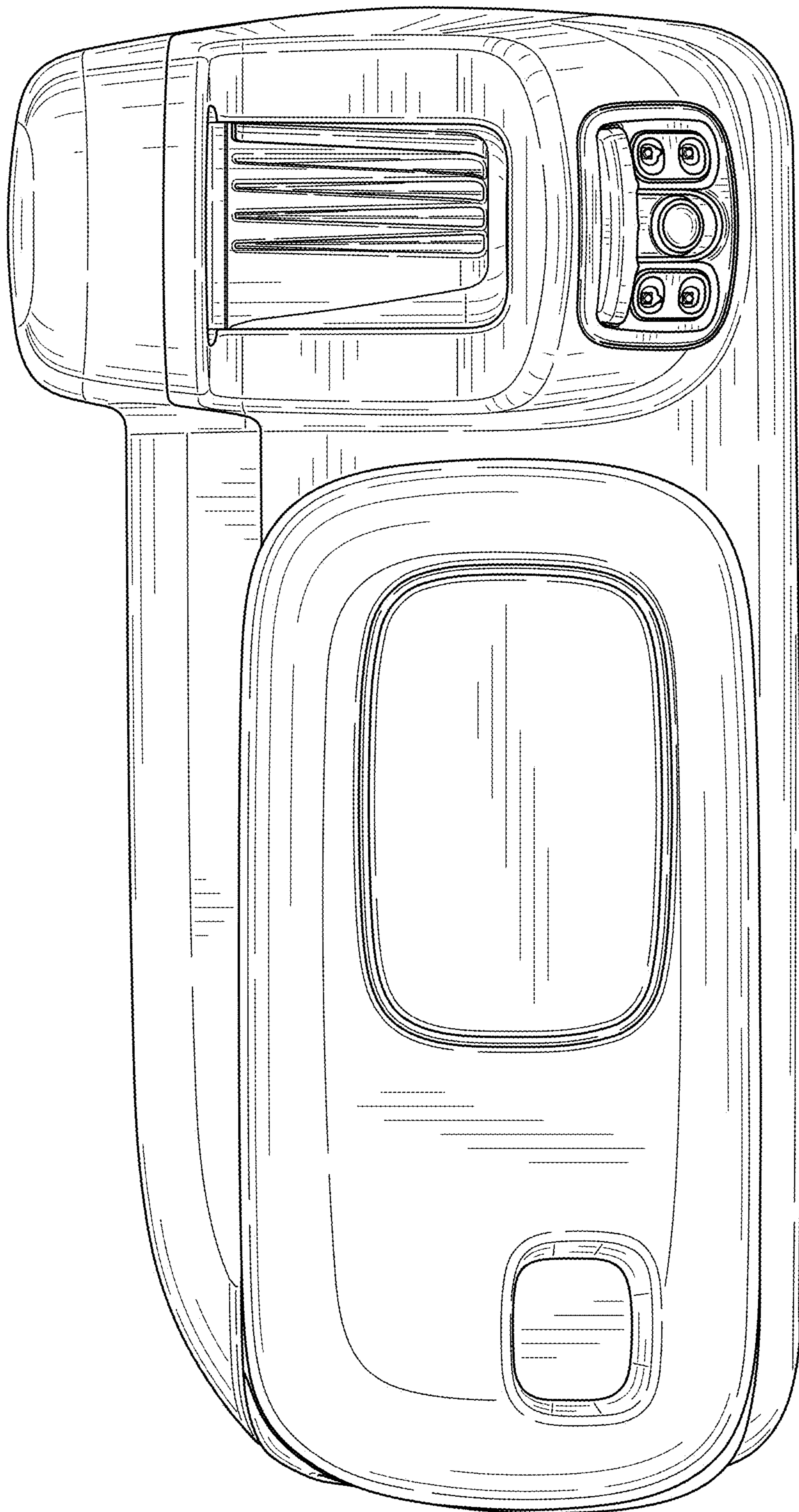


FIG. 2

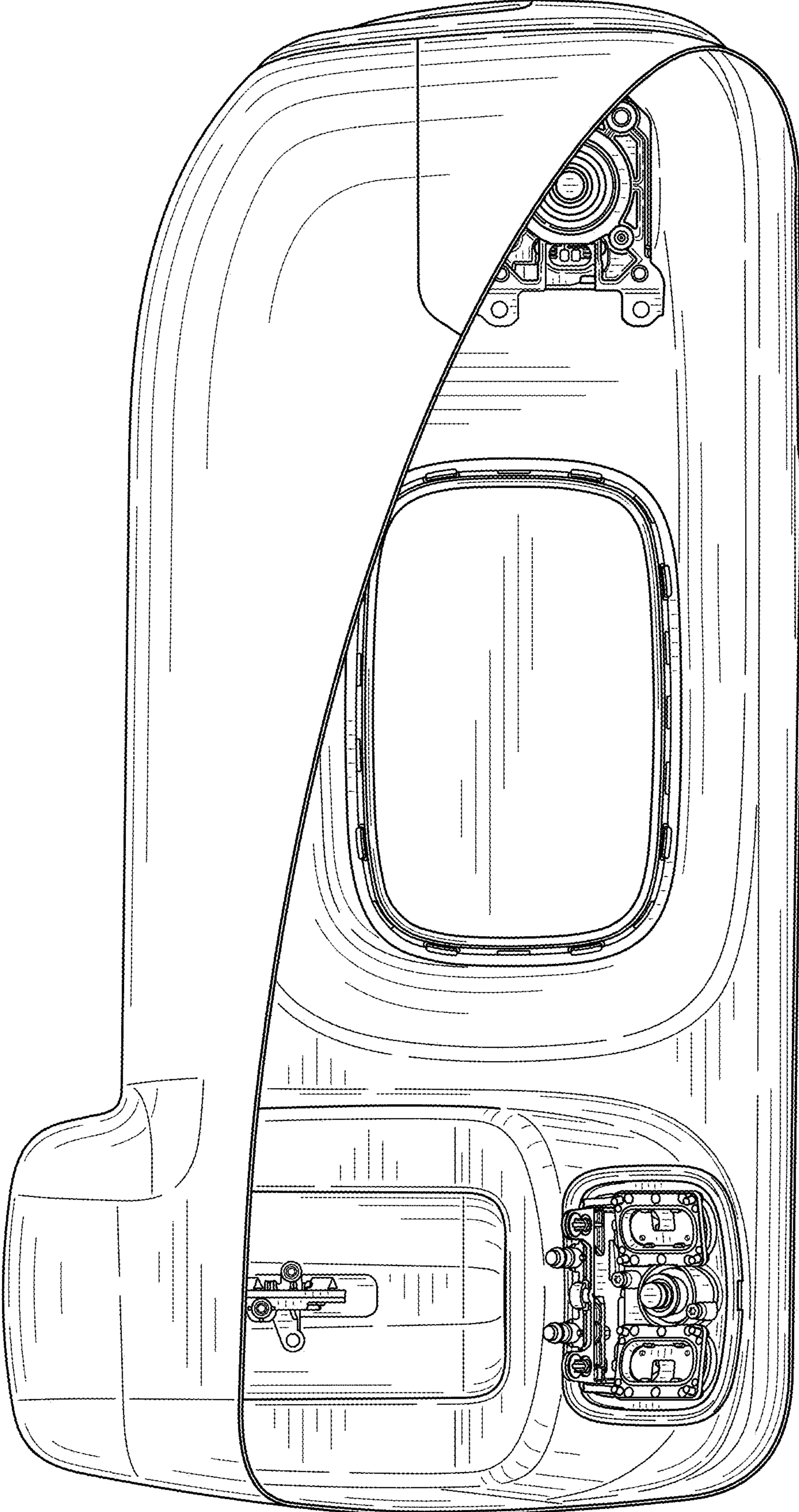


FIG. 3

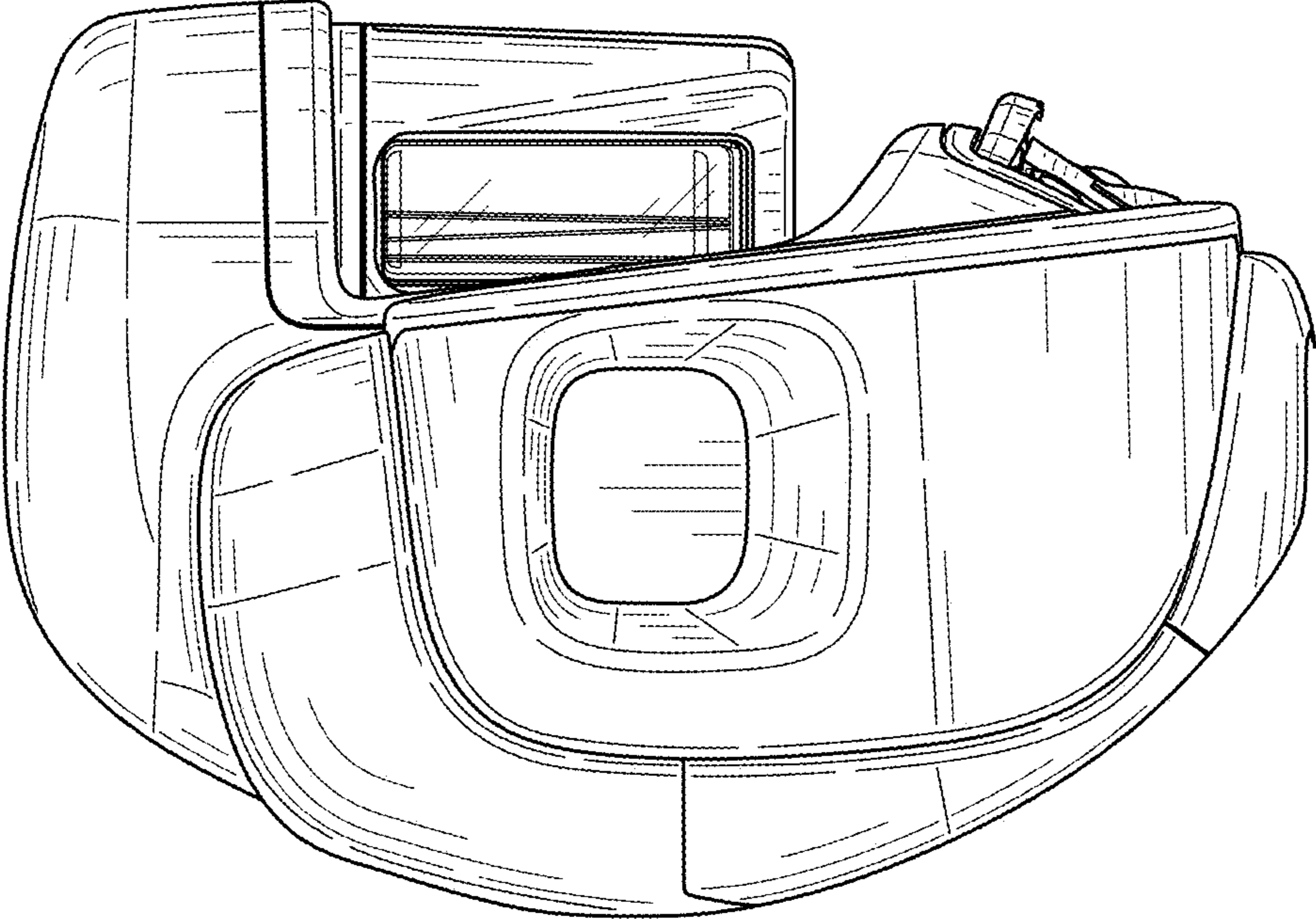


FIG. 5

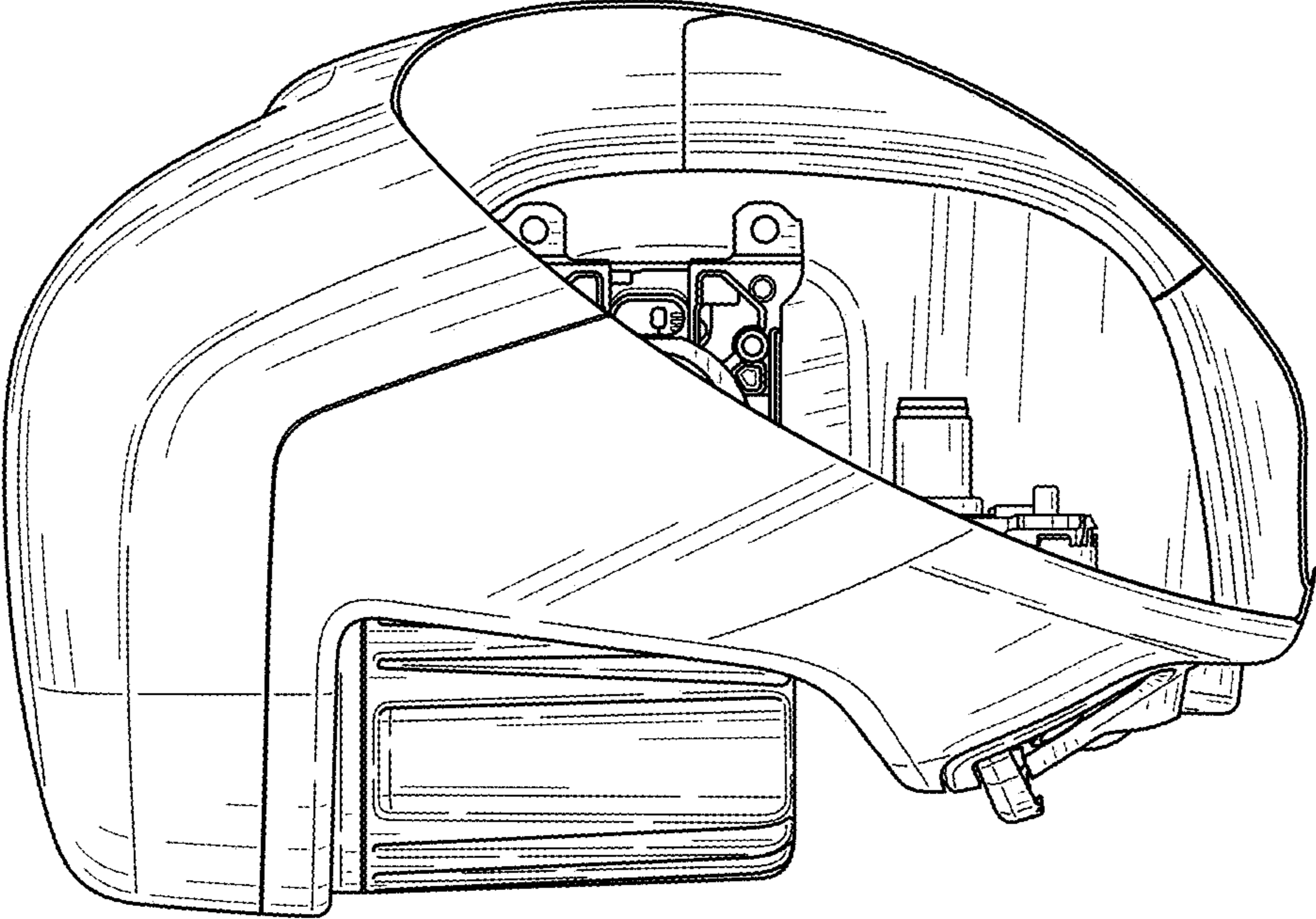


FIG. 4

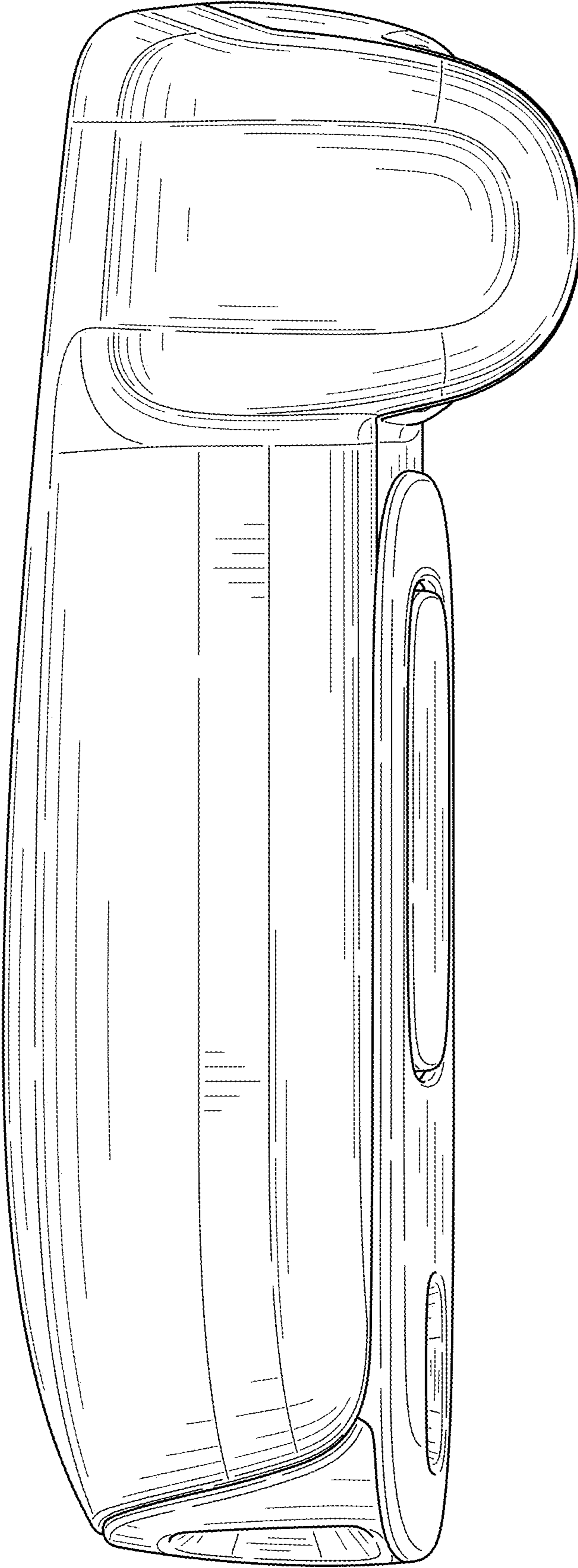


FIG. 6

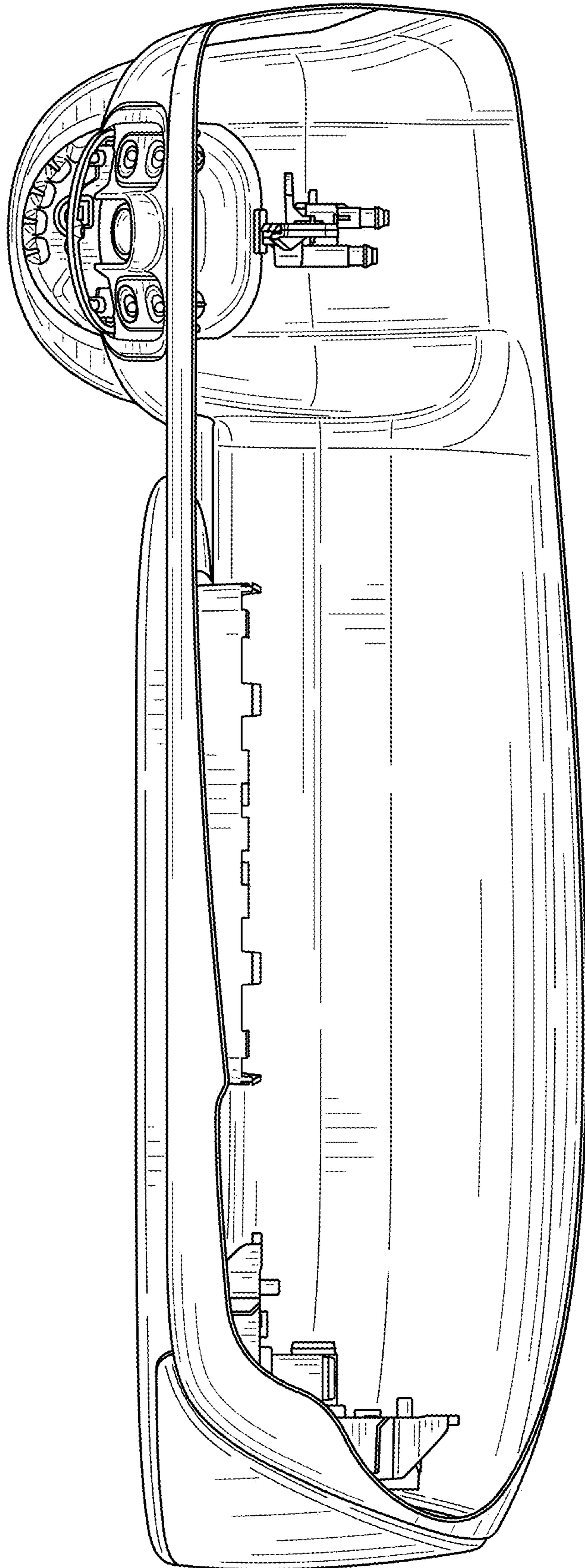


FIG. 7

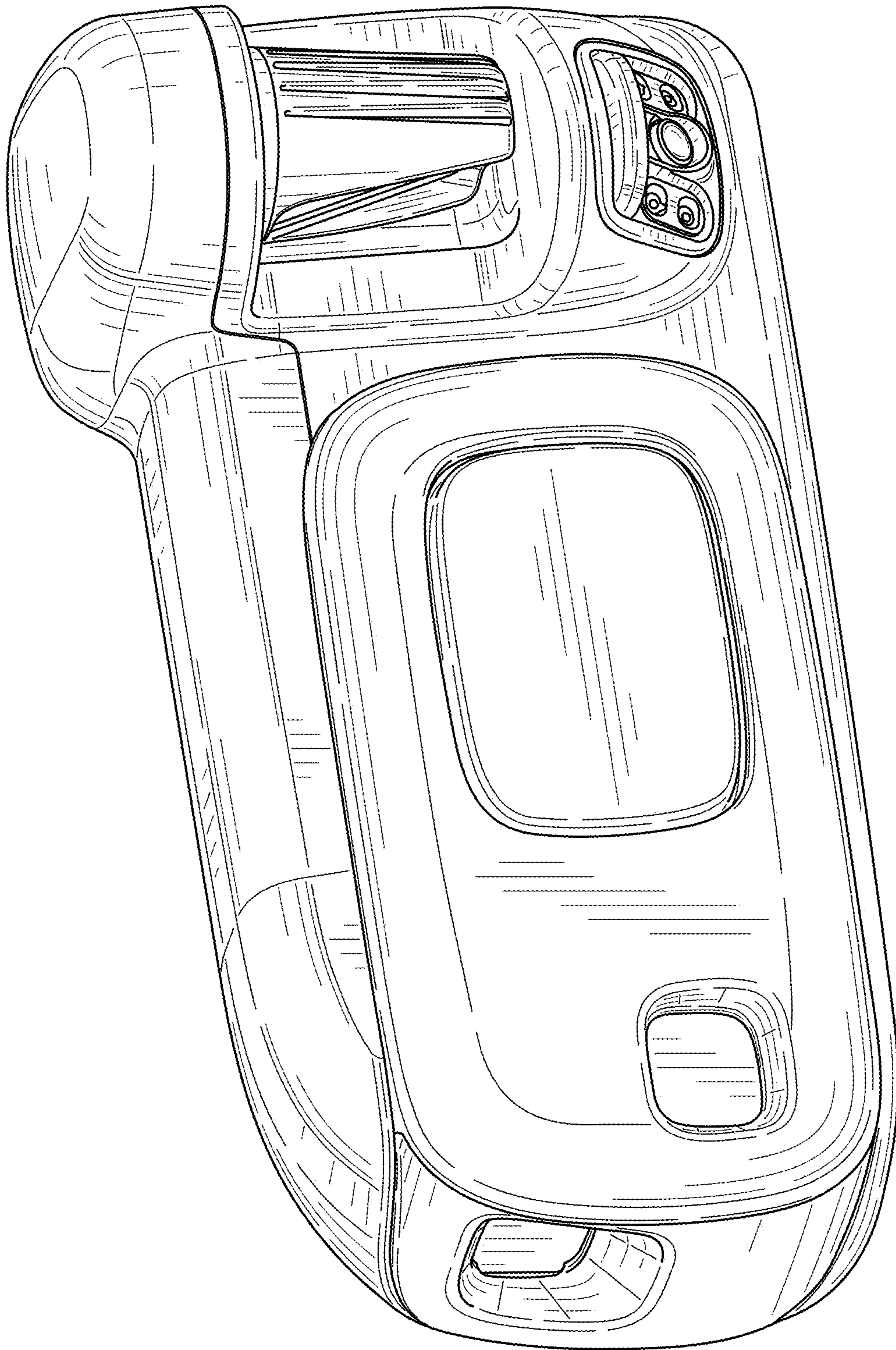


FIG. 8

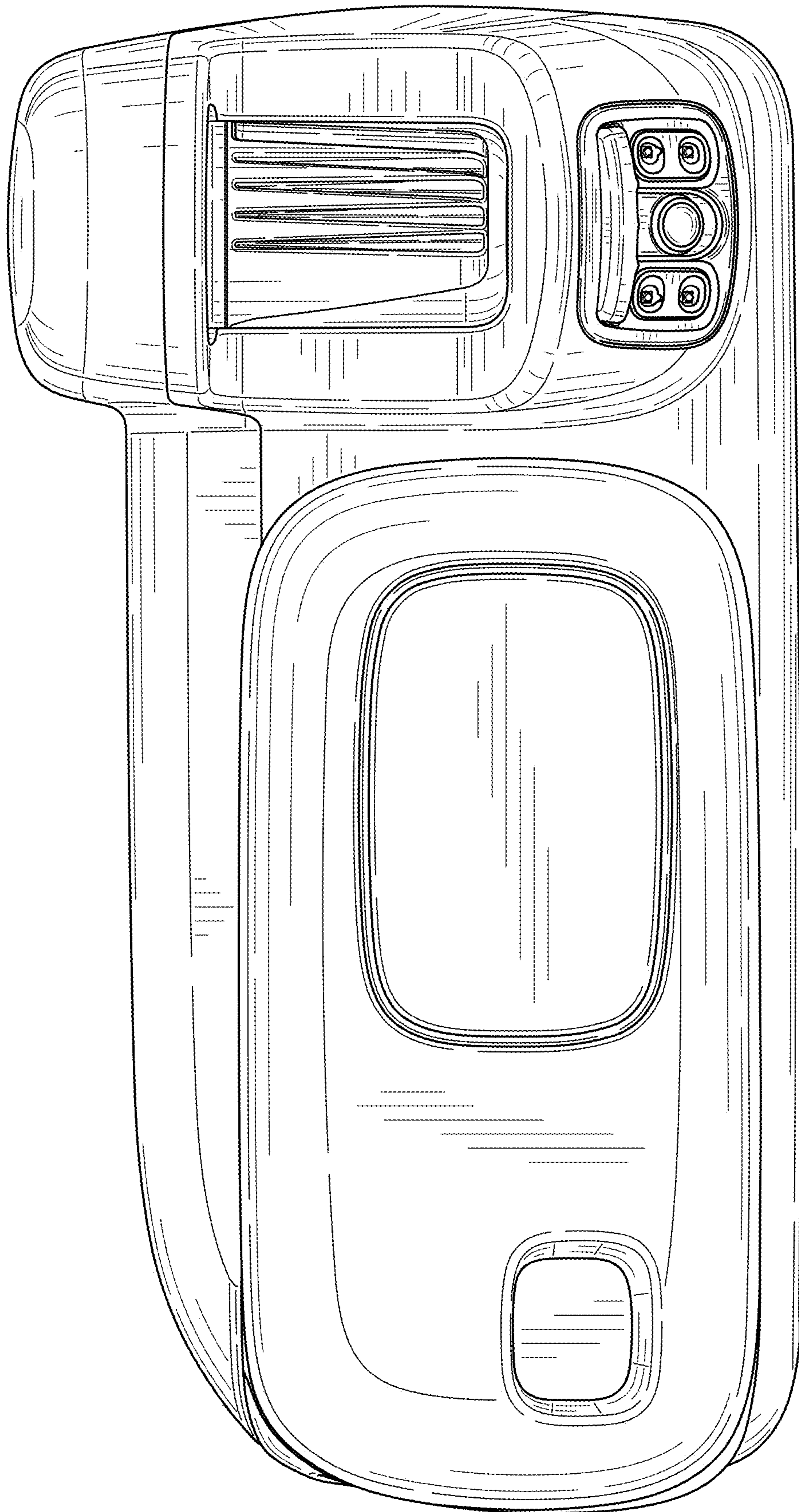


FIG. 9

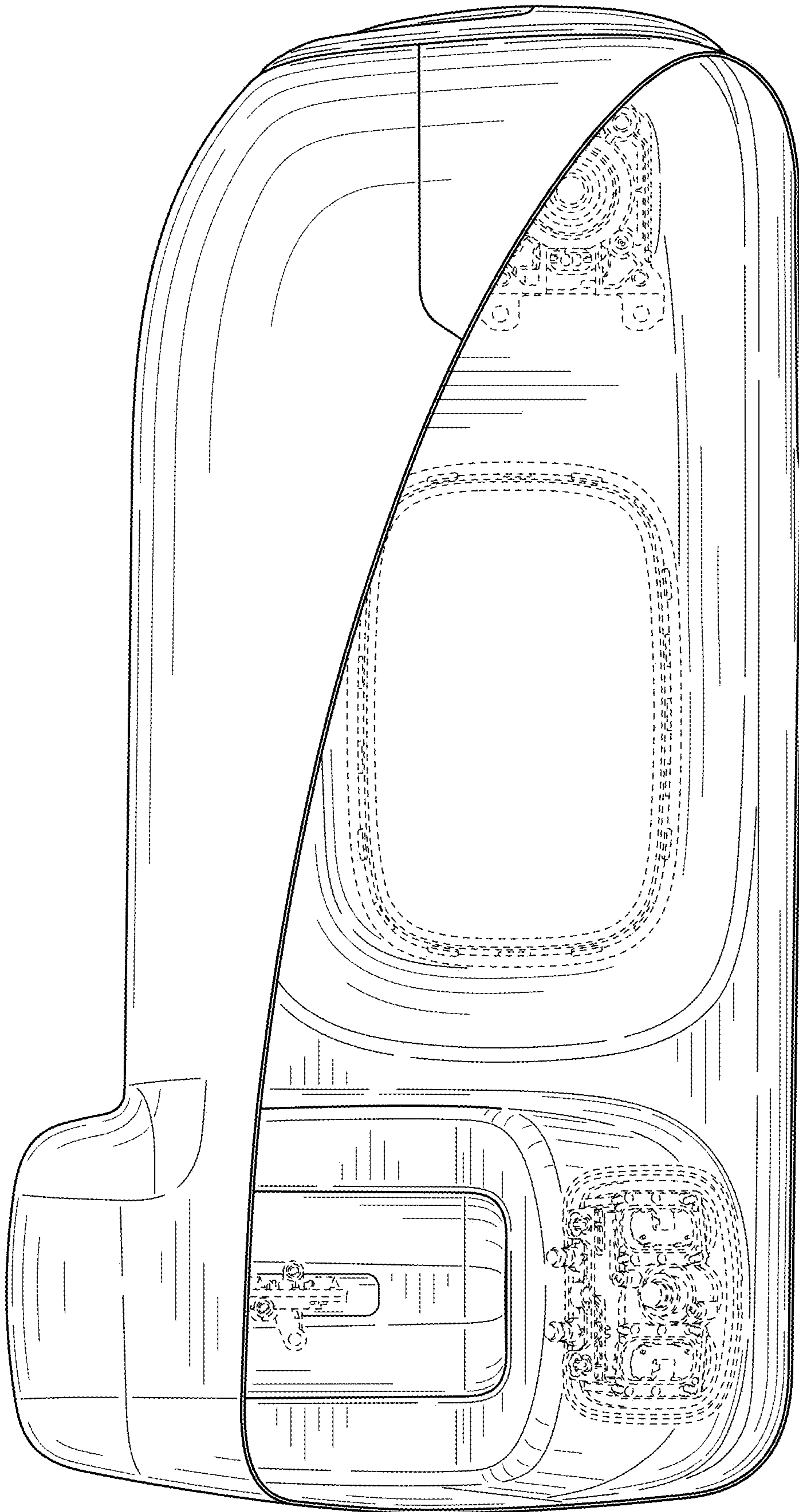


FIG. 10

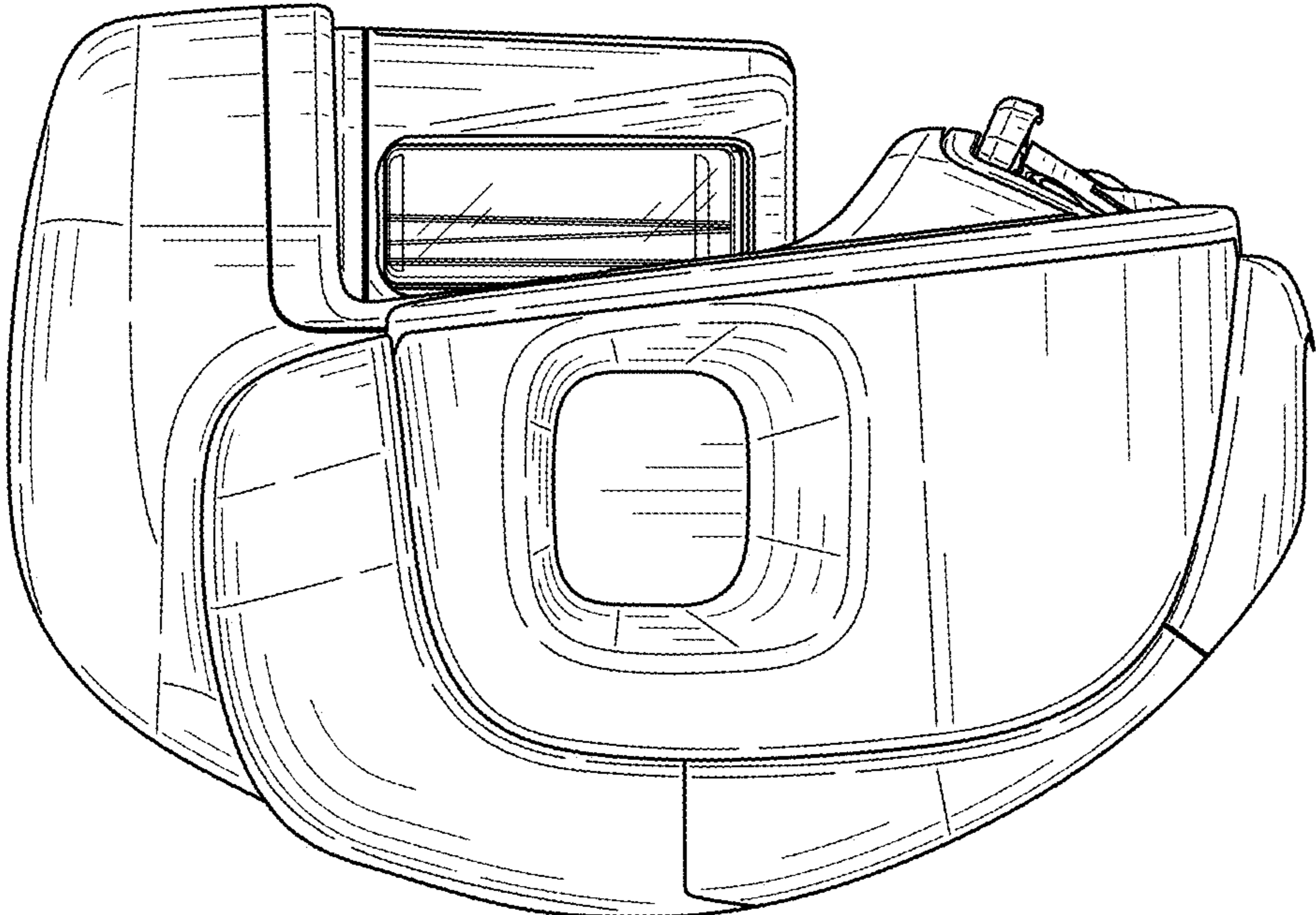


FIG. 12

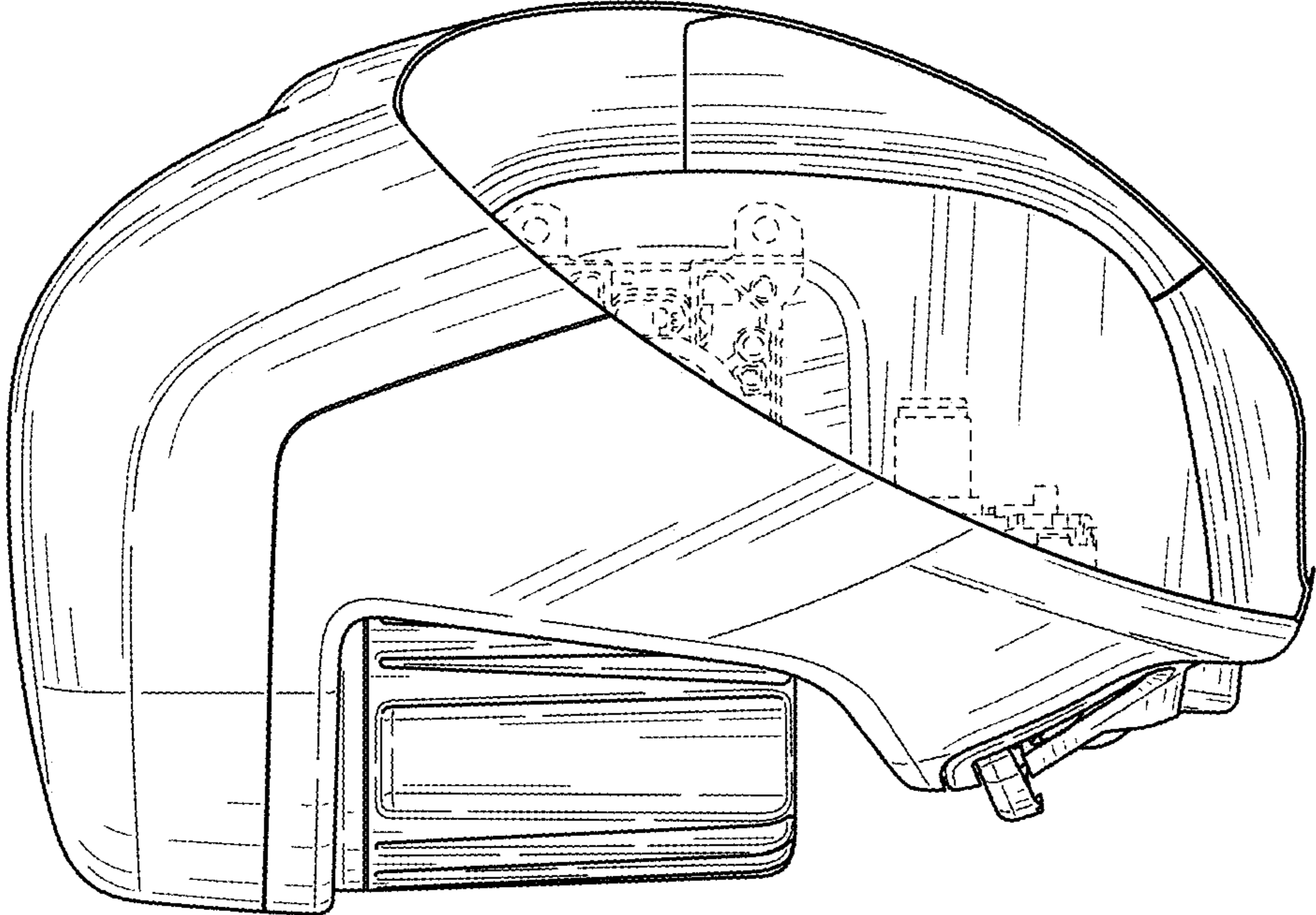


FIG. 11

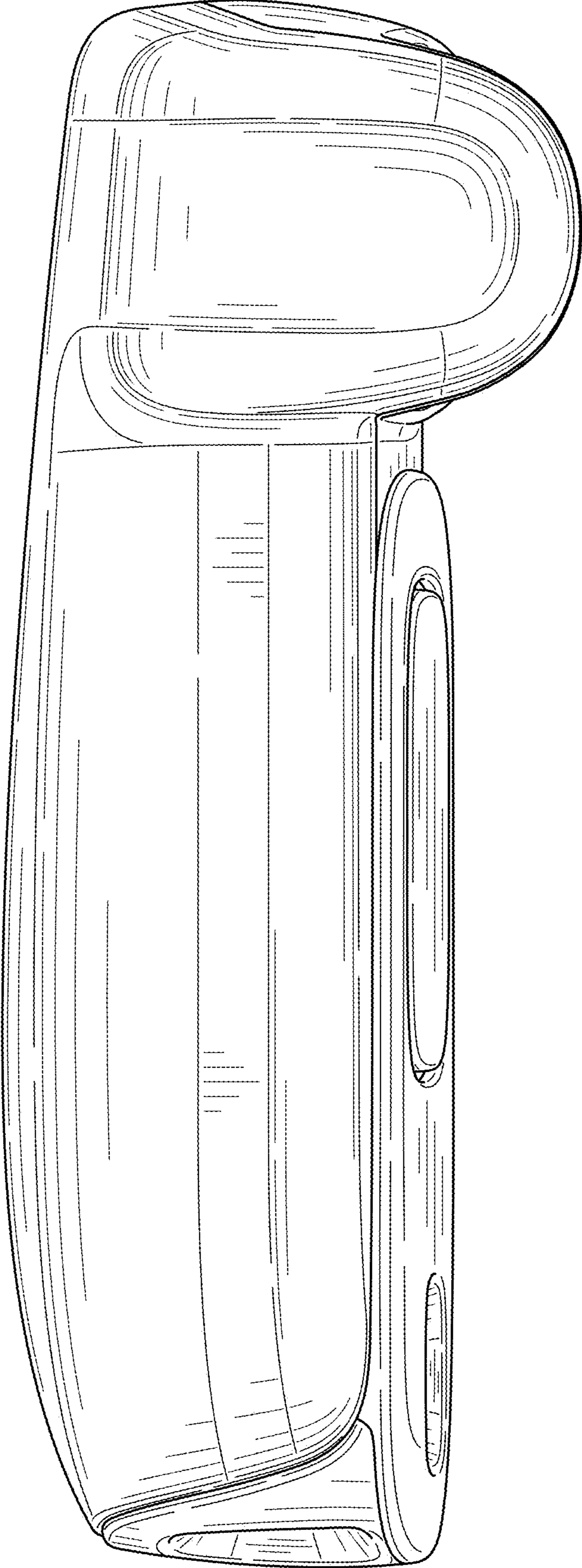


FIG. 13

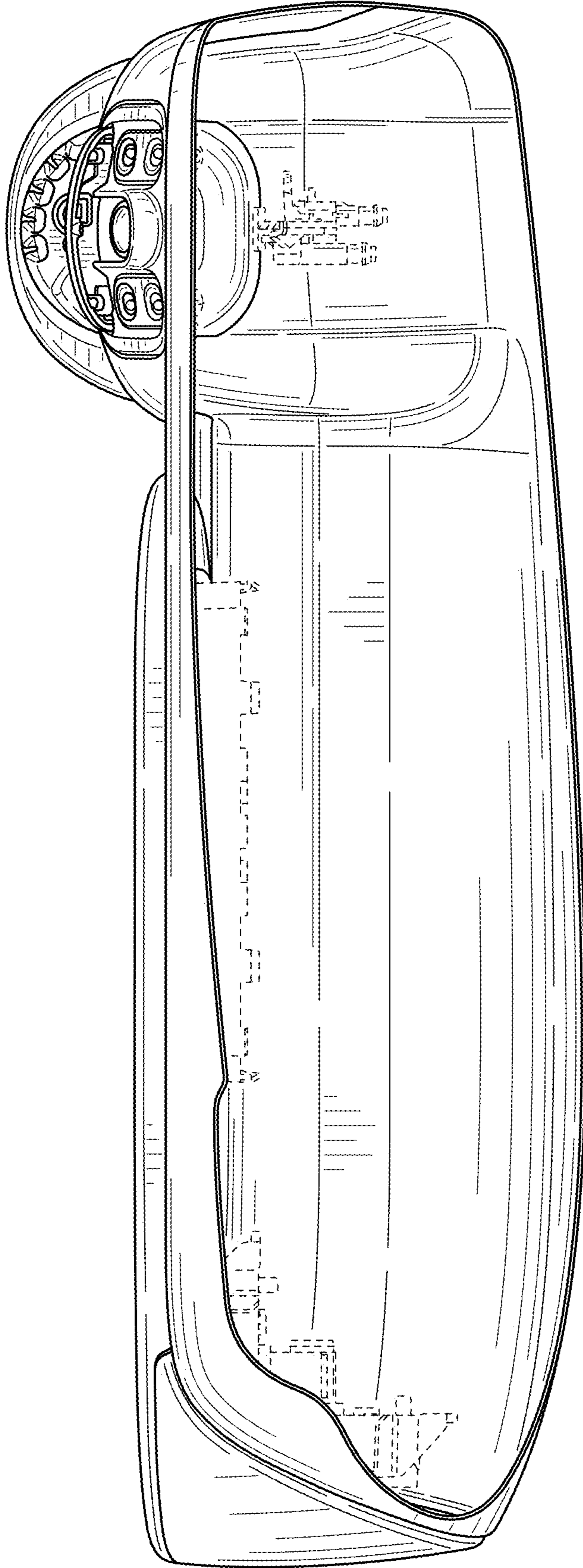


FIG. 14

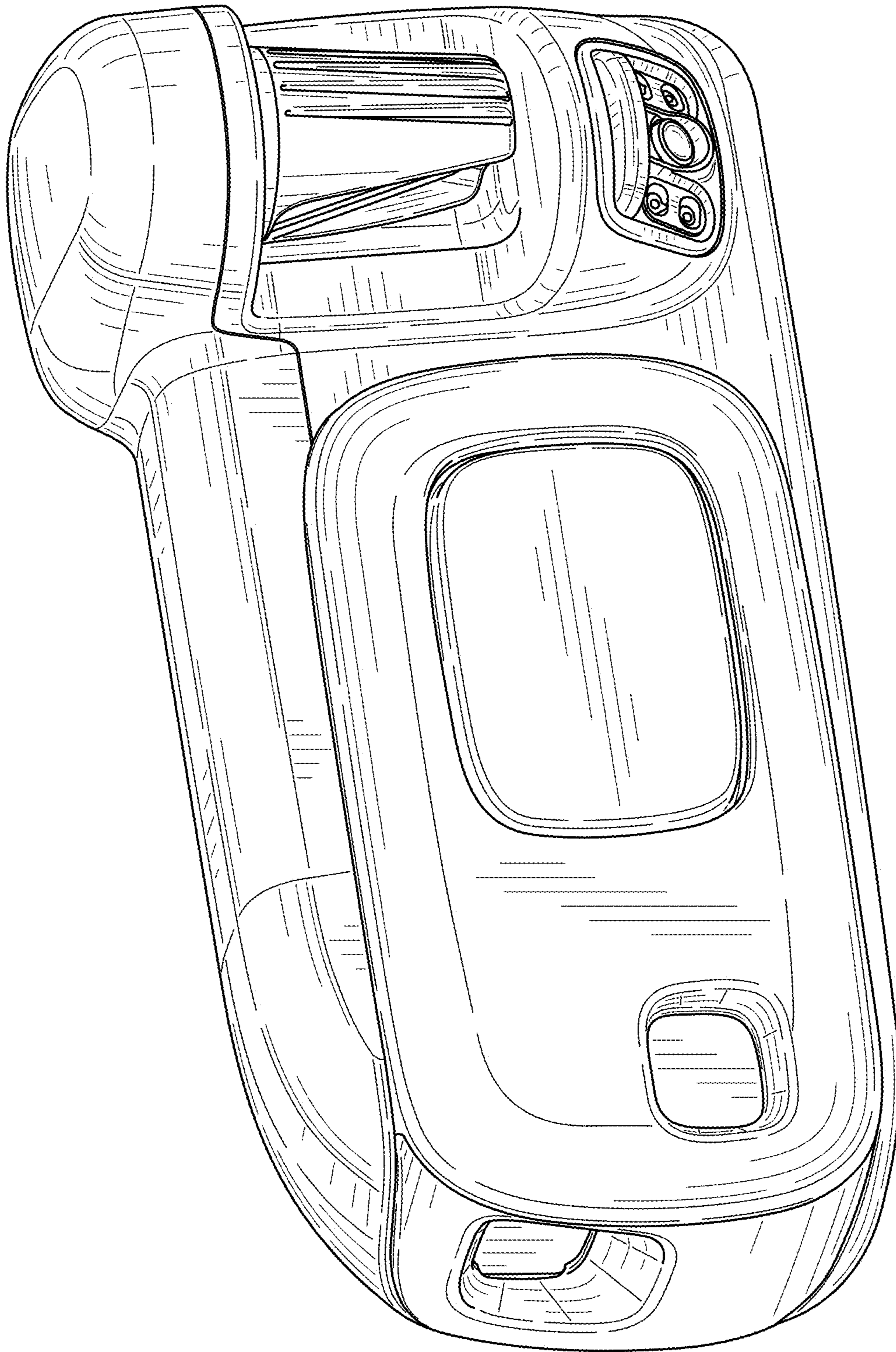


FIG. 15

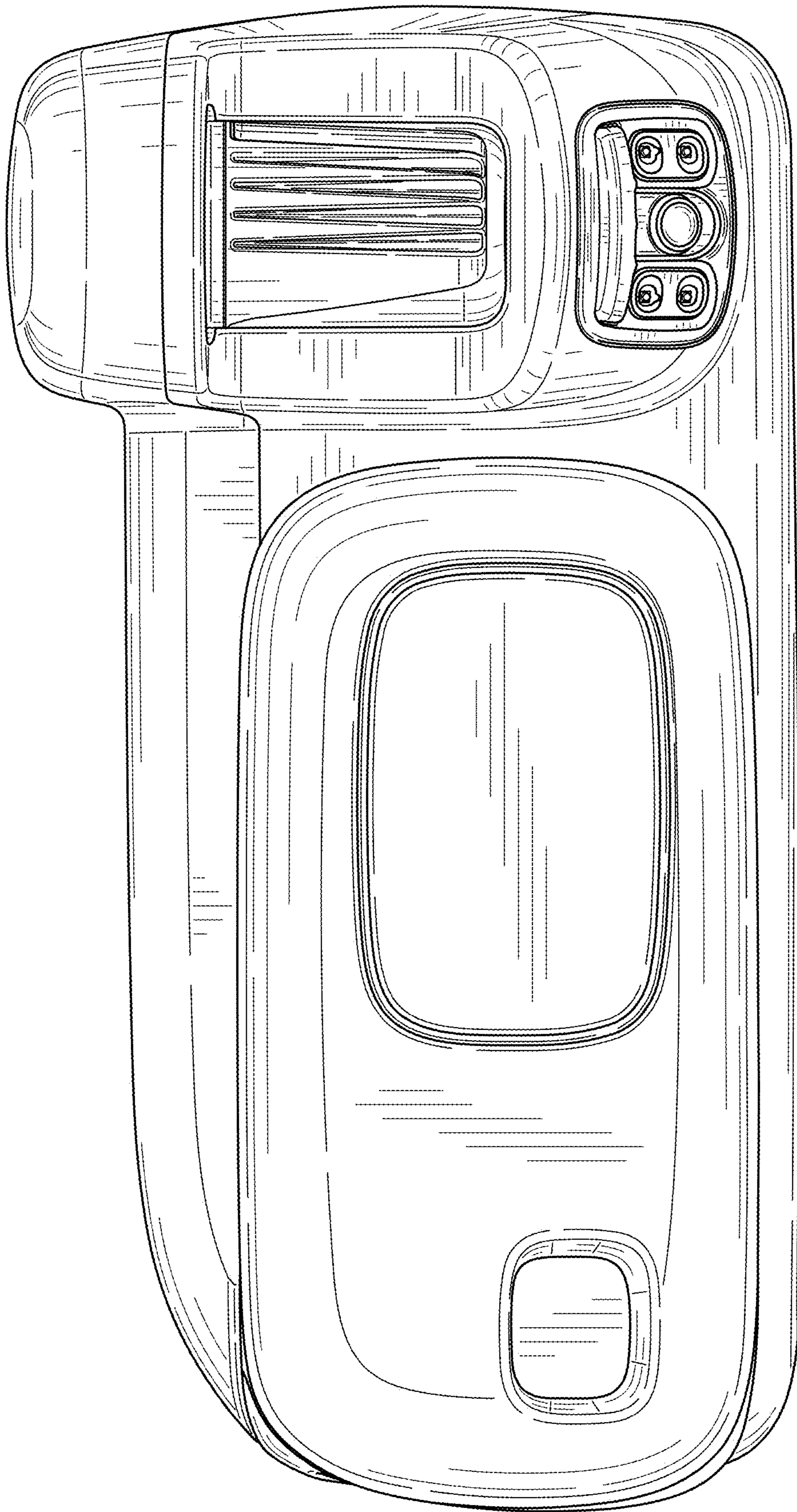


FIG. 16

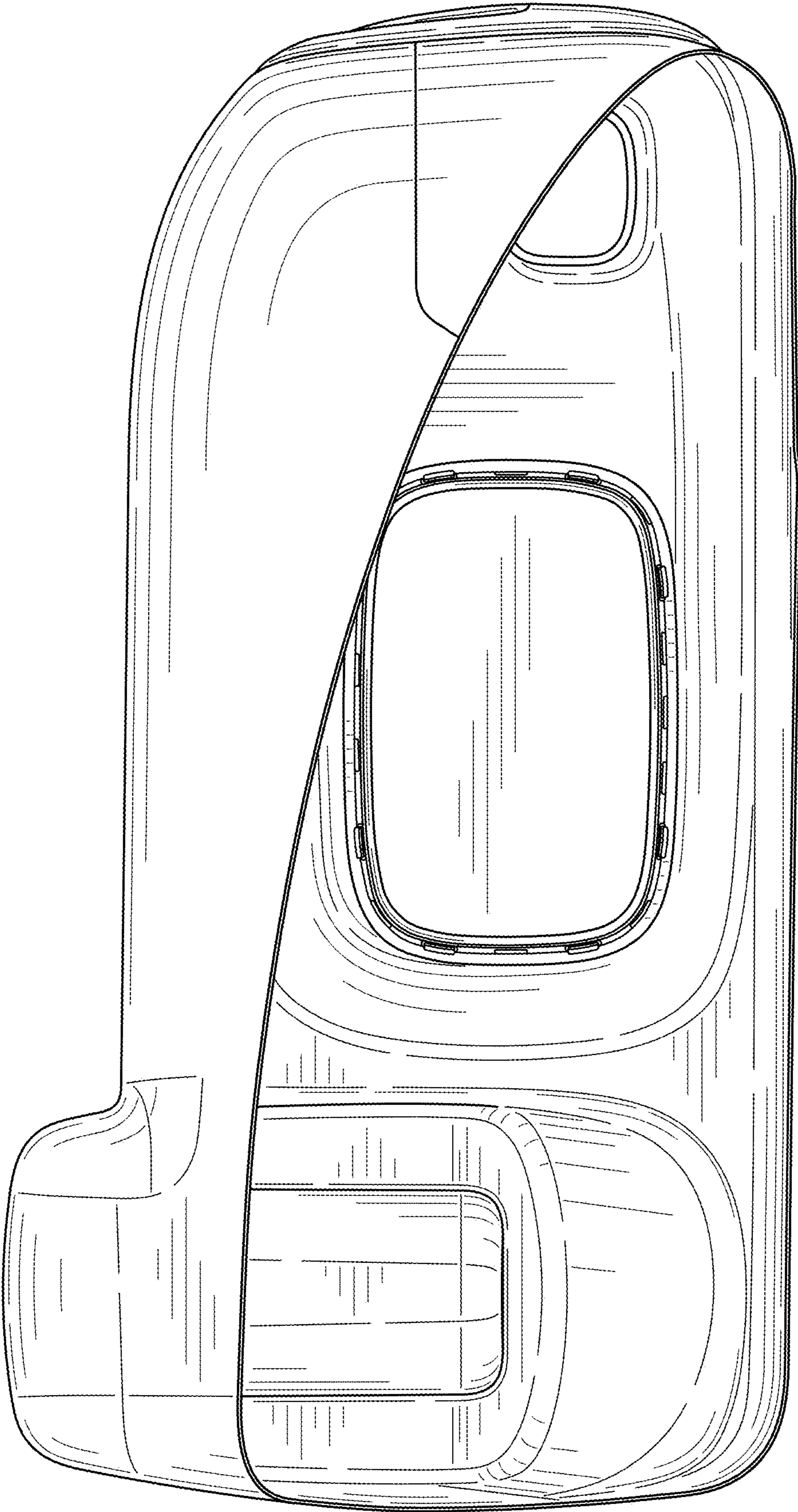


FIG. 17

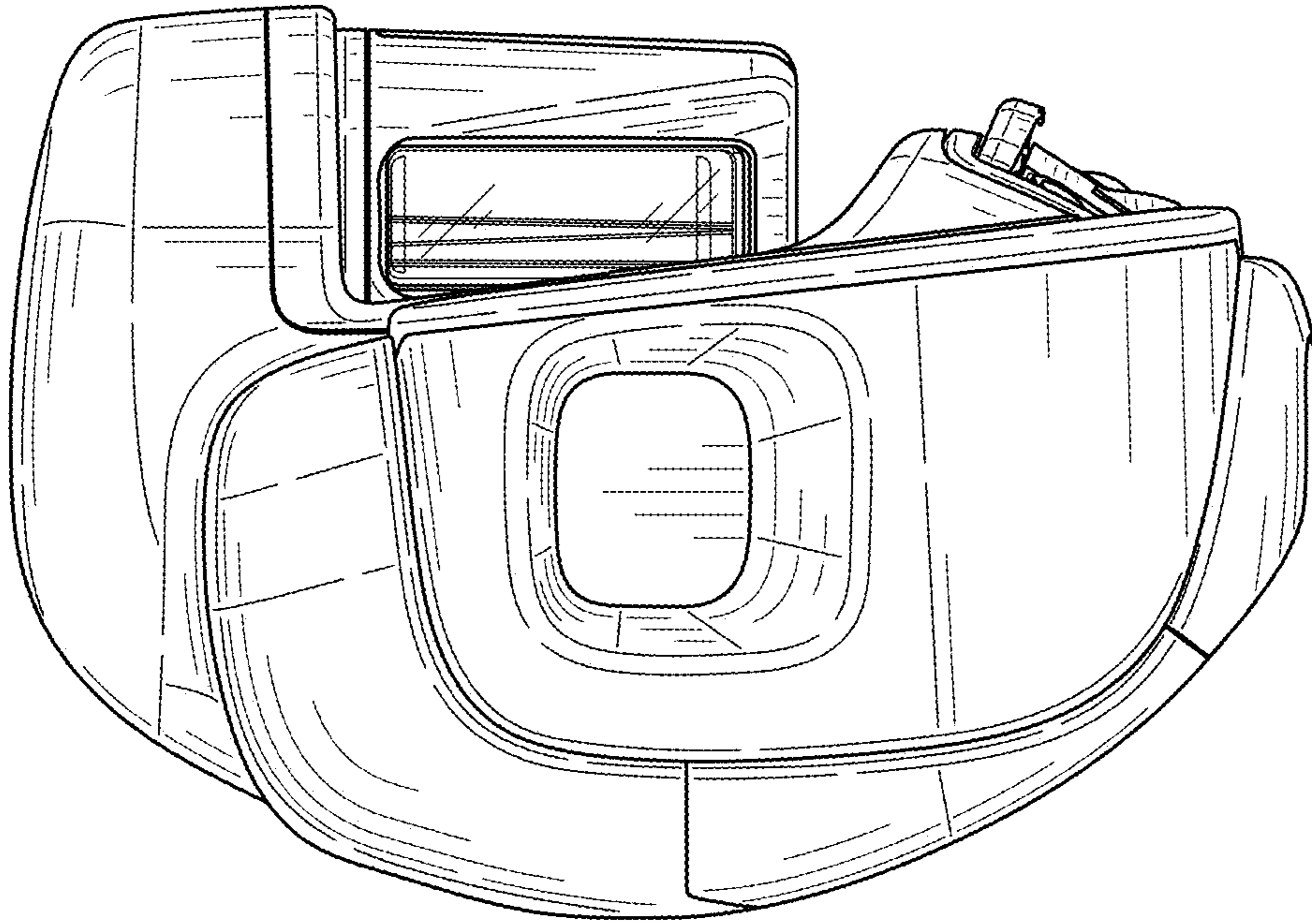


FIG. 19

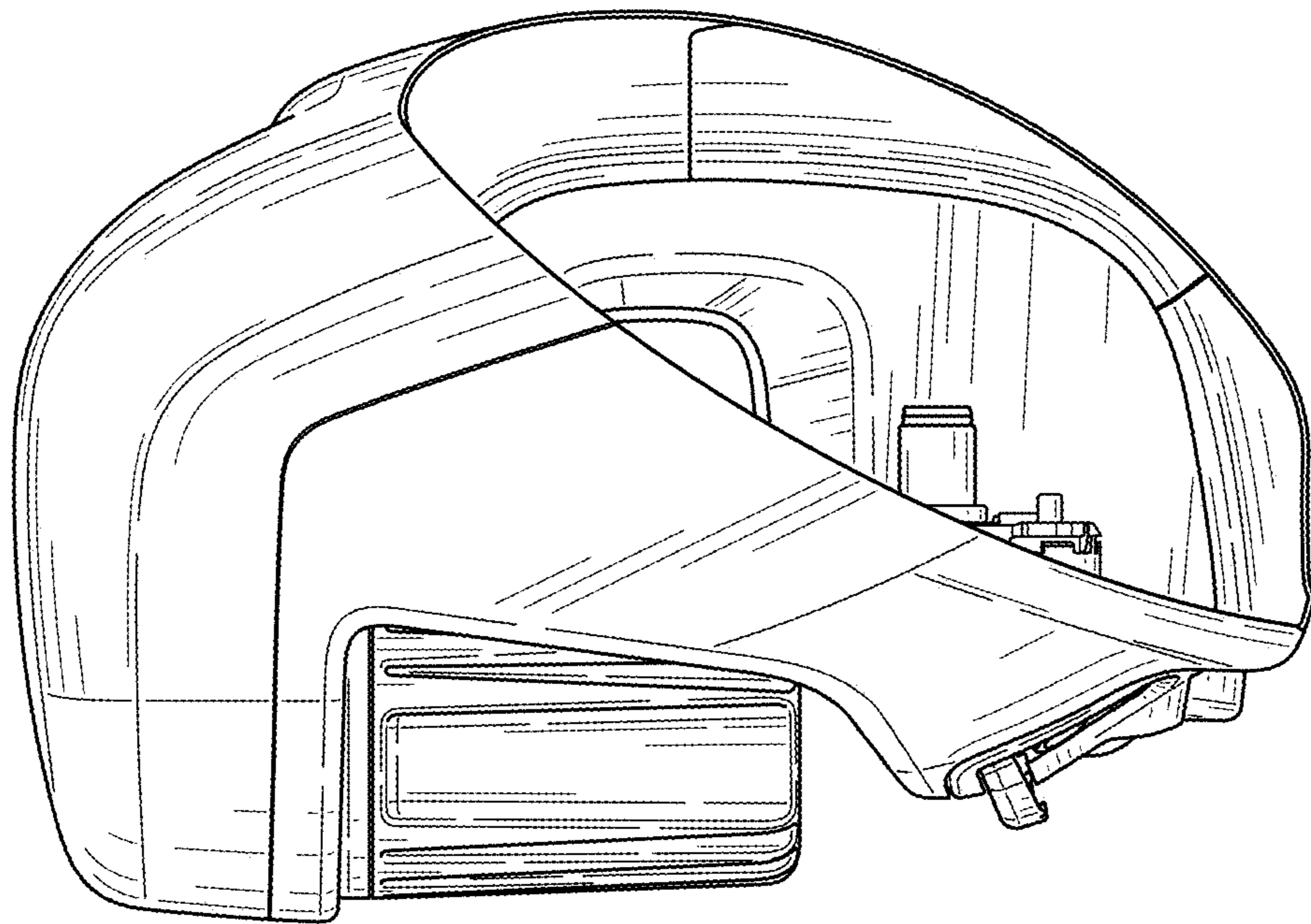


FIG. 18

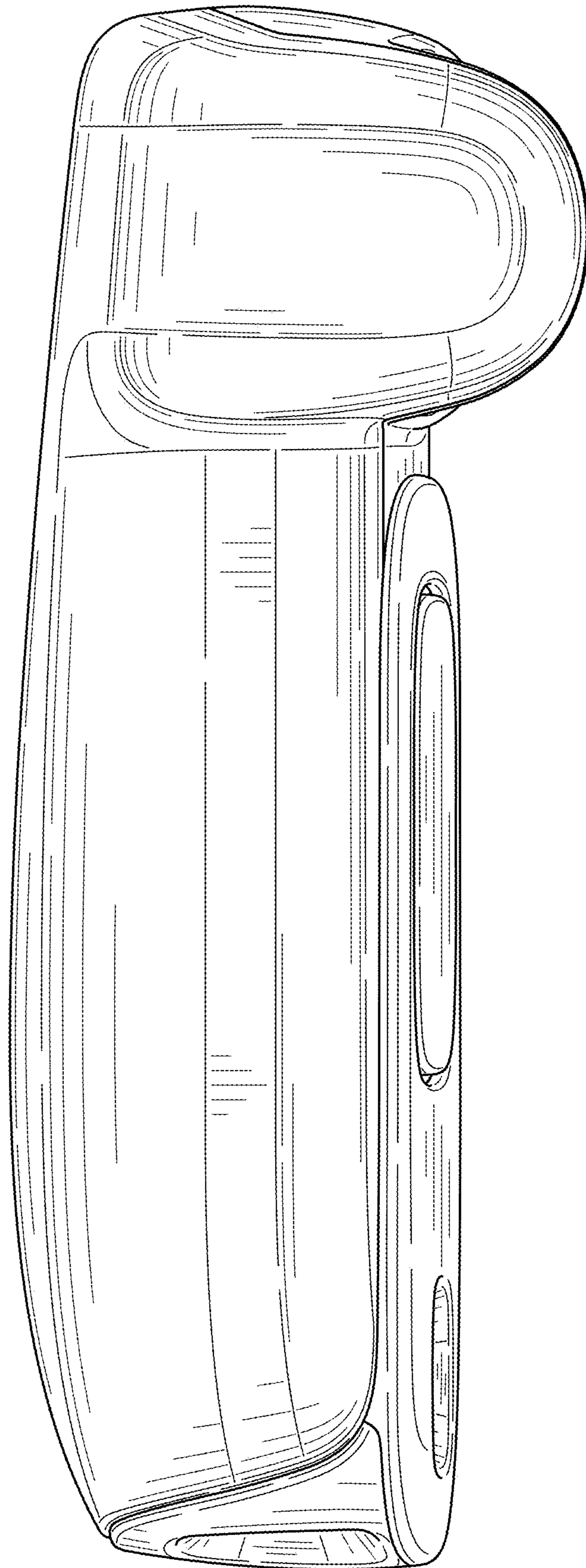


FIG. 20

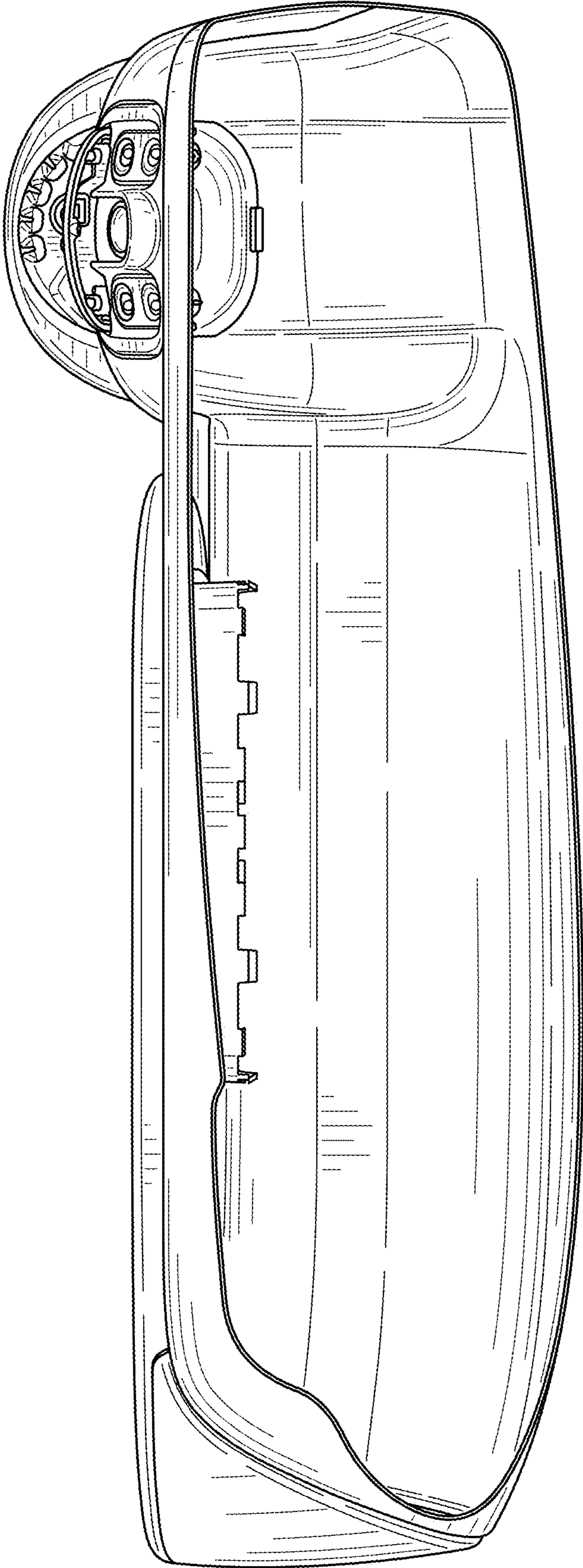


FIG. 21

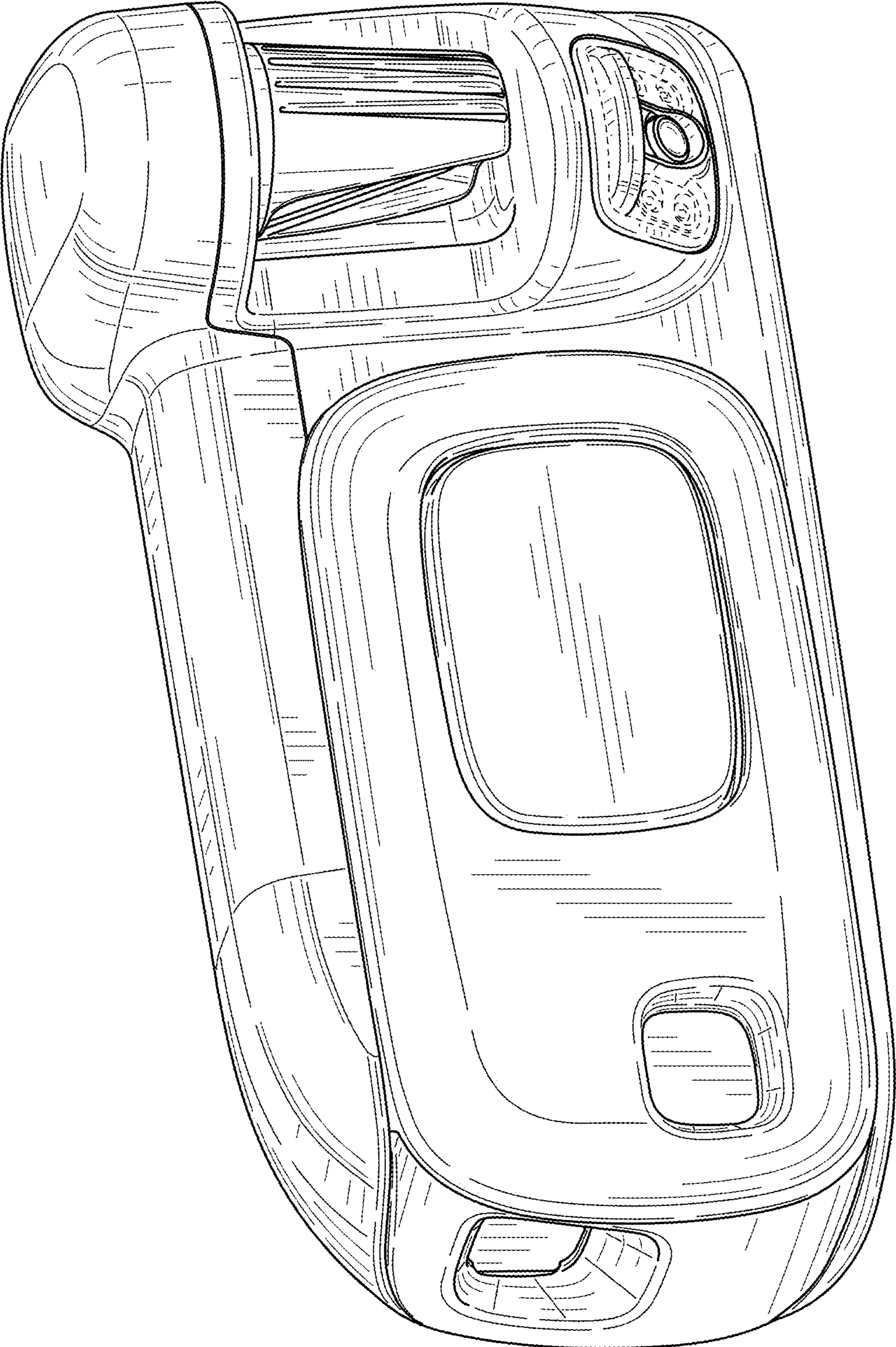


FIG. 22

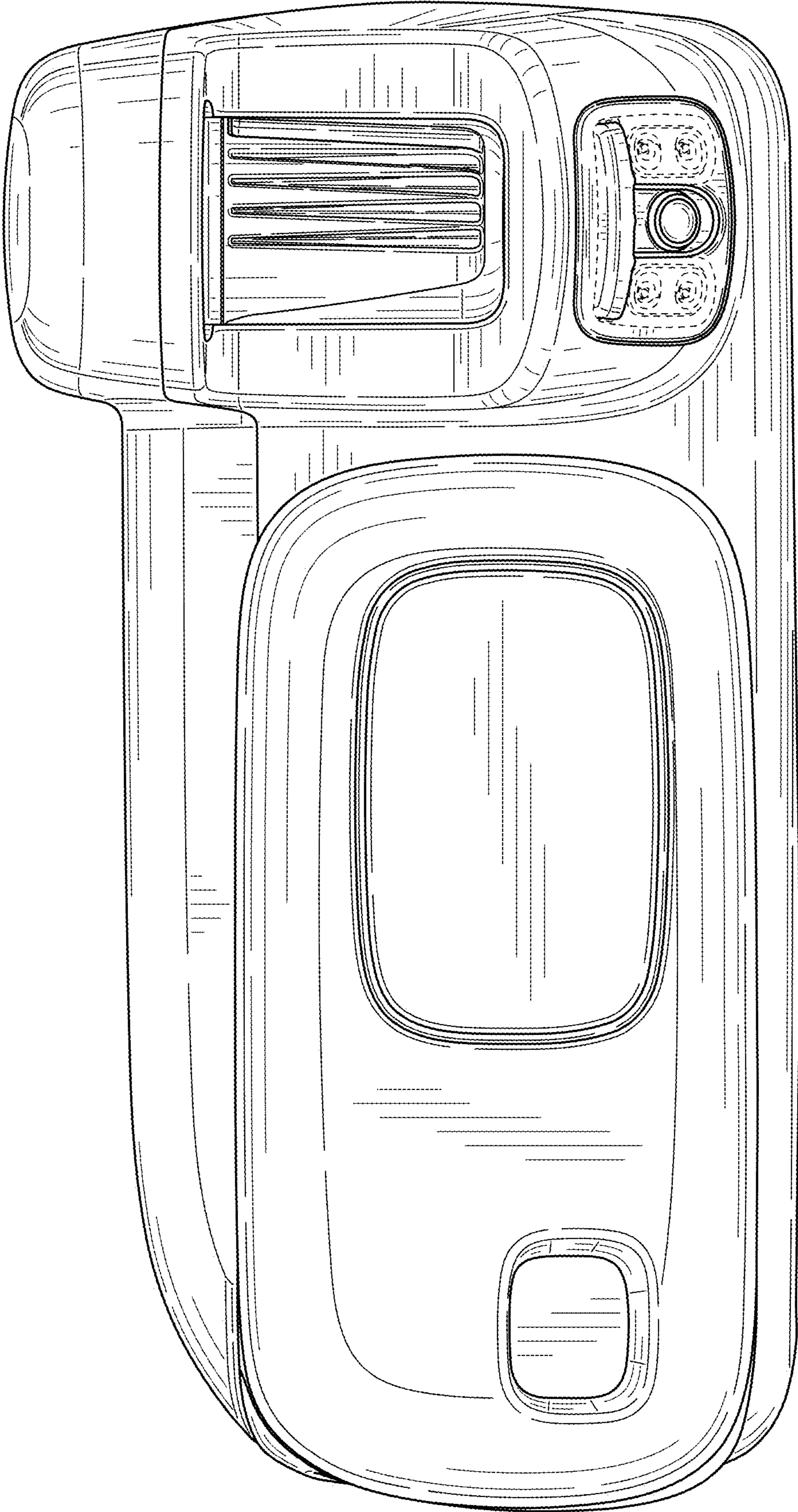


FIG. 23

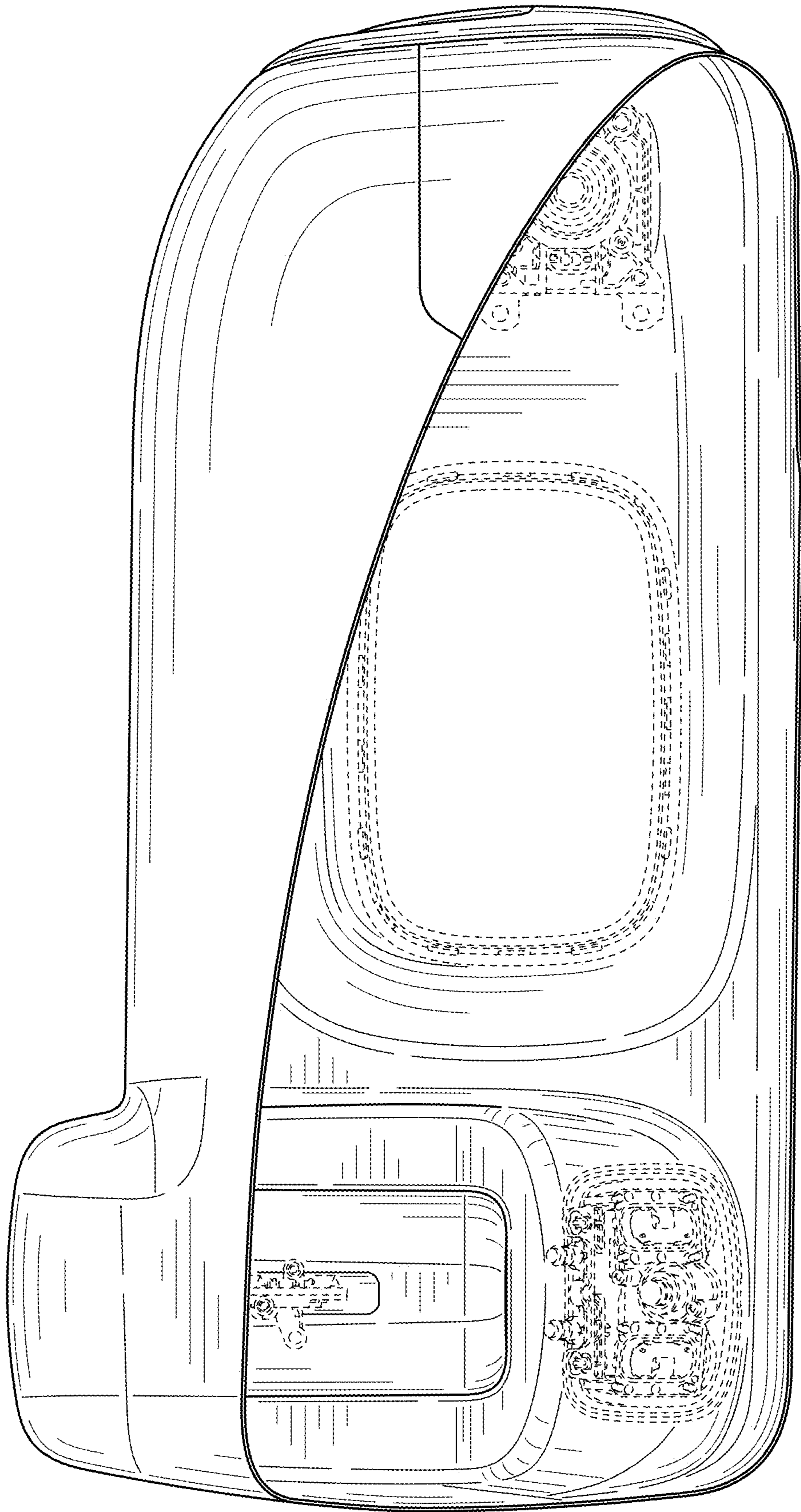


FIG. 24

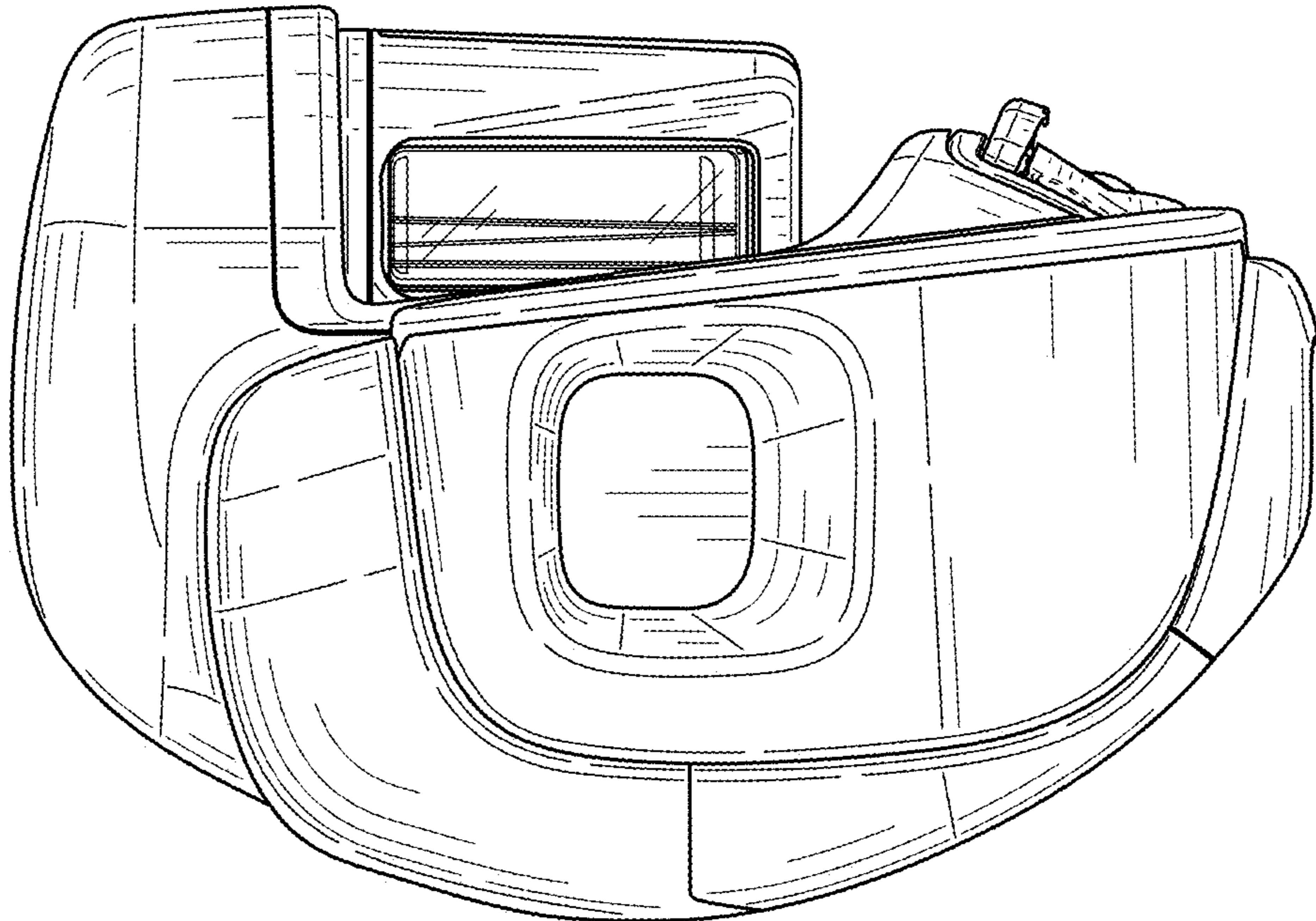


FIG. 26

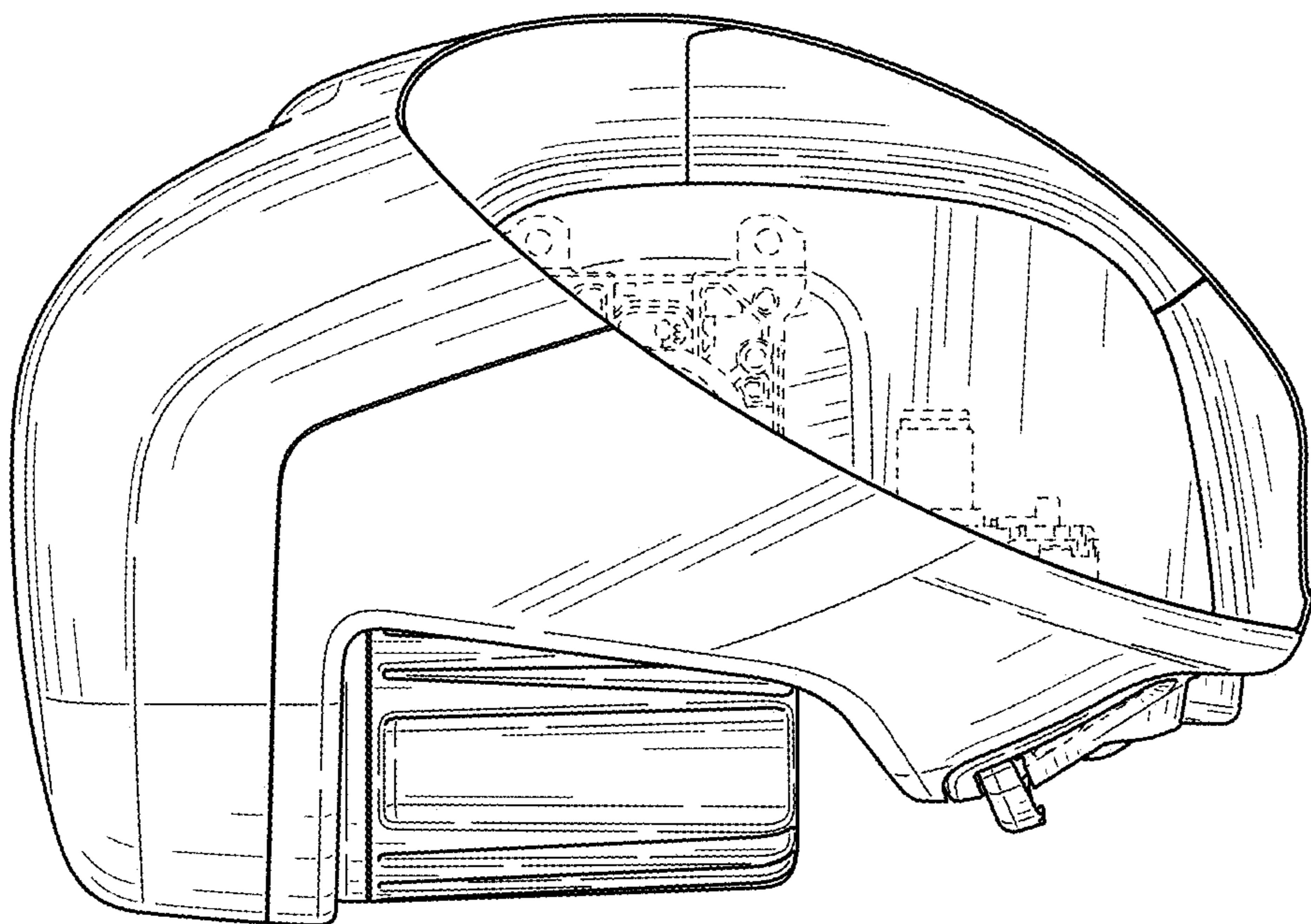


FIG. 25

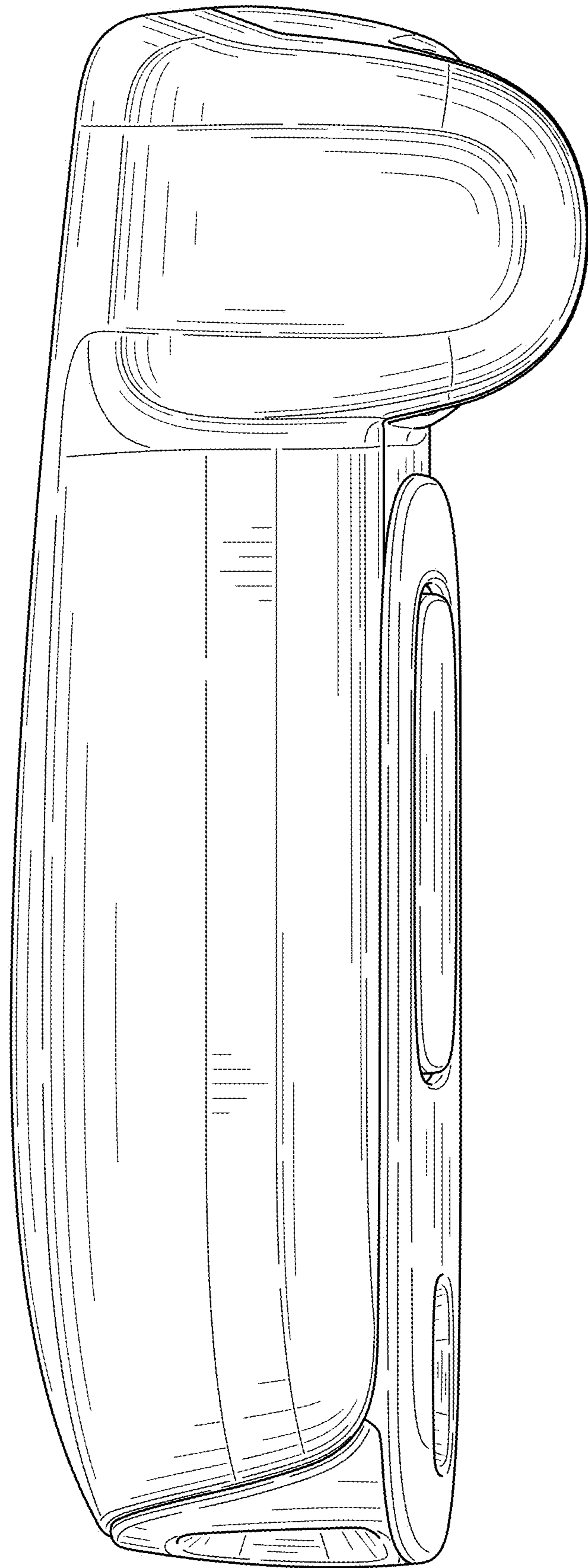


FIG. 27

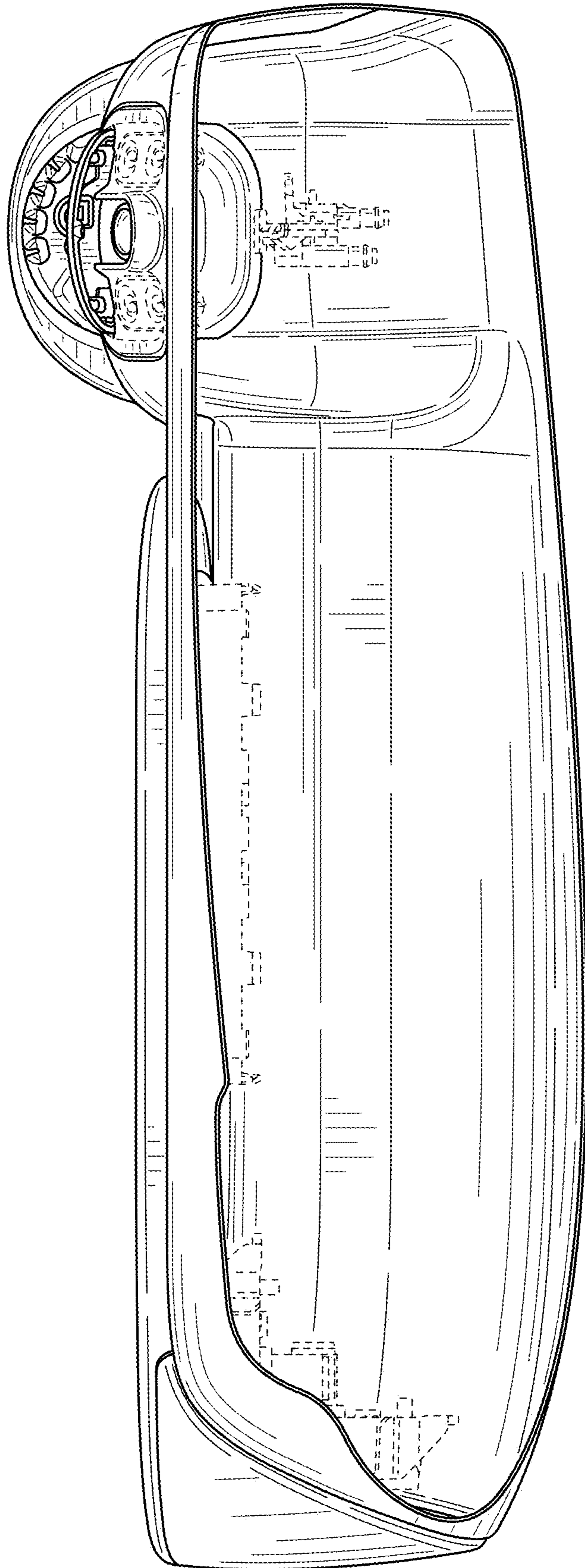


FIG. 28

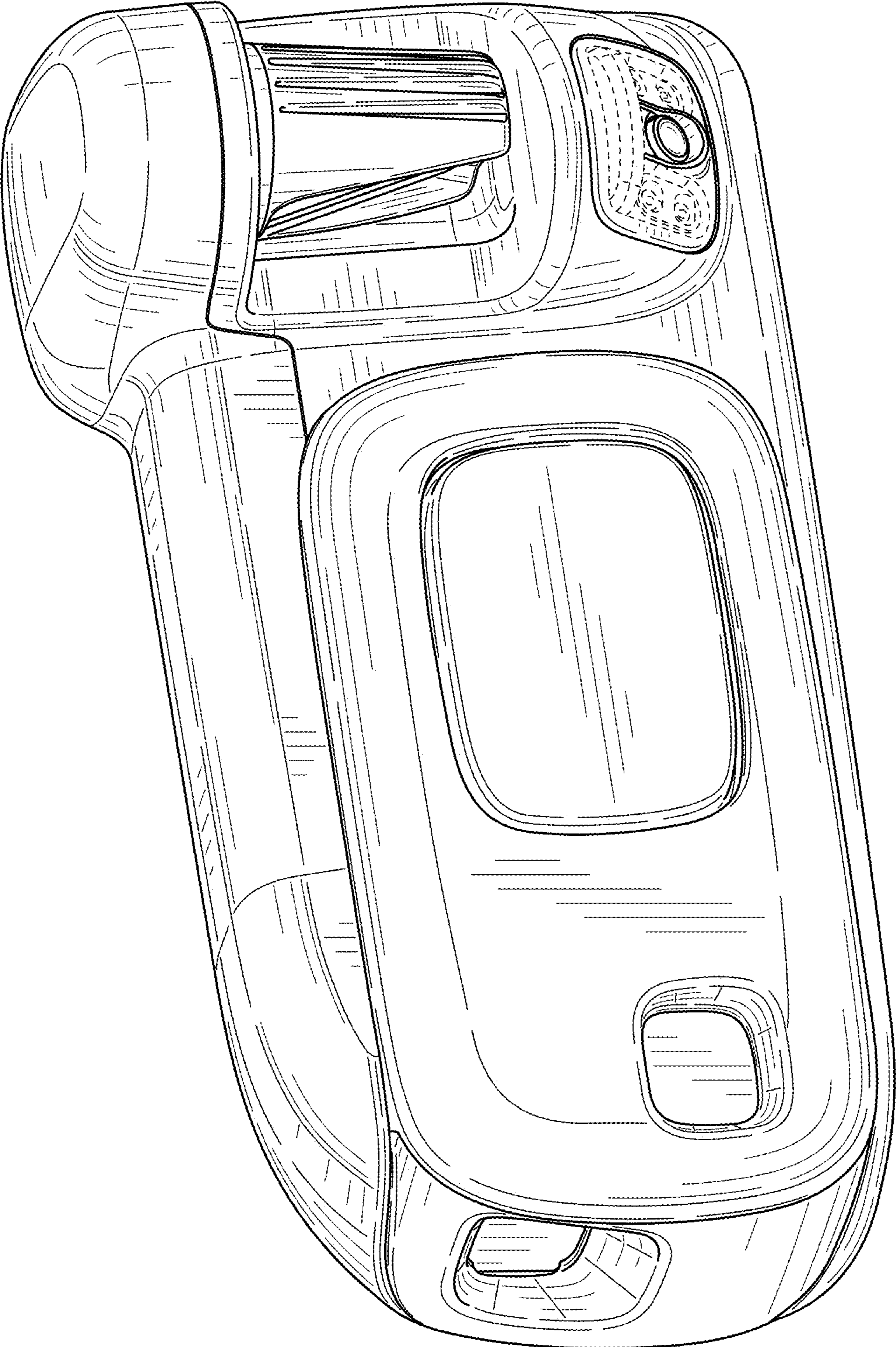


FIG. 29

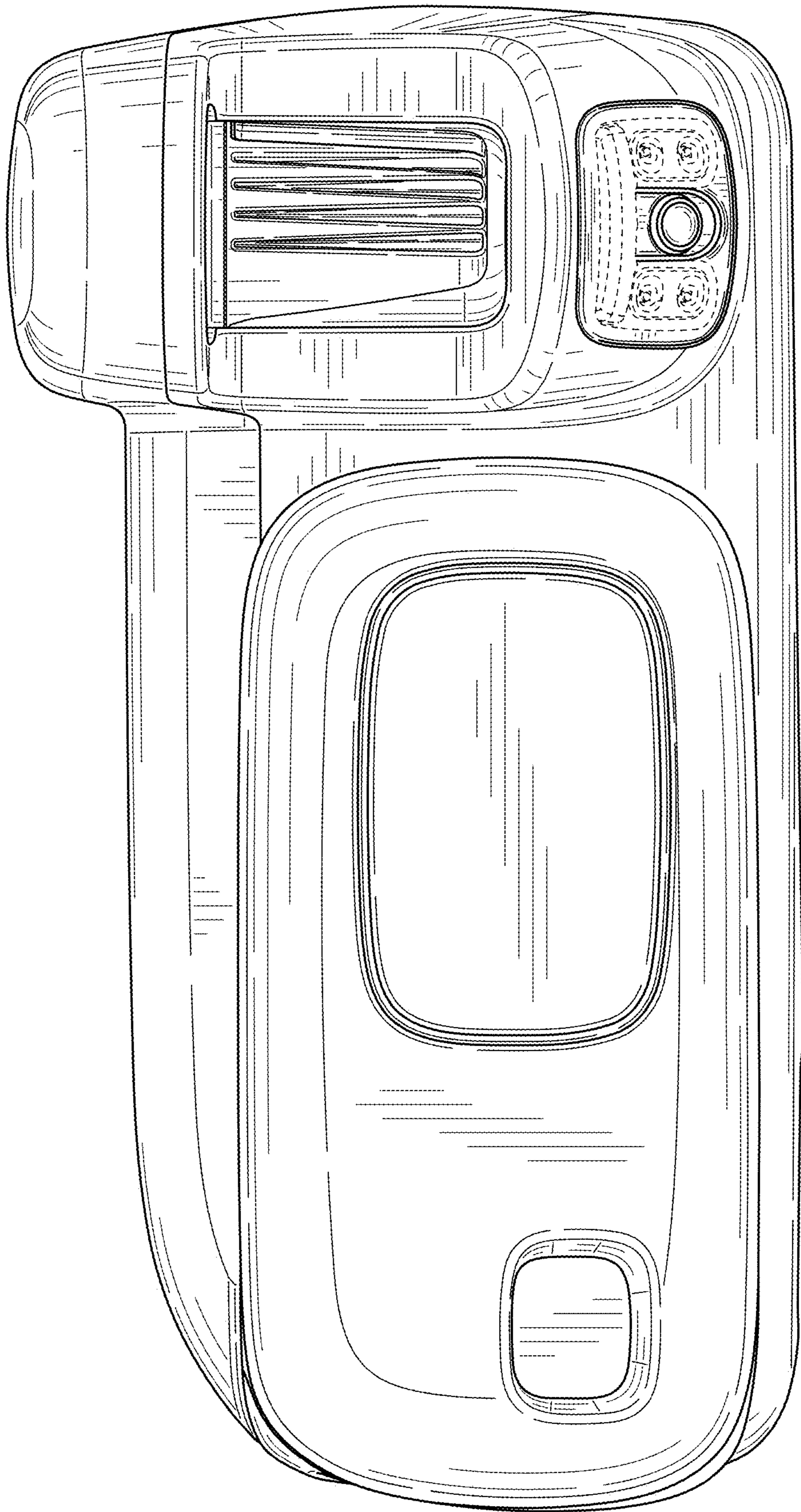


FIG. 30

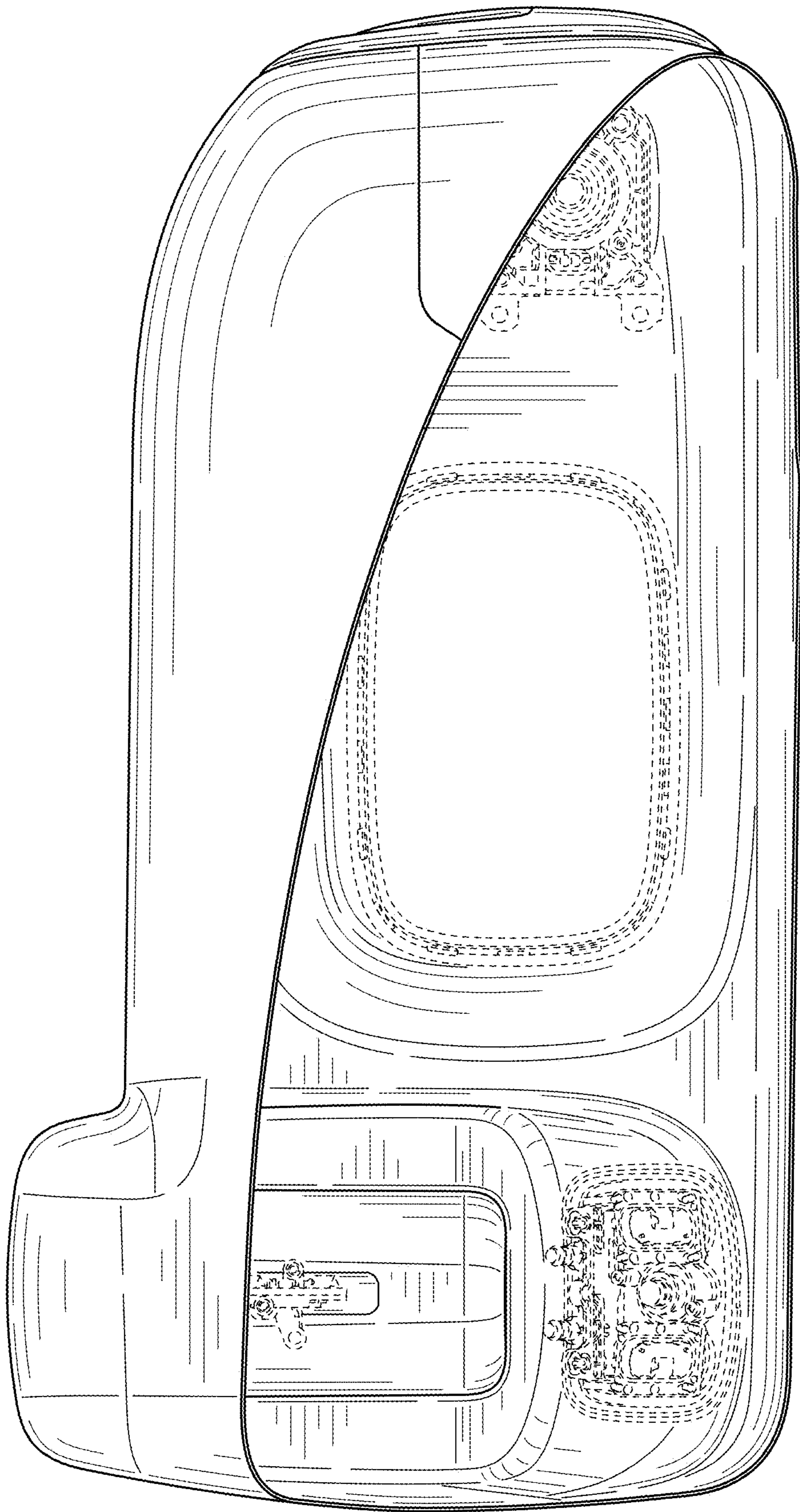


FIG. 31

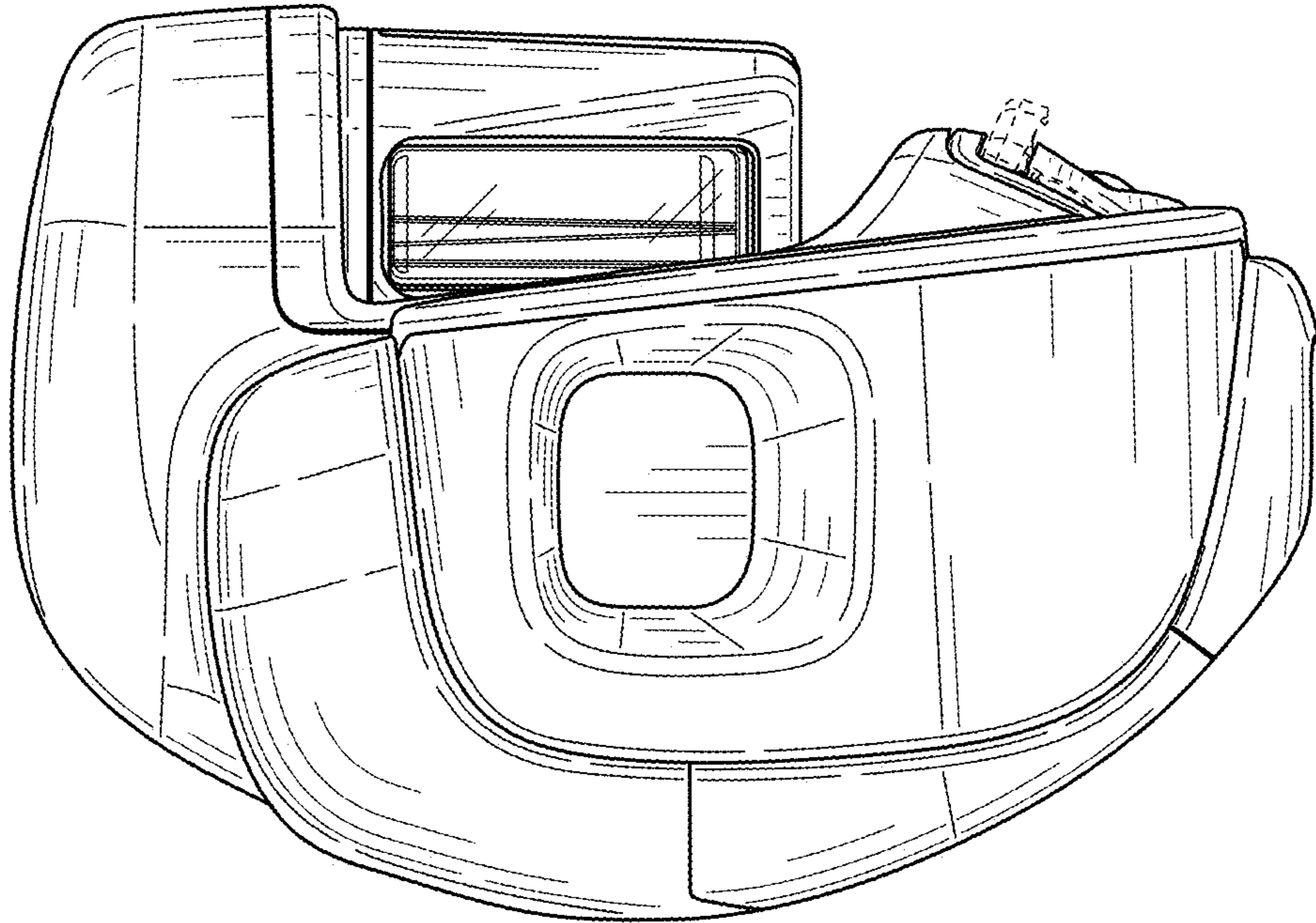


FIG. 33

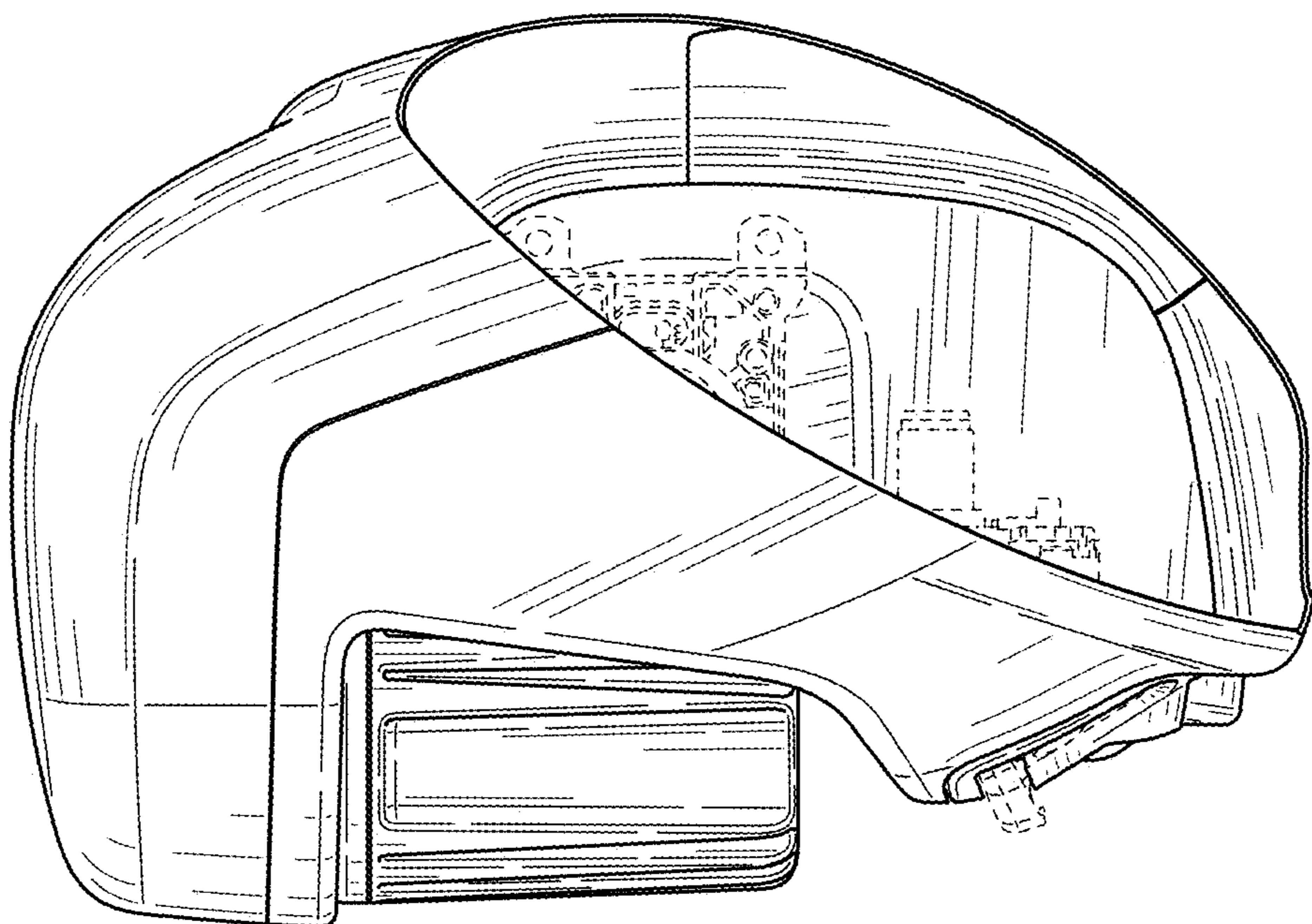


FIG. 32

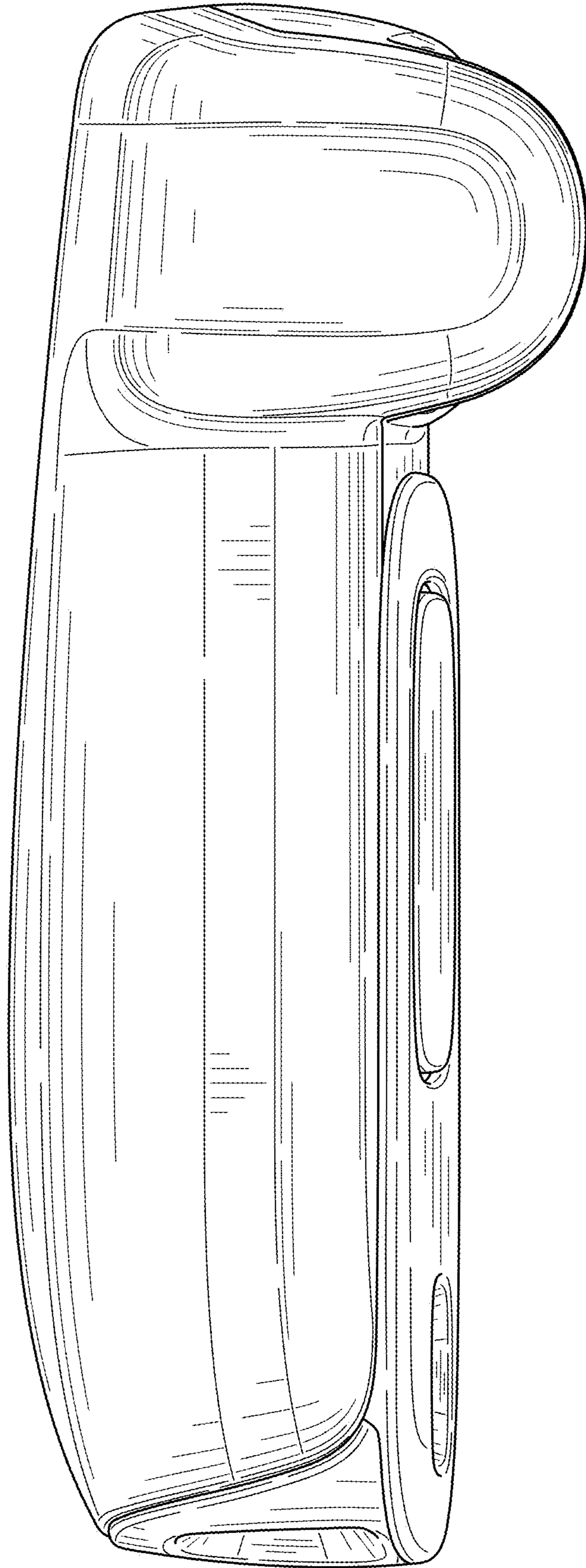


FIG. 34

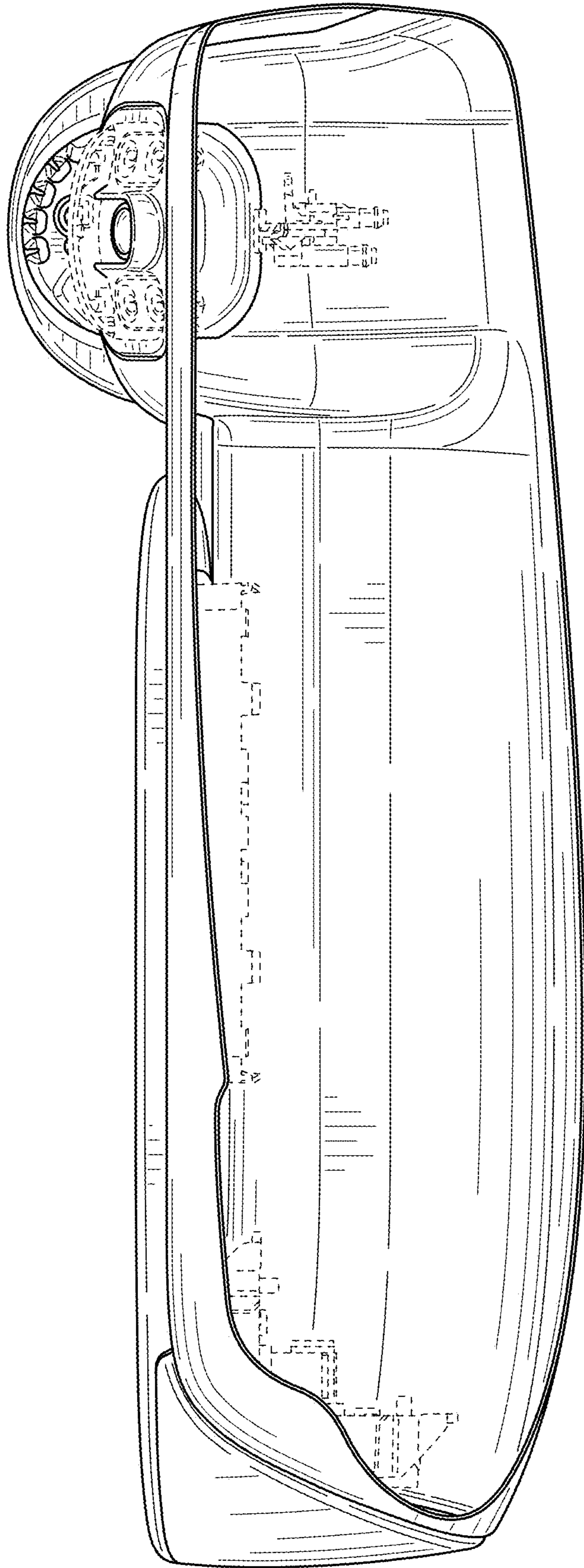


FIG. 35

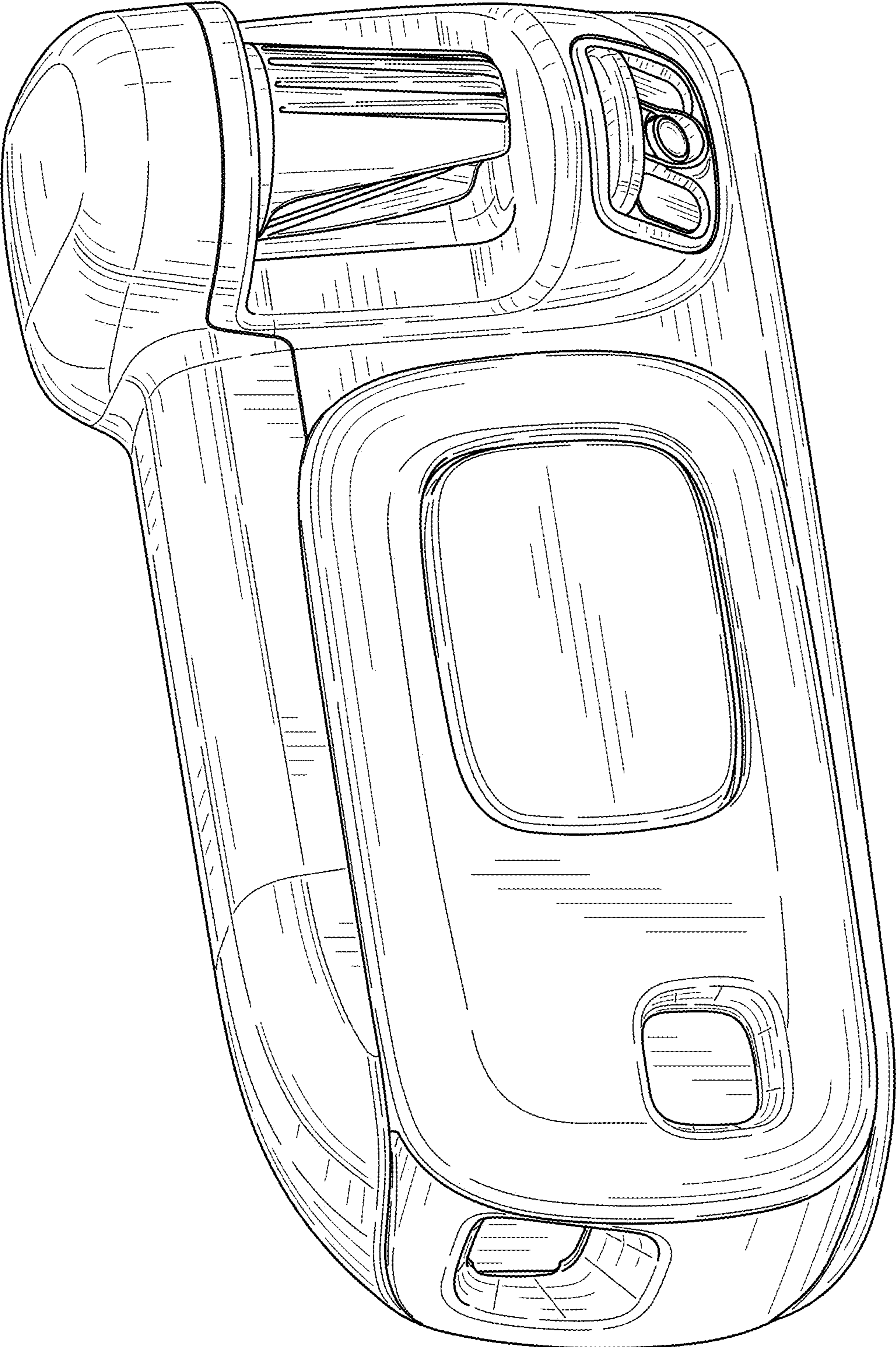


FIG. 36

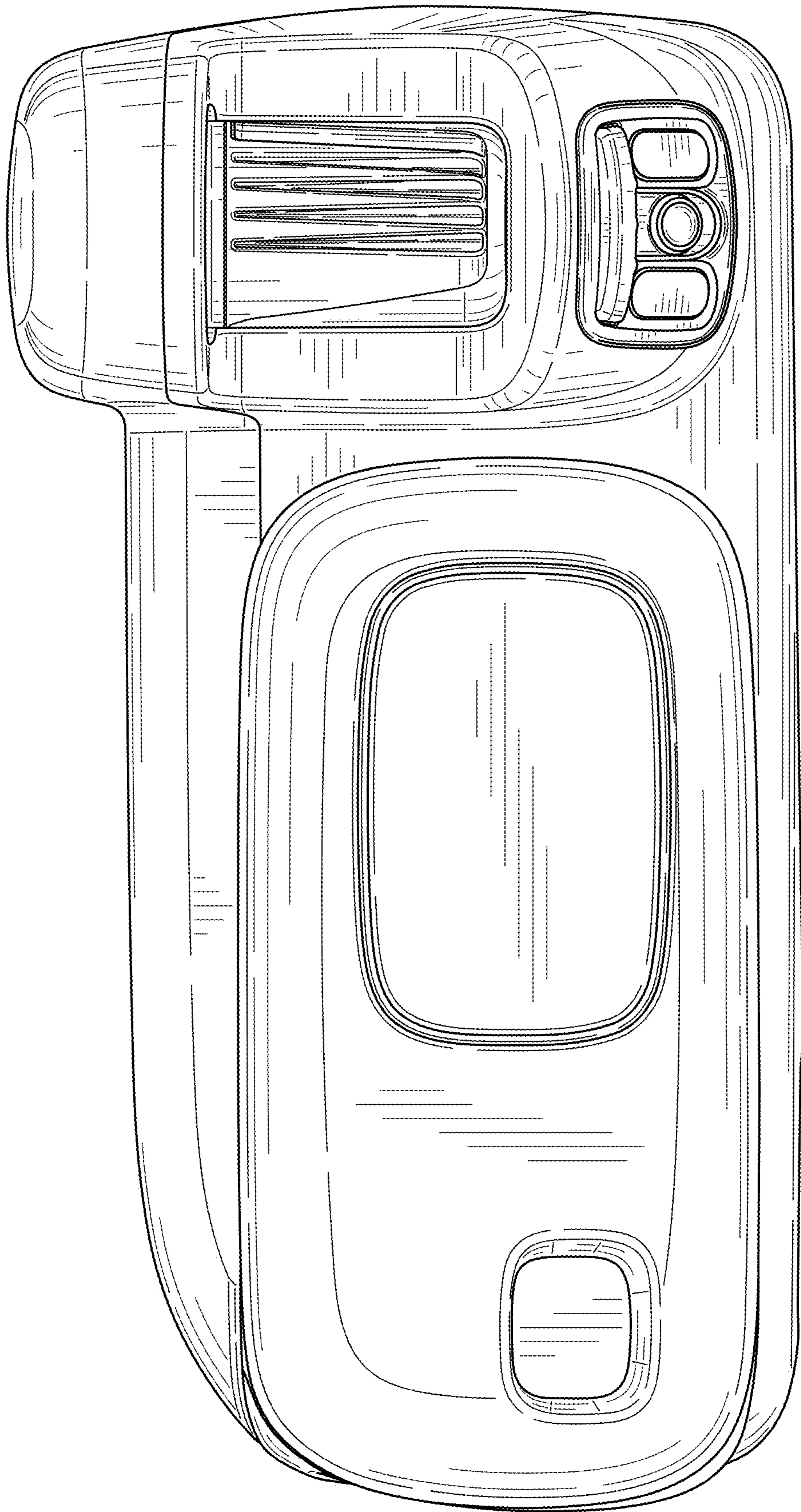


FIG. 37

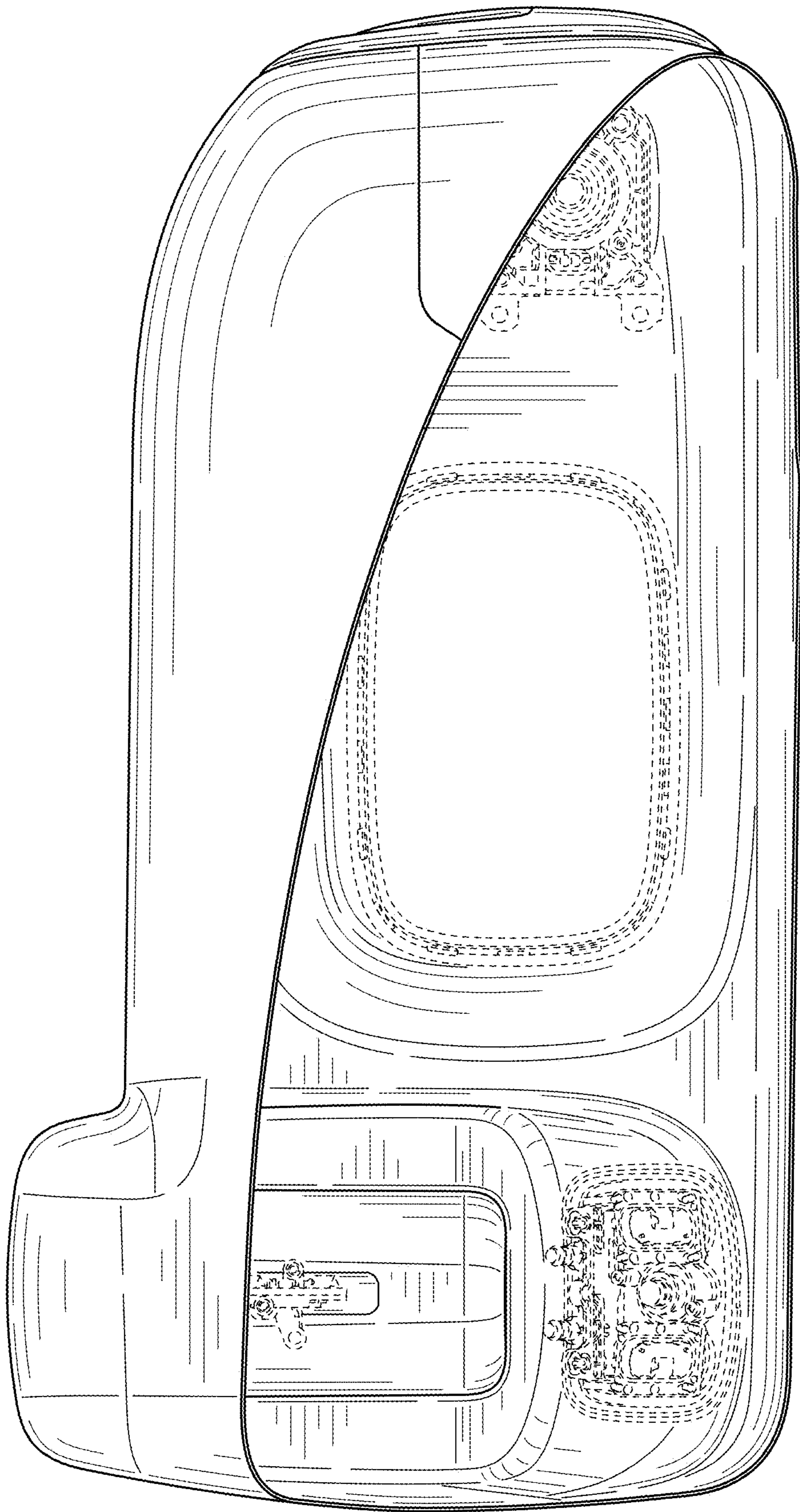


FIG. 38

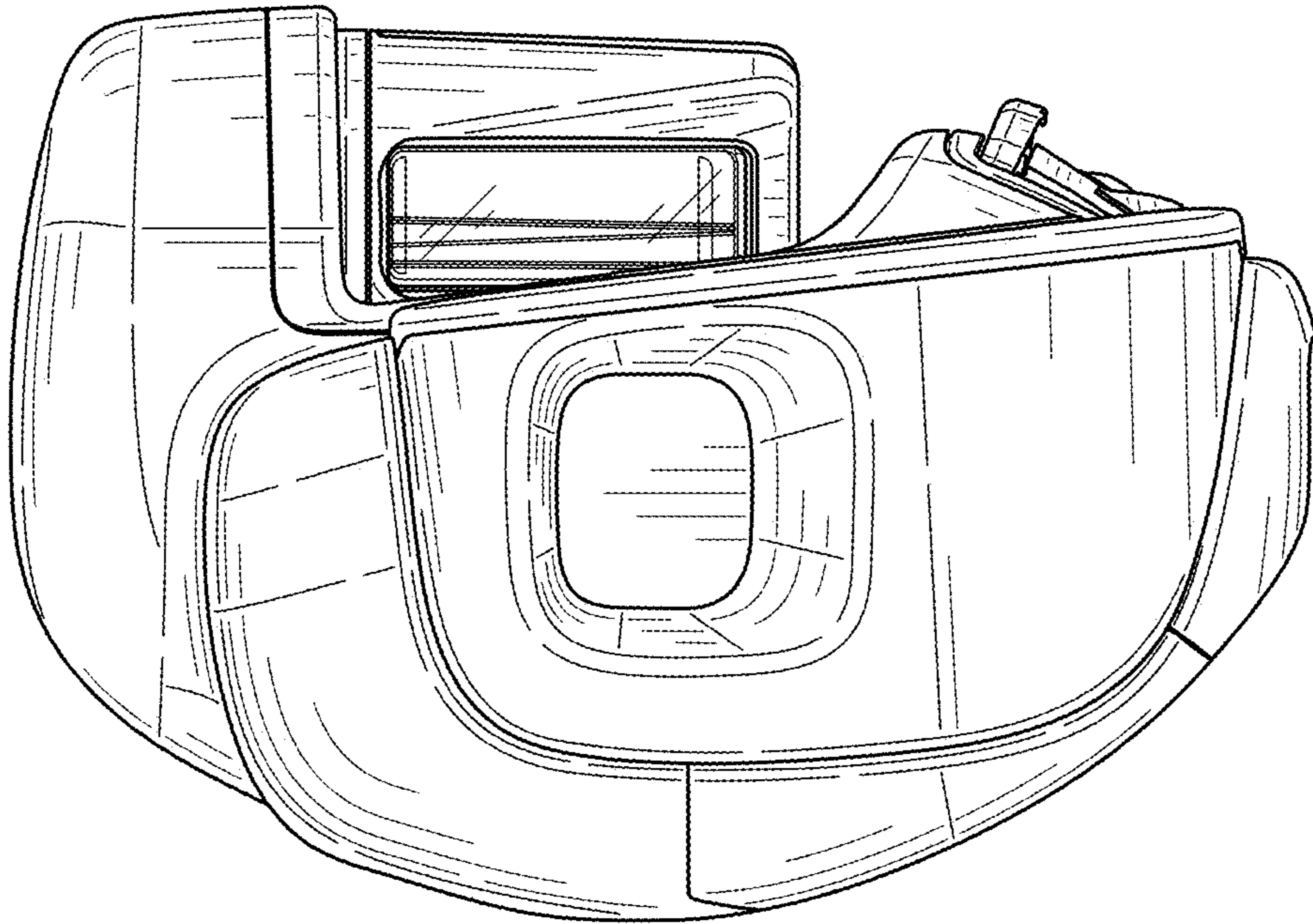


FIG. 40

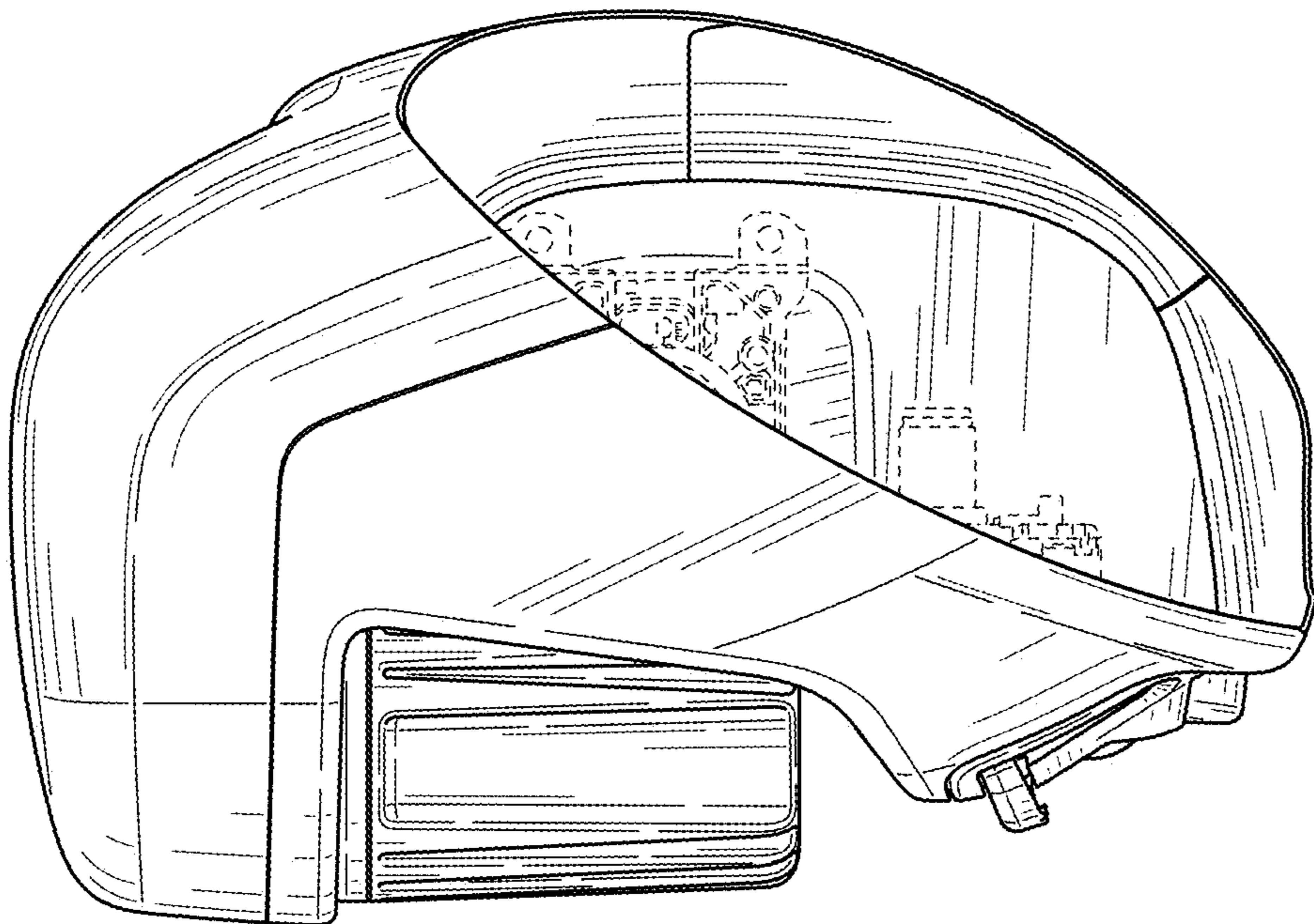


FIG. 39

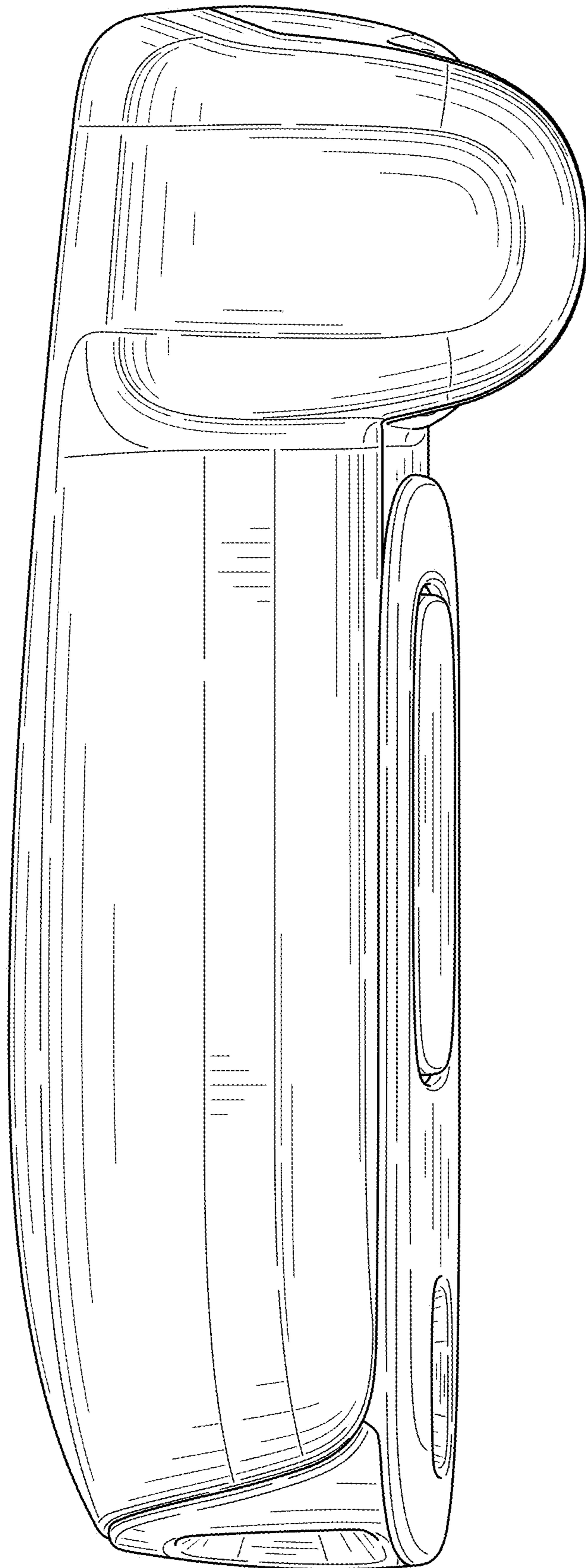


FIG. 41

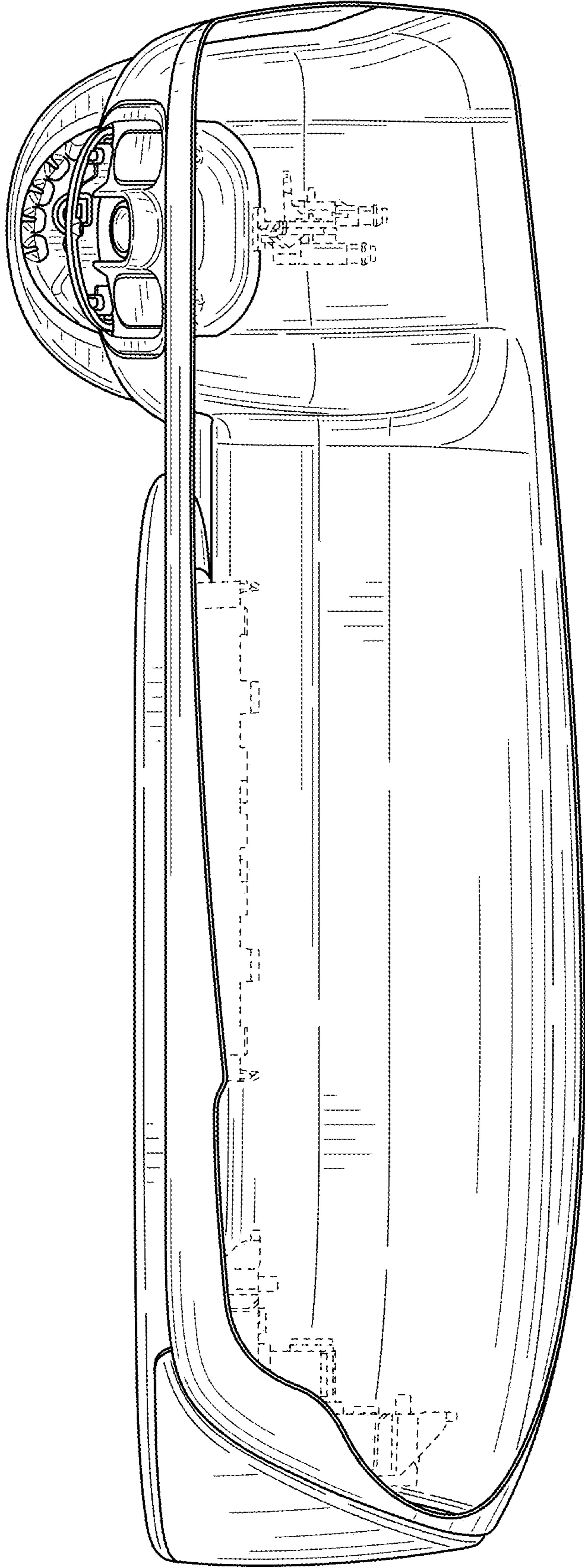


FIG. 42

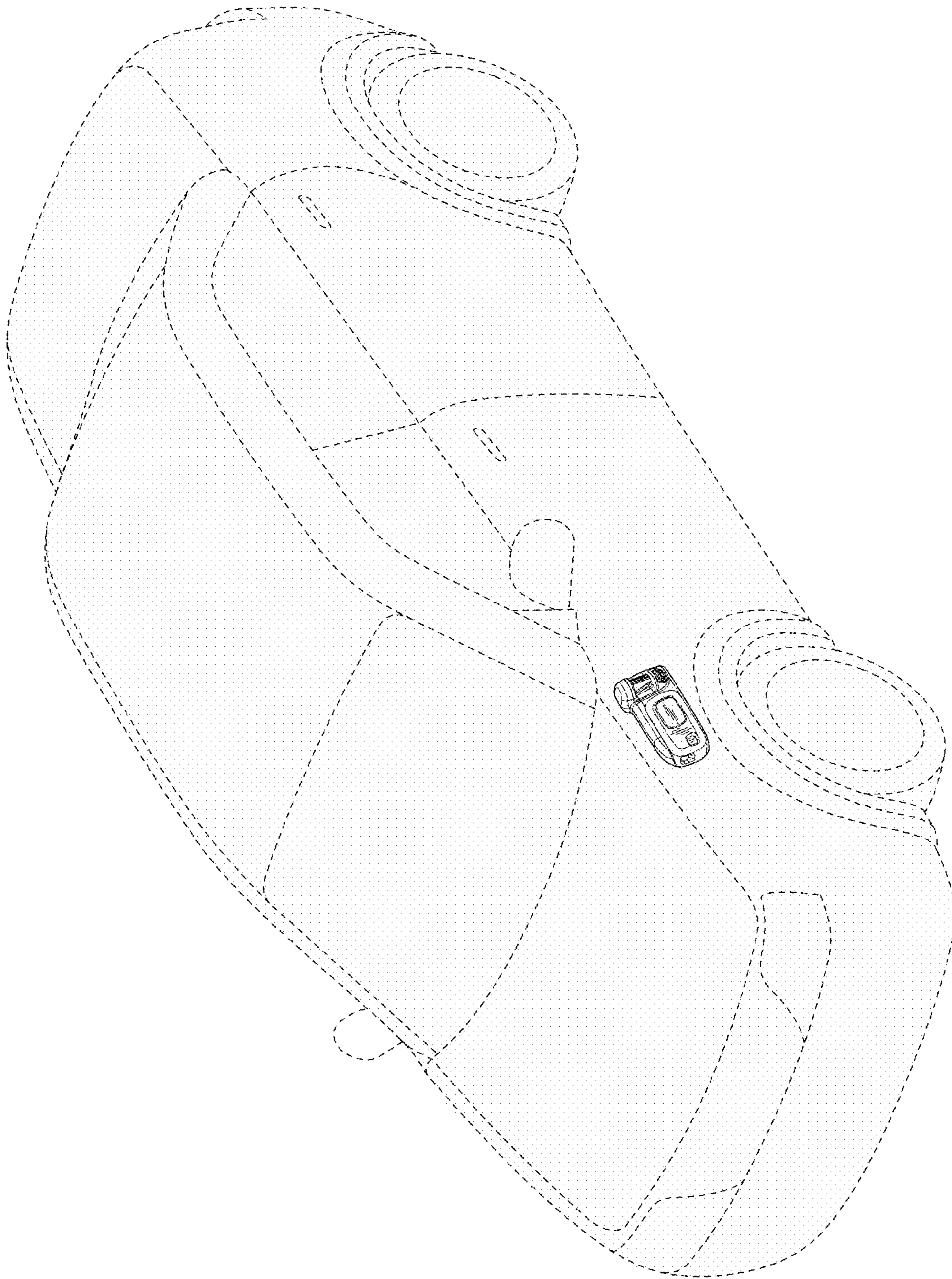


FIG. 43

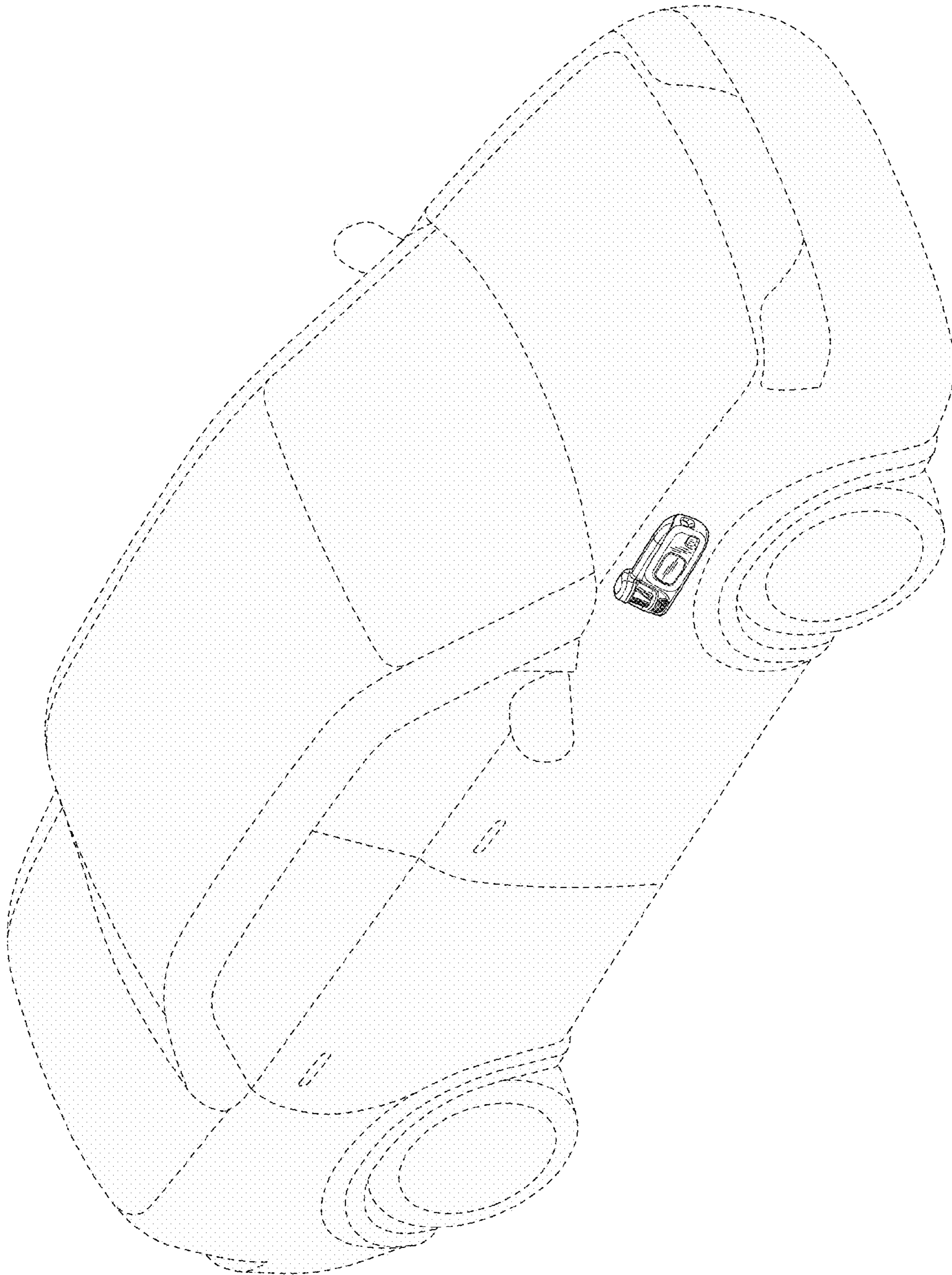


FIG. 44