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Liu et al.

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(54) **VACUUM CLEANER**

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

(58) **Field of Classification Search**
USPC D32/17, 18, 21, 22, 31; D21/526
CPC A47L 5/24; A47L 5/26; A47L 5/28; A47L 9/102; A47L 9/122; A47L 9/127; A47L 9/1608; A47L 9/1683; A47L 9/2857; A47L 9/2884; A47L 9/32; A47L 9/322; B04C 5/185; B08B 3/04; B01D 2279/55; B23Q 11/0046; B23Q 11/0071; E04H 4/1636; Y10T 29/49716
See application file for complete search history.

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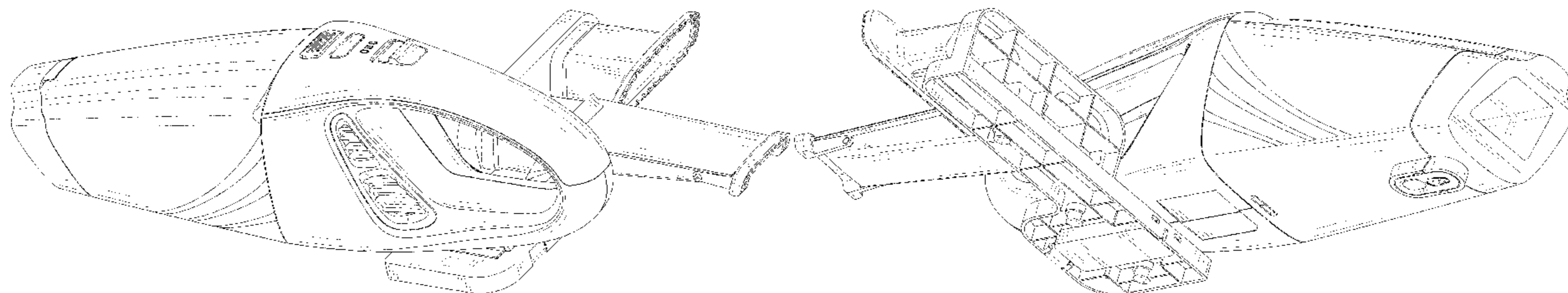
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner showing the new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the vacuum cleaner that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



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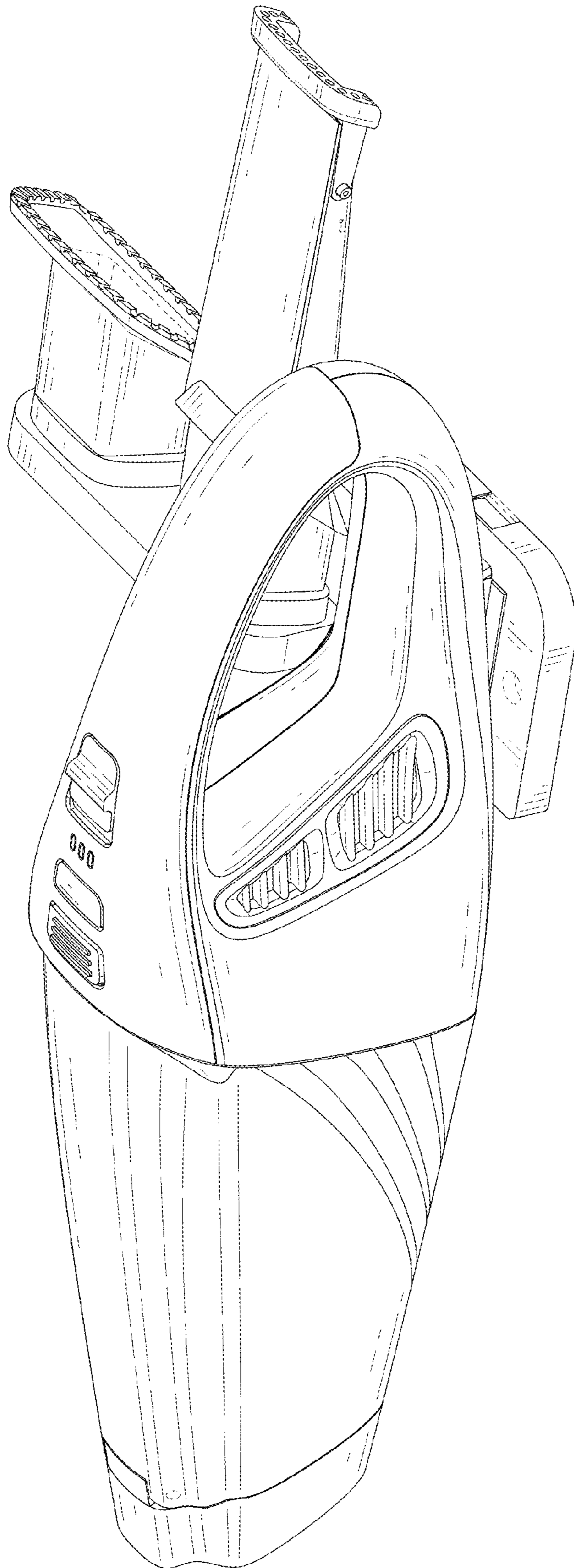


FIG. 1

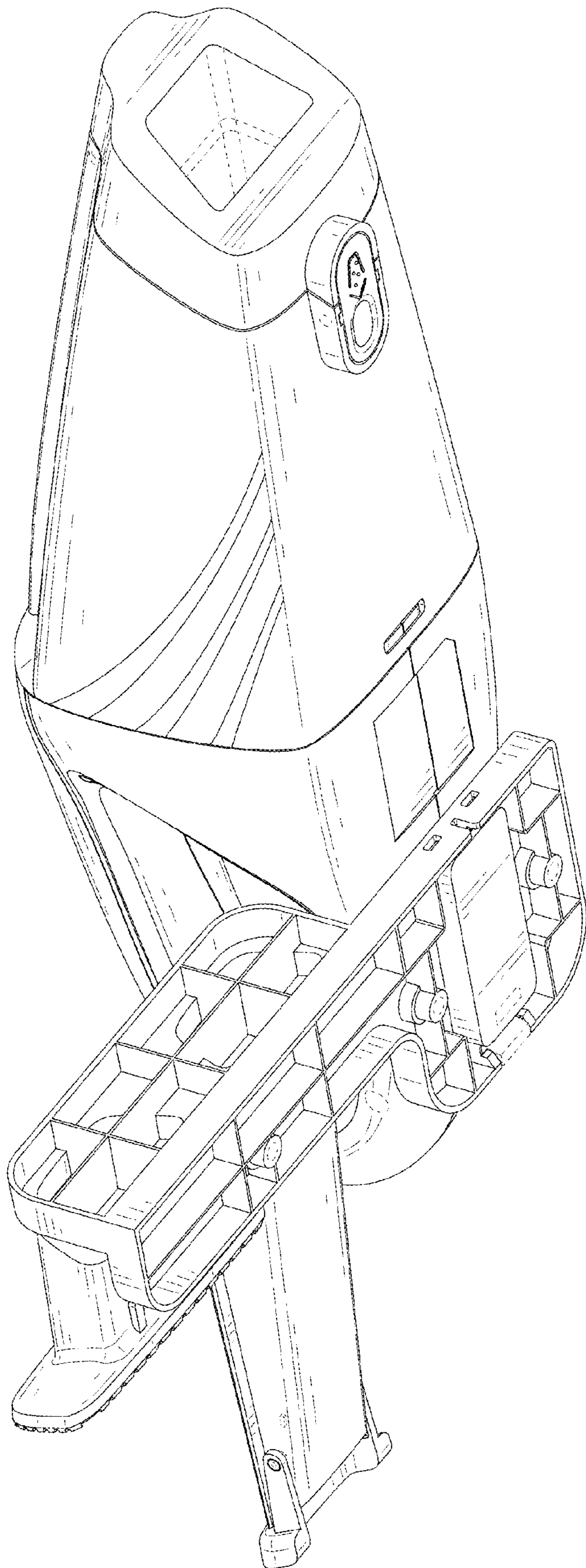


FIG. 2

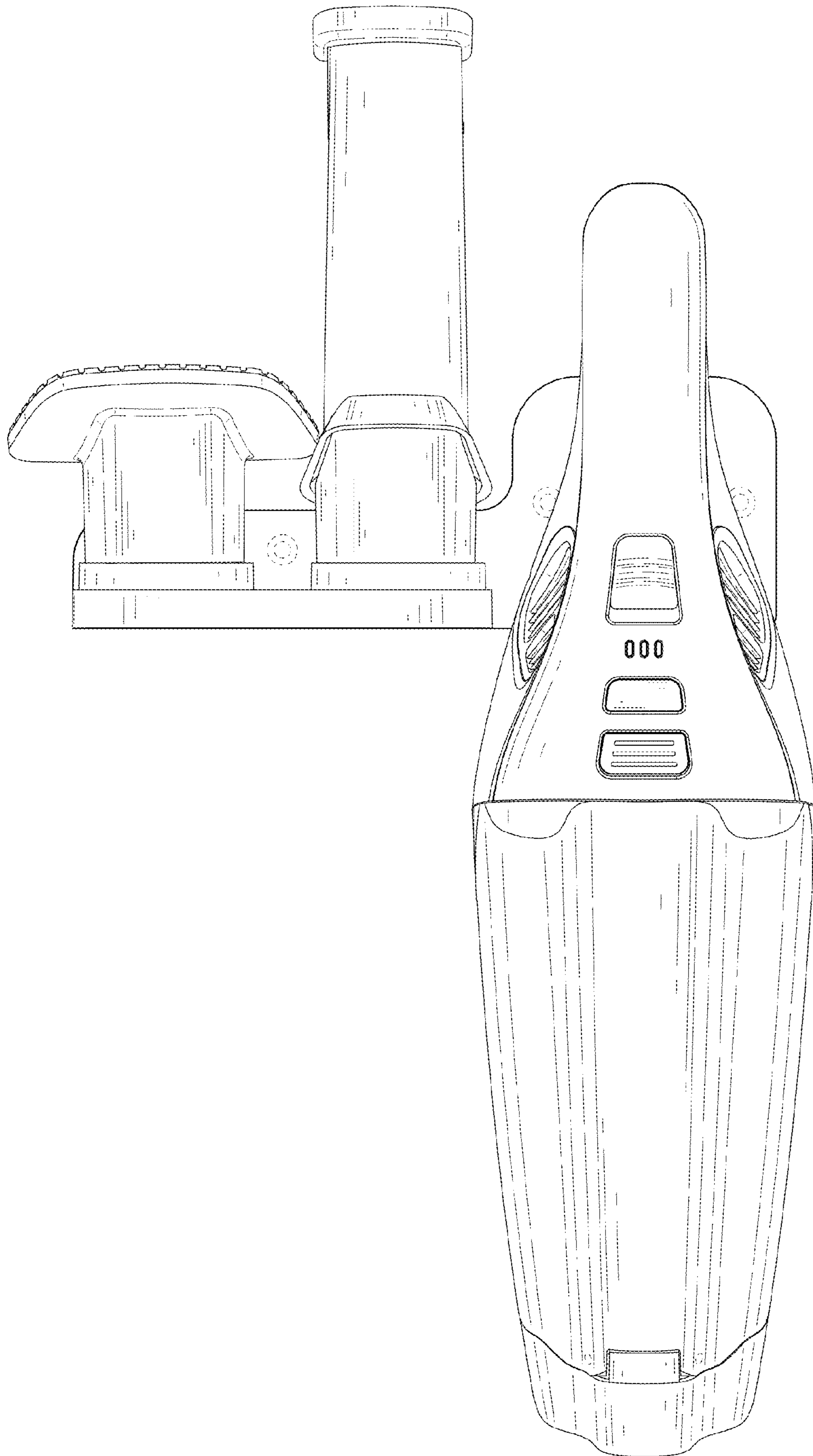


FIG. 3

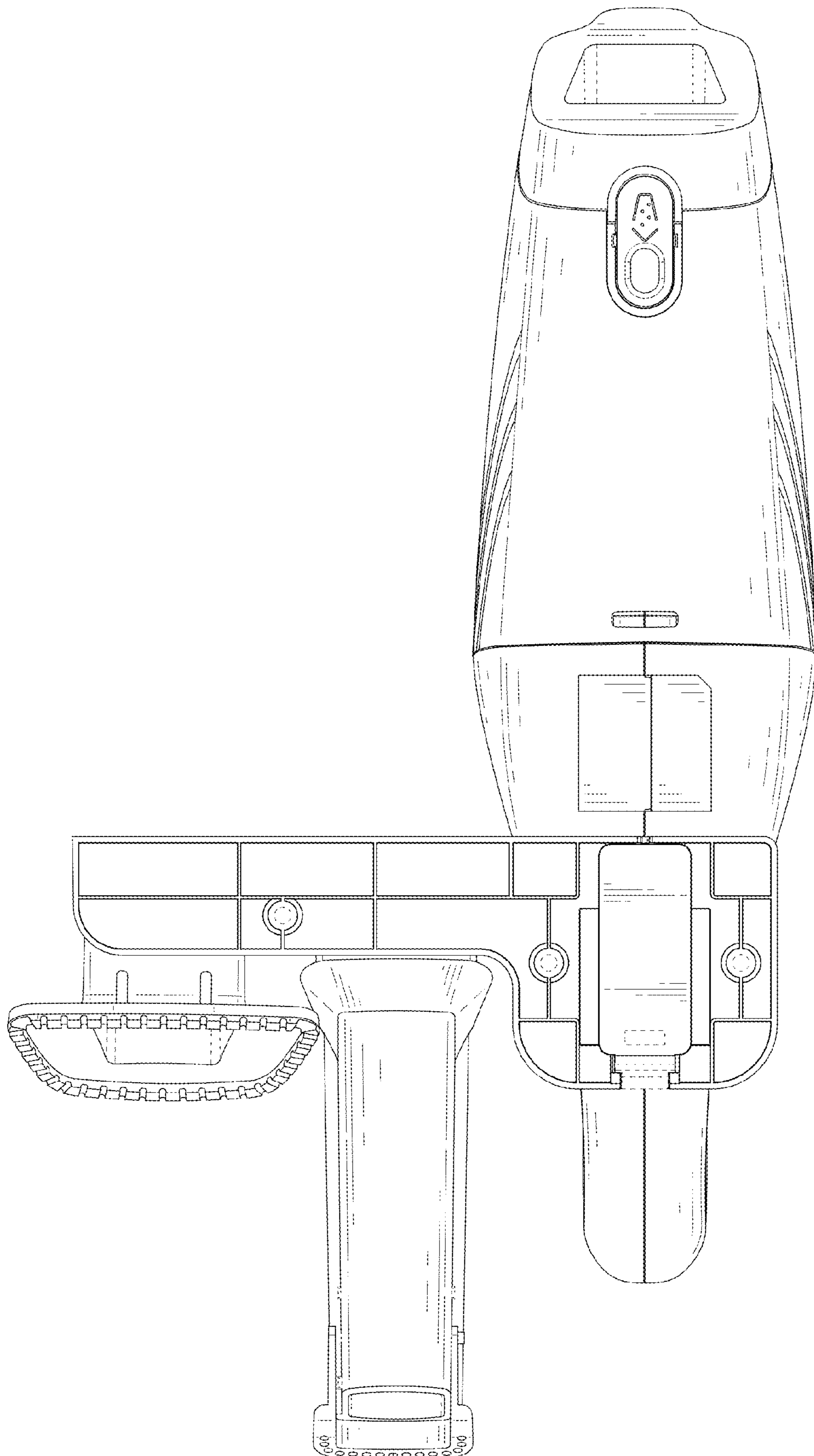


FIG. 4

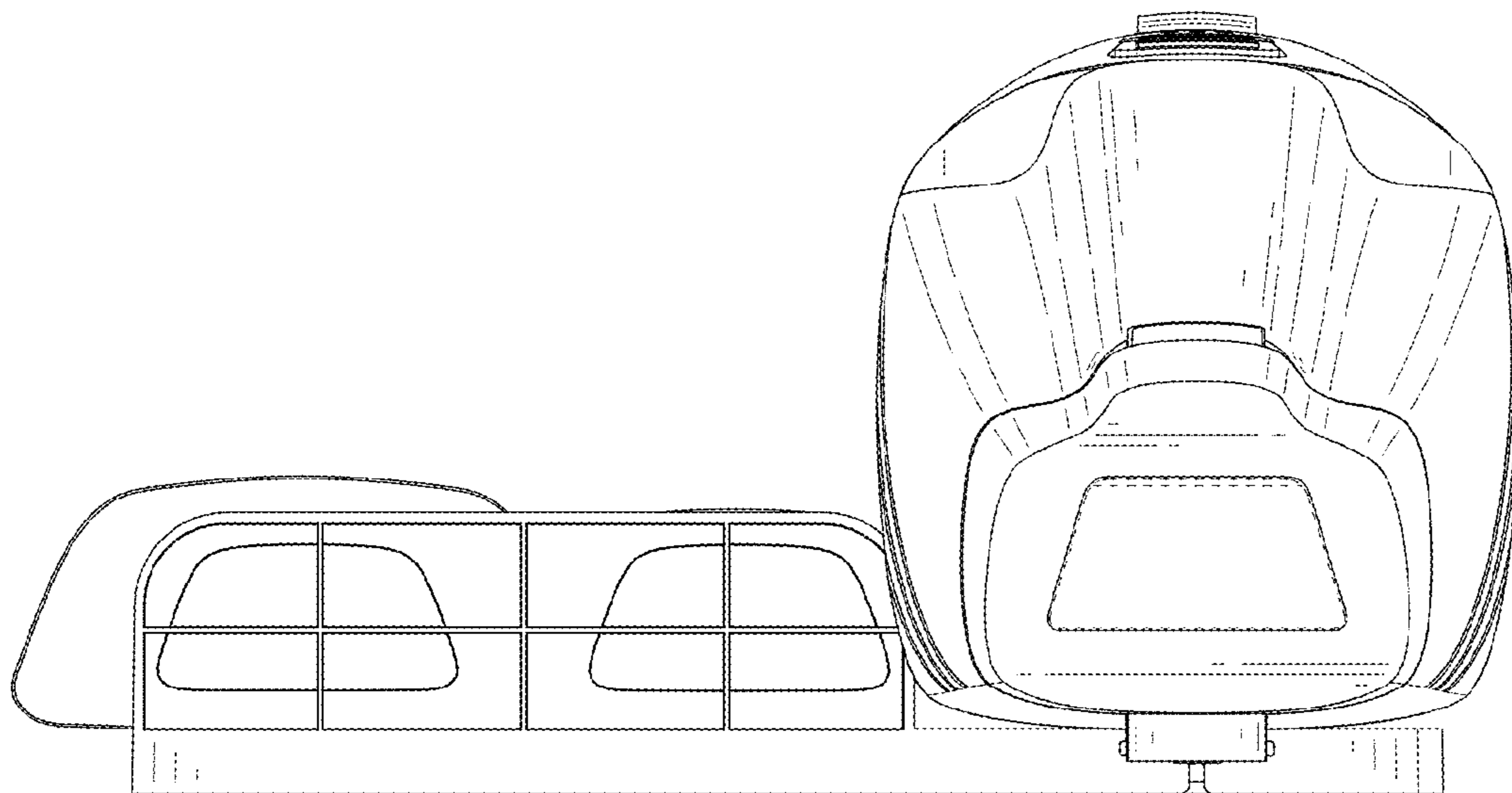


FIG. 5

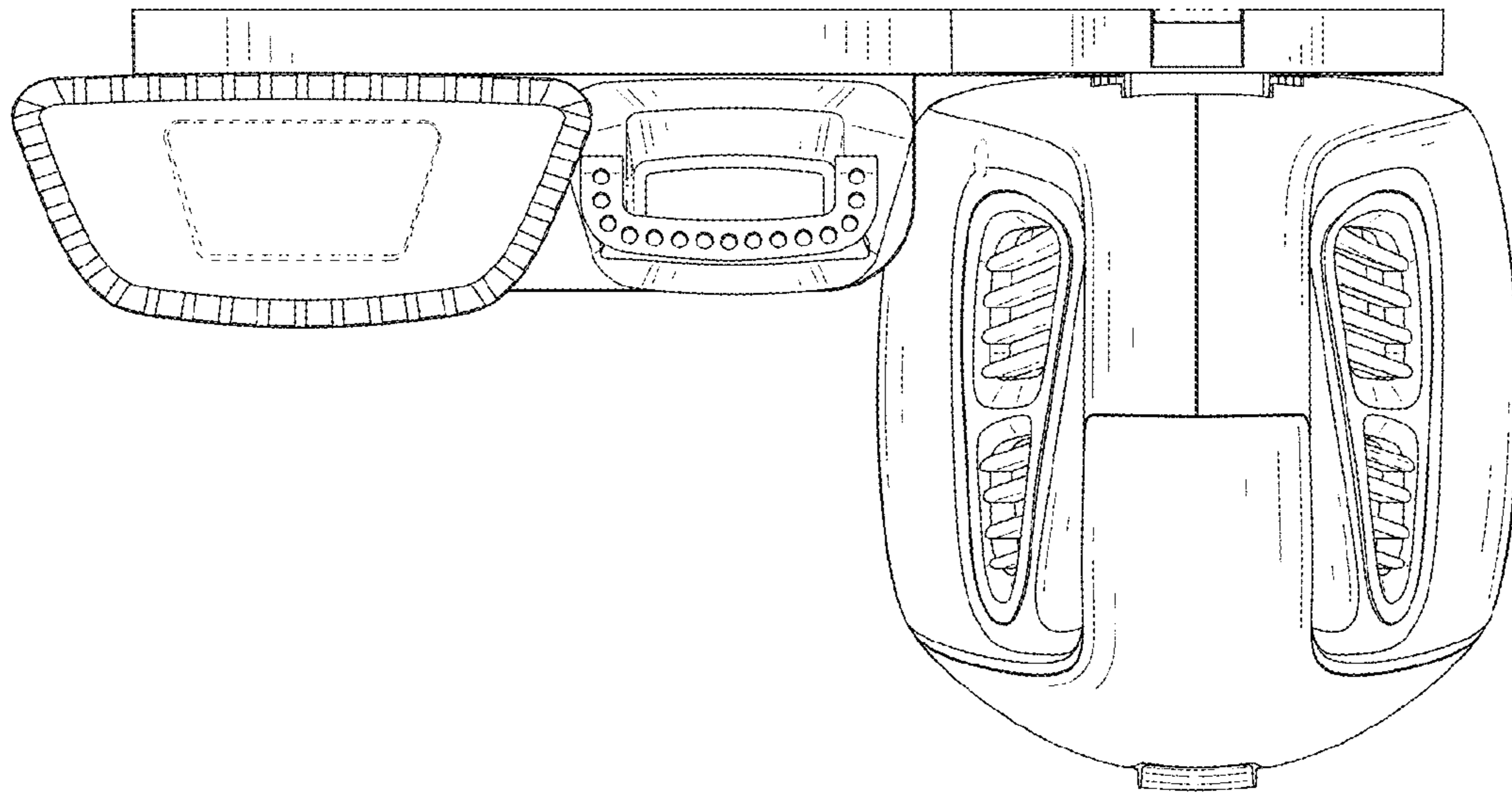


FIG. 6

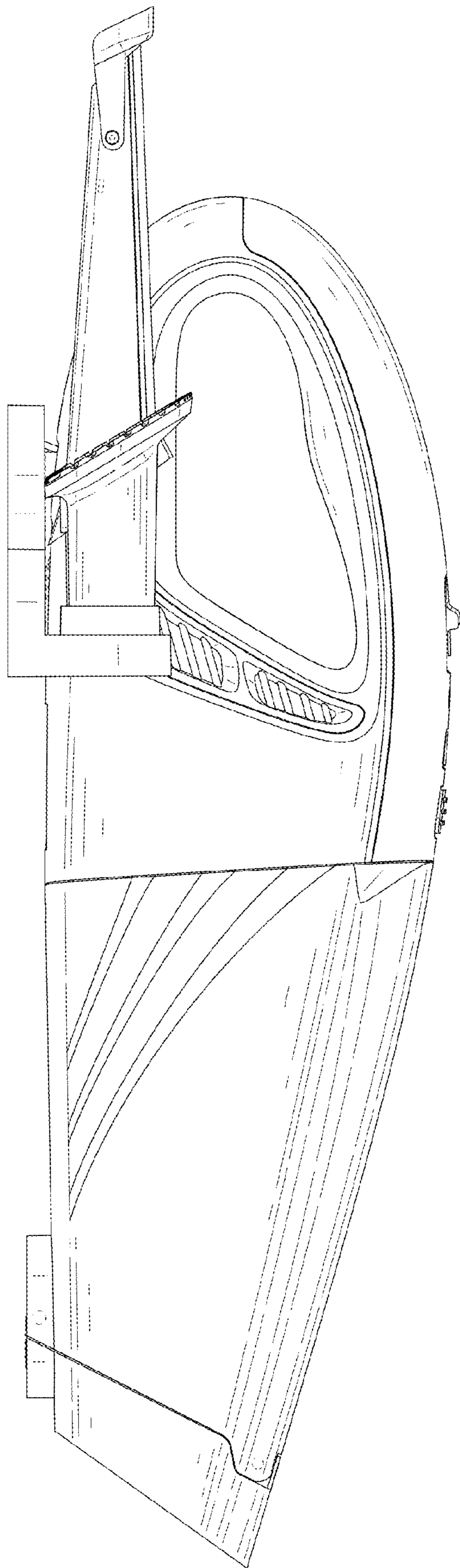


FIG. 7

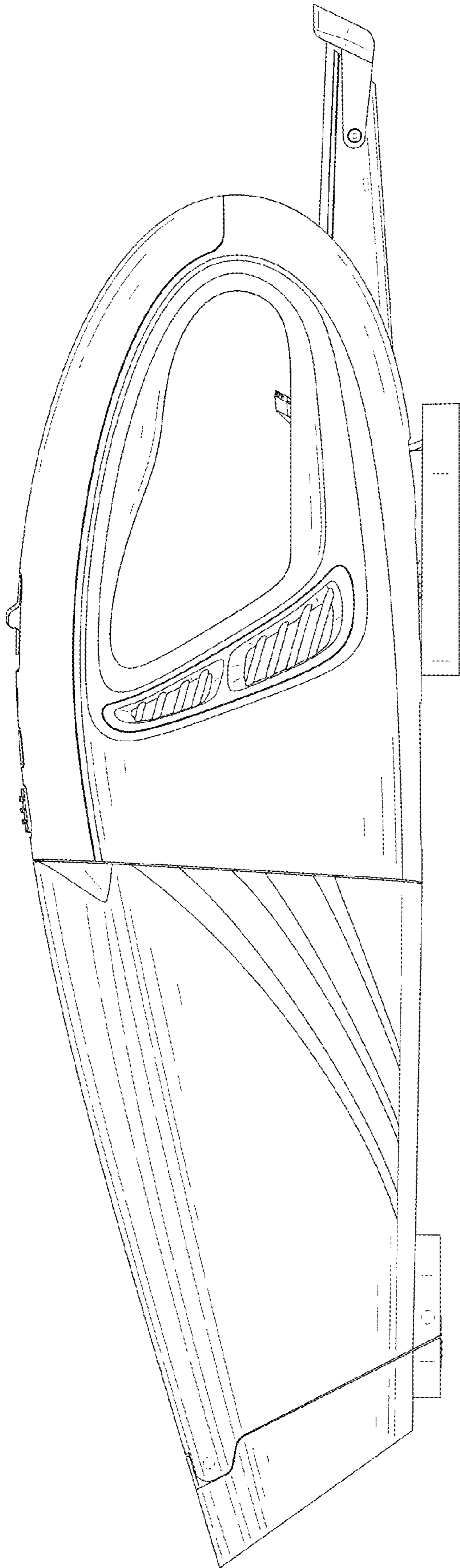


FIG. 8