

United States Patent [19]

Ikeda et al.

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[45] **Date of Patent: ** Aug. 15, 1989**

[54] **VACUUM CLEANER**

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[73] **Assignee: Sharp Corporation, Osaka, Japan**

[**] **Term: 14 Years**

[21] **Appl. No.: 78,241**

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[30] **Foreign Application Priority Data**

Mar. 5, 1987 [JP] Japan 62-8436

[52] **U.S. Cl. D32/18**

[58] **Field of Search D32/17, 18, 21, 22; 15/329, 344, 350, 351**

[56] **References Cited**

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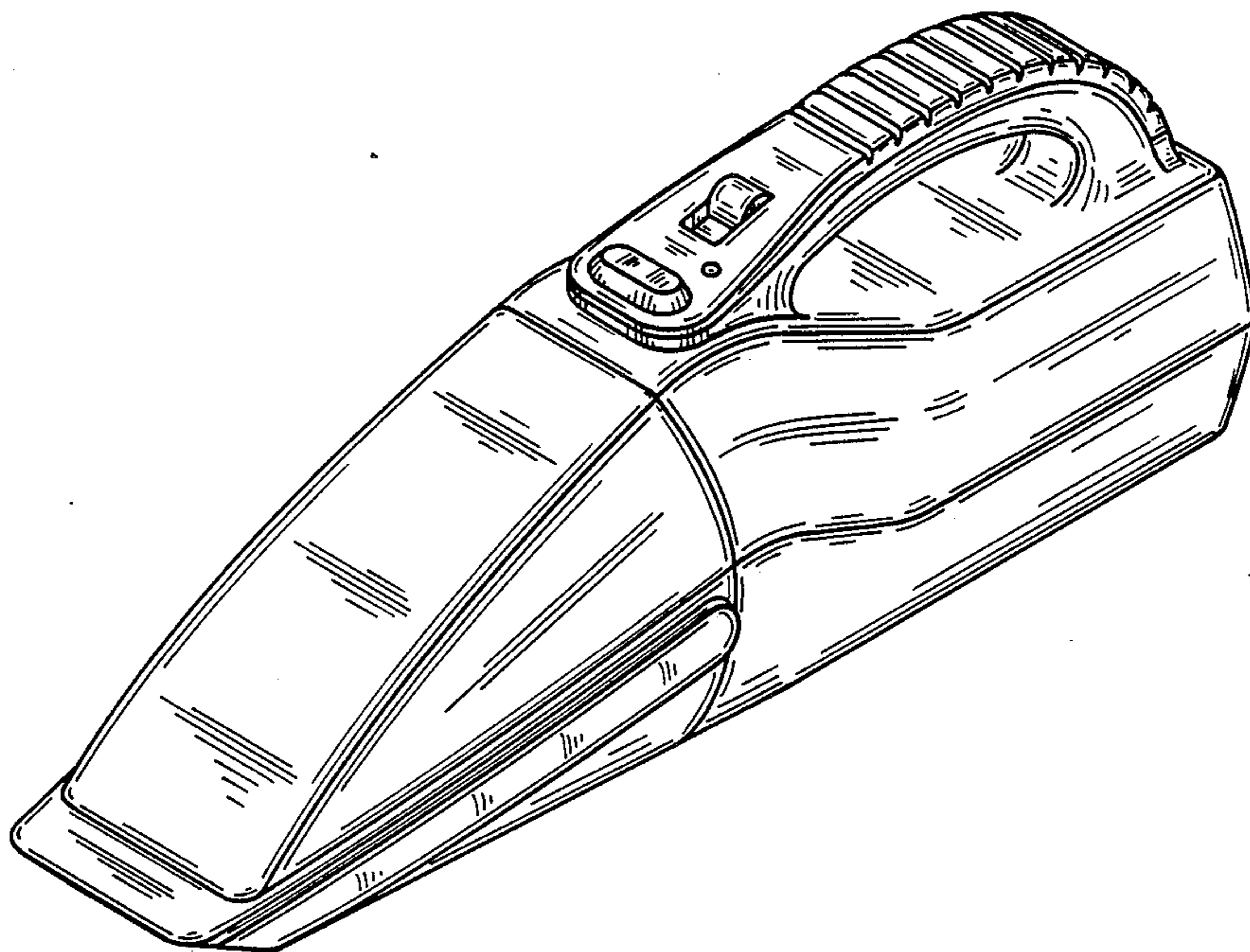
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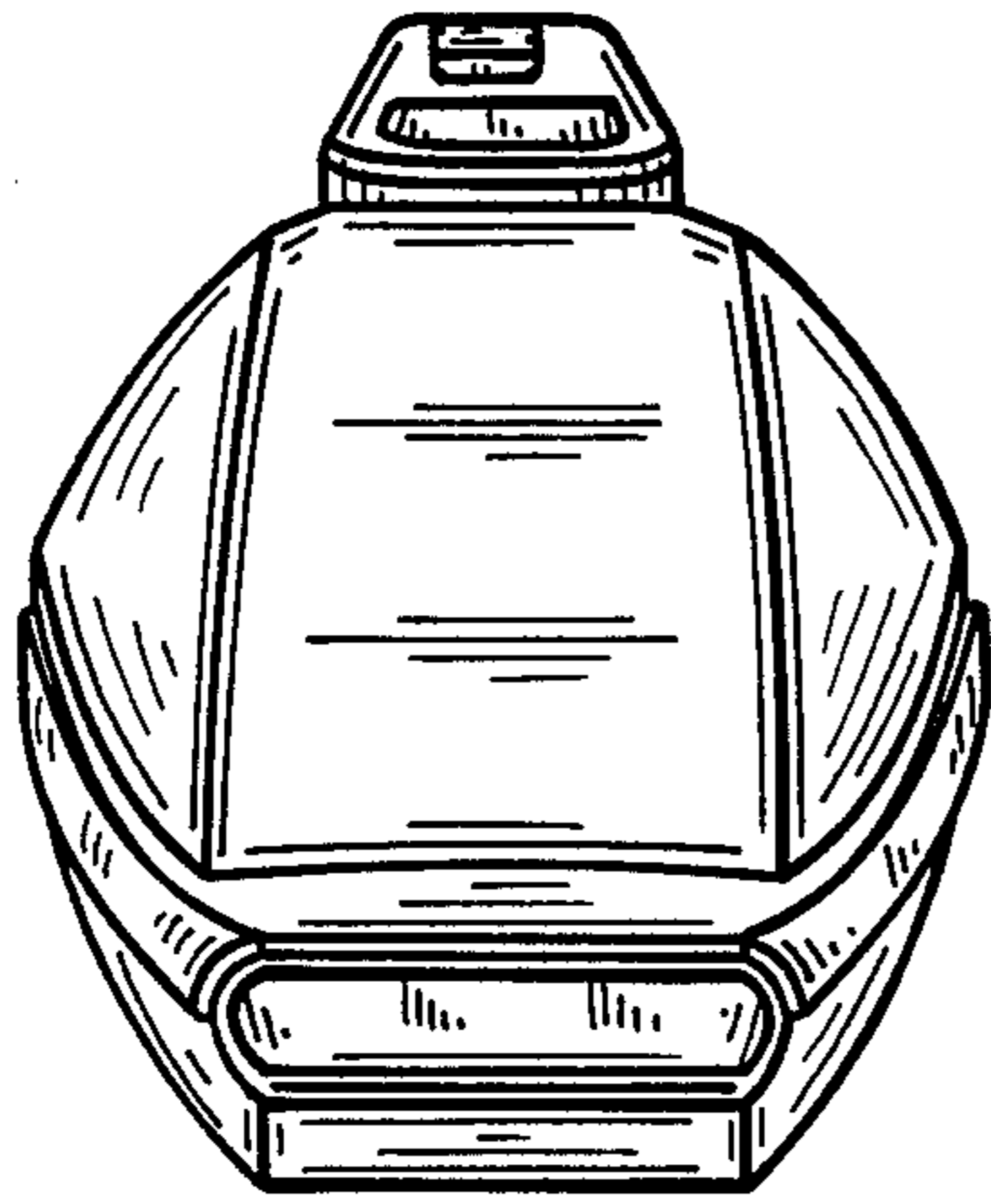
[57] **CLAIM**

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

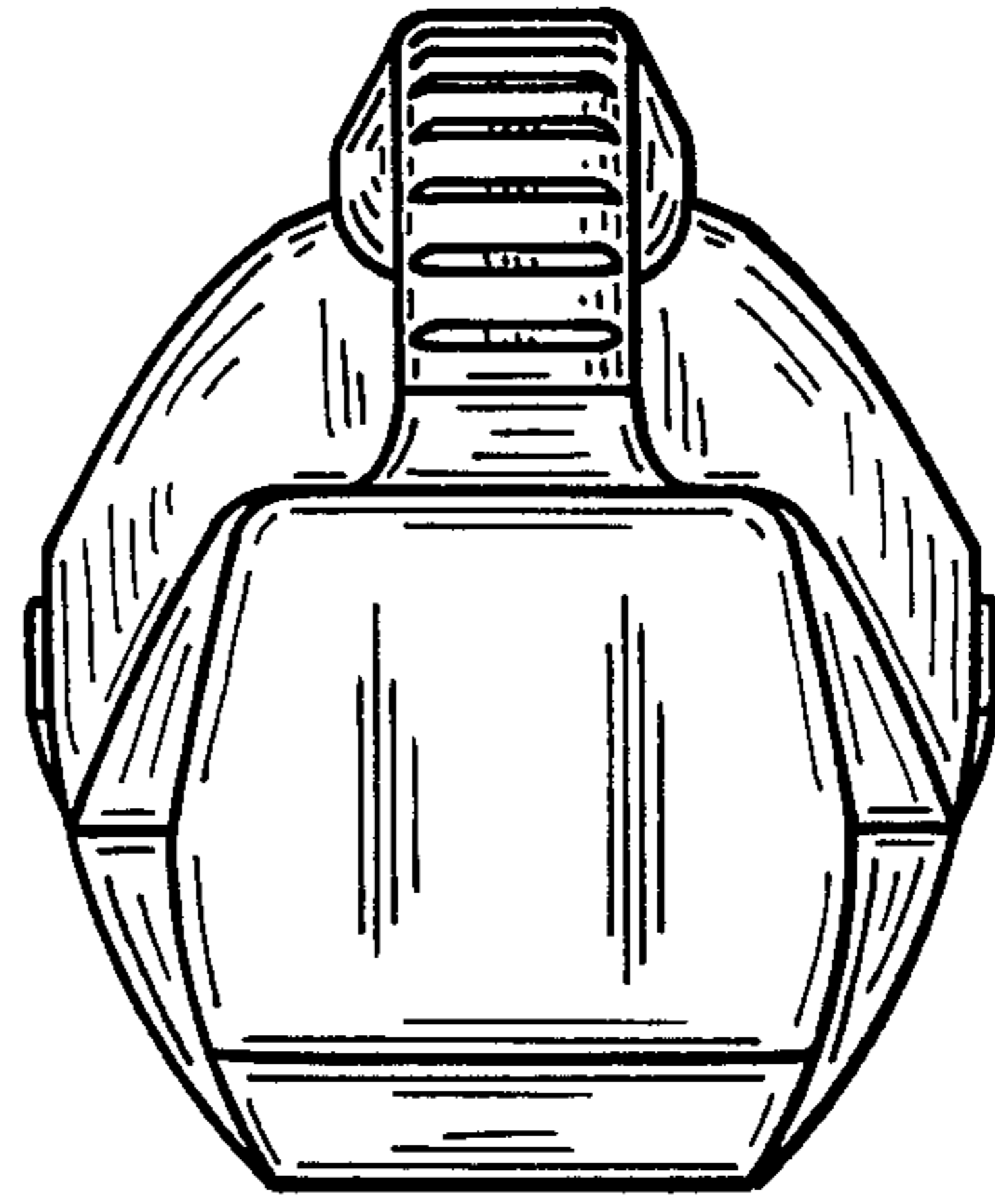
DESCRIPTION

FIG. 1 is a front elevational view of the vacuum cleaner showing our new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a right side elevational view, the left side elevational view being a mirror image thereof; and
FIG. 6 is a perspective view thereof.

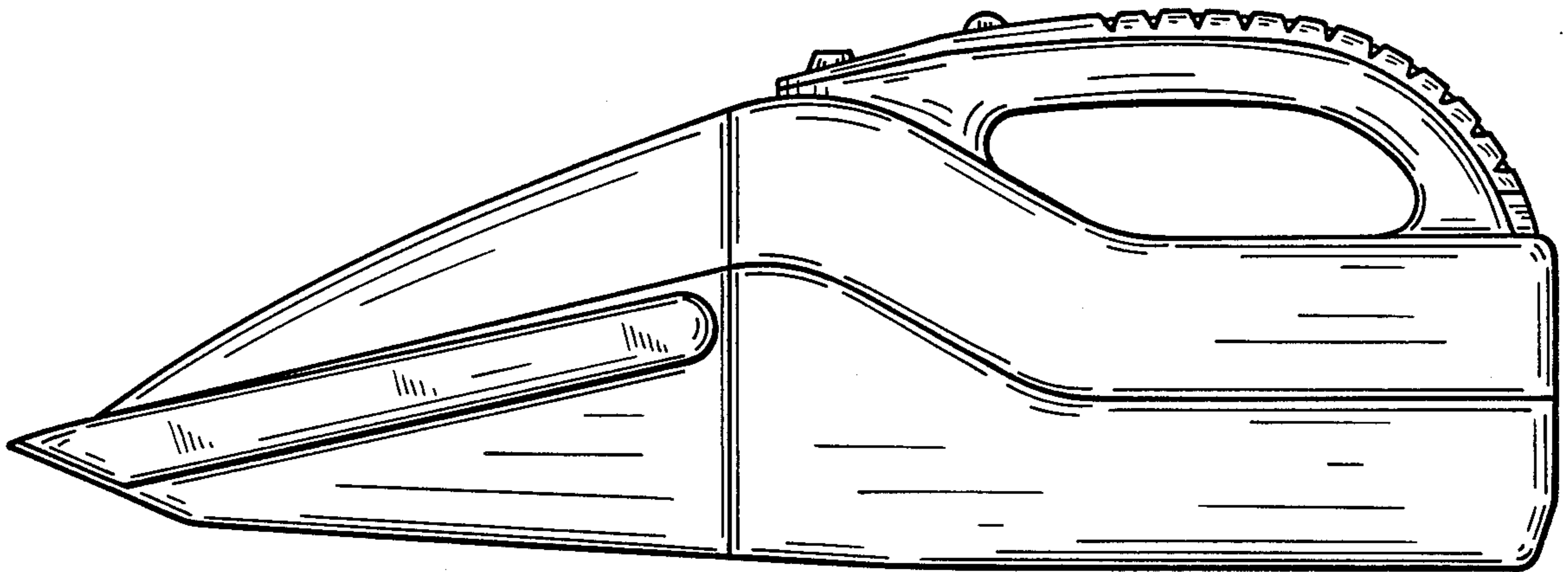




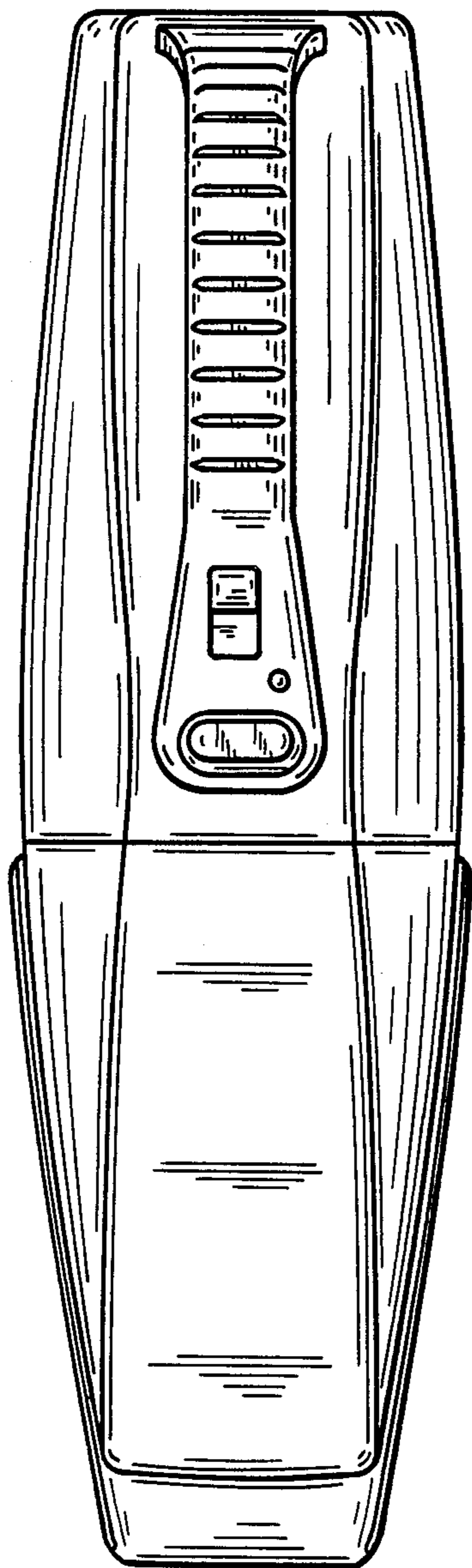
FIG_1



FIG_2



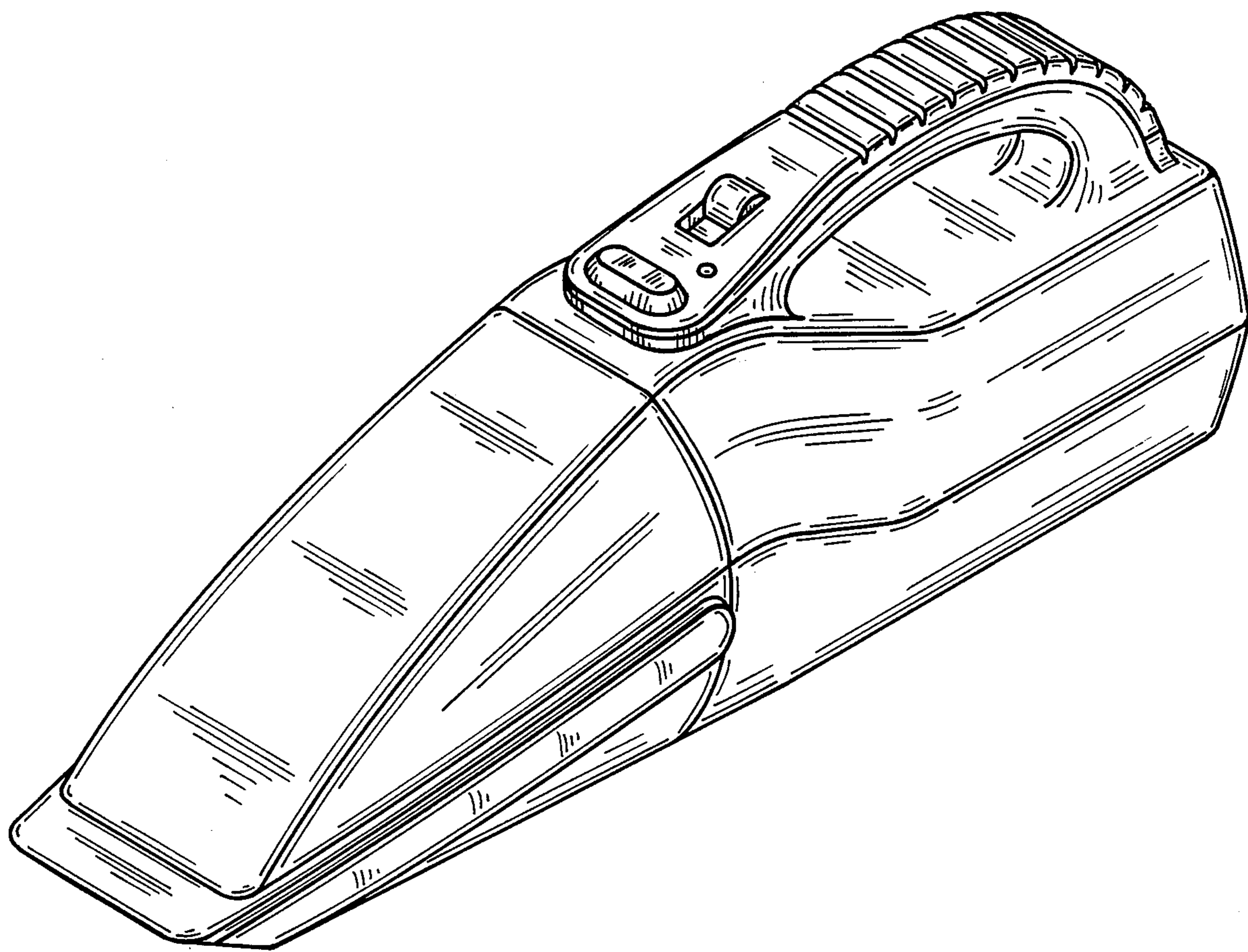
FIG_5



FIG_3



FIG_4



FIG_6