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(12) United States Design Patent

Shin

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(54) **VACUUM CLEANER**

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(73) Assignee: **Bukang Sems Co., Ltd.**, Incheon (KR)

(**) Term: **14 Years**

(21) Appl. No.: **29/437,539**

(22) Filed: **Nov. 16, 2012**

(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/21**

(58) **Field of Classification Search**
USPC D32/18, 21–24, 31; 15/320–321, 15/327.1–327.2, 327.4, 327.6–327.7, 15/257.01, 323, 329, 344, 347, 353, 412; 55/337, 429, 345; 95/271
See application file for complete search history.

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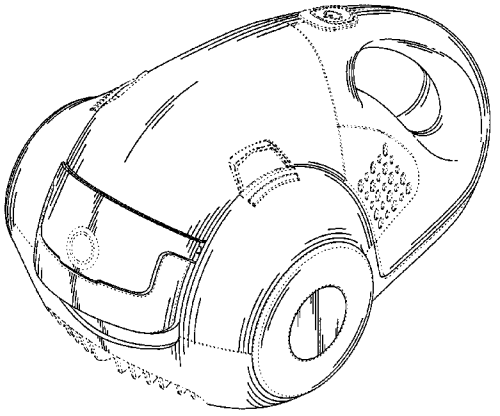
(57) **CLAIM**

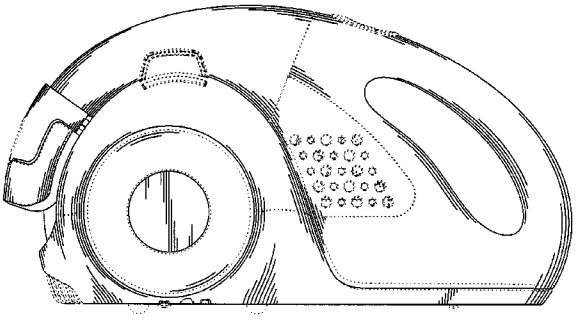
I claim the ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a vacuum cleaner in accordance with an embodiment of the present invention;
FIG. **2** is a front view of the vacuum cleaner of FIG. **1**;
FIG. **3** is a rear view of the vacuum cleaner of FIG. **1**;
FIG. **4** is a left side view of the vacuum cleaner of FIG. **1**;
FIG. **5** is a right side view of the vacuum cleaner of FIG. **1**;
FIG. **6** is a top plan view of the vacuum cleaner of FIG. **1**; and,
FIG. **7** is an exploded perspective view of FIG. **1**.
The details shown in broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets





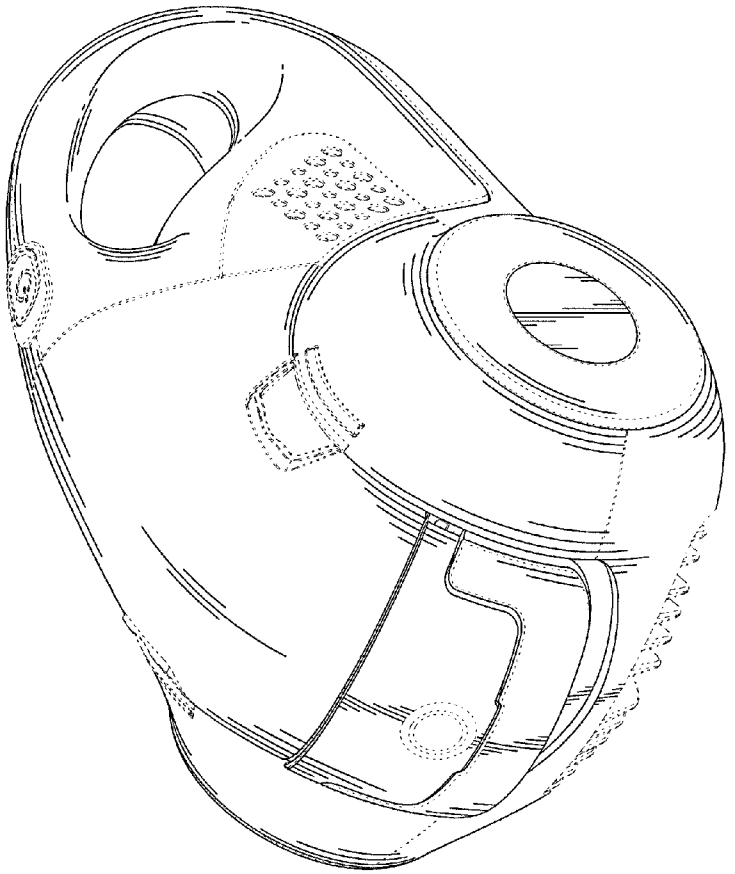


Figure 1

Figure 2

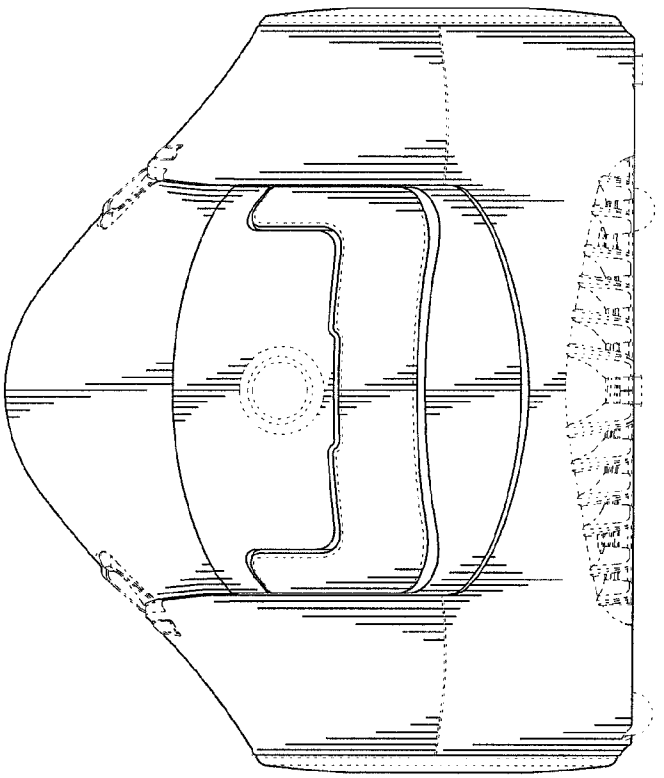
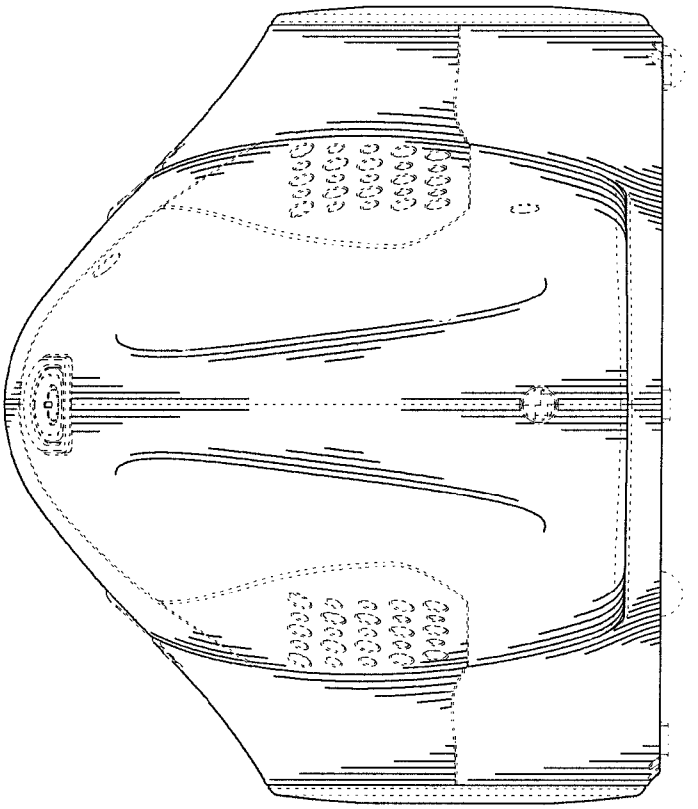


Figure 3



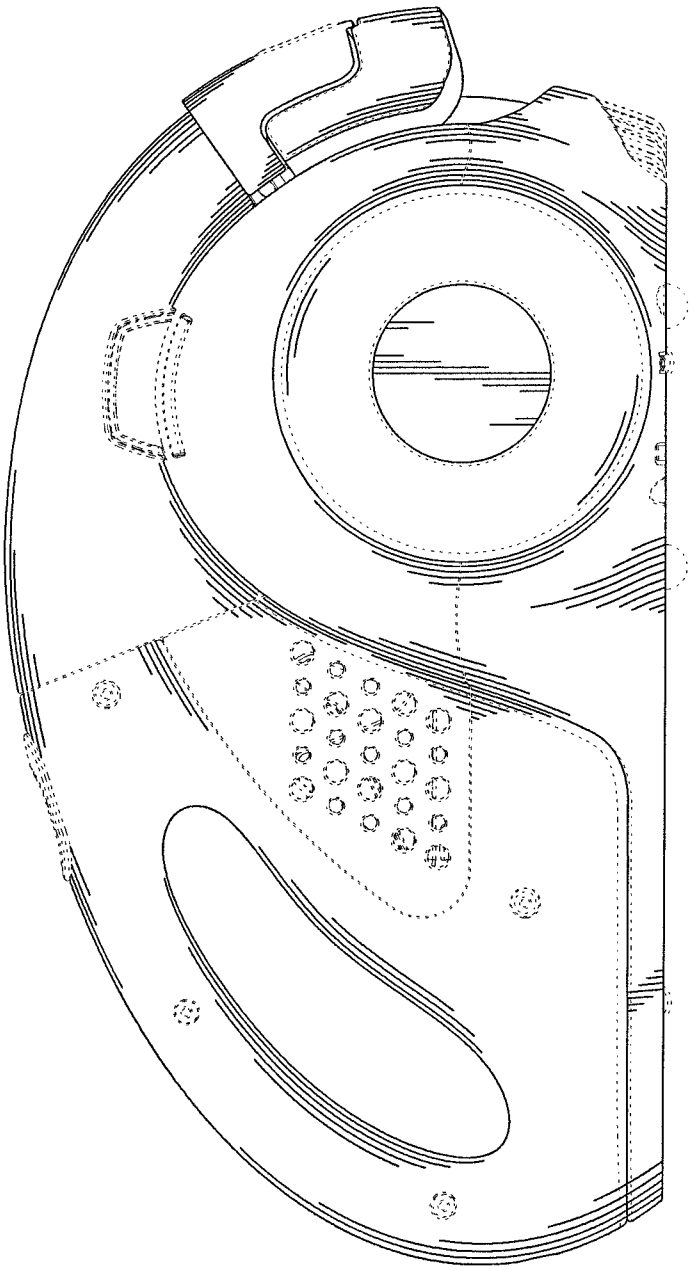


Figure 4

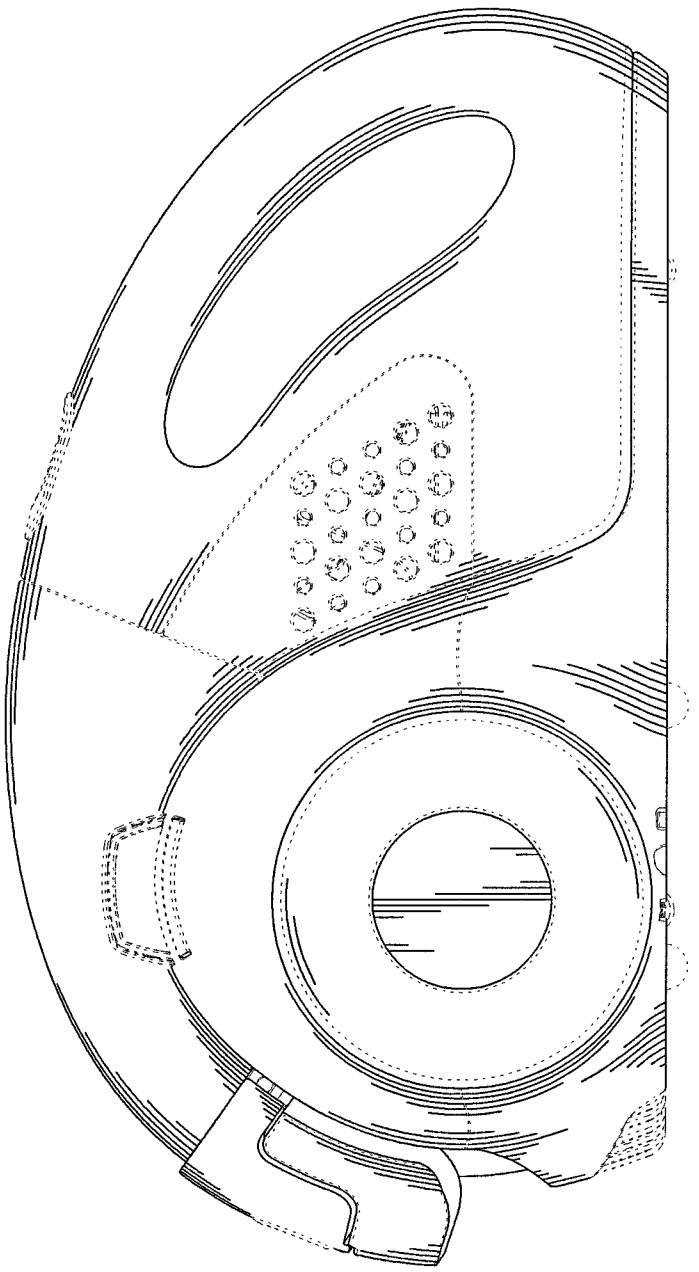


Figure 5

Figure 6

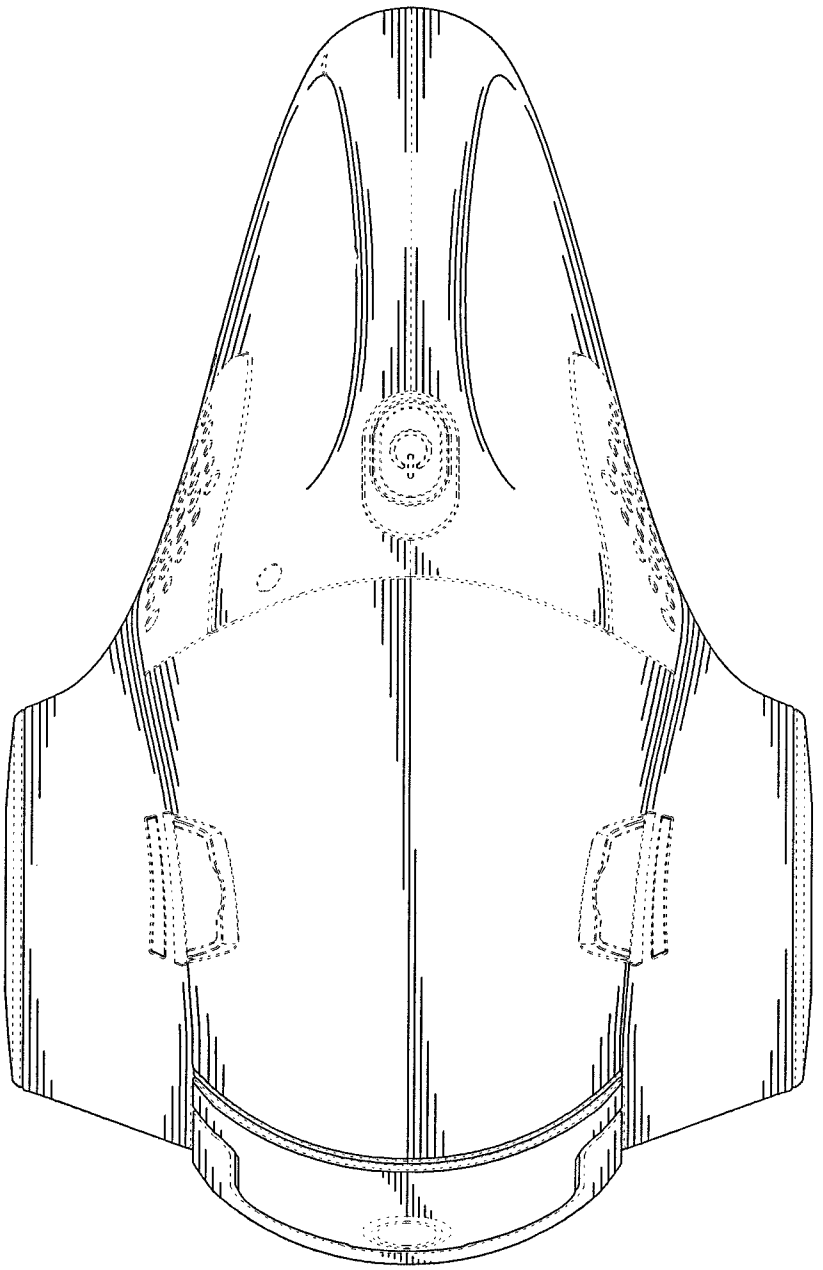
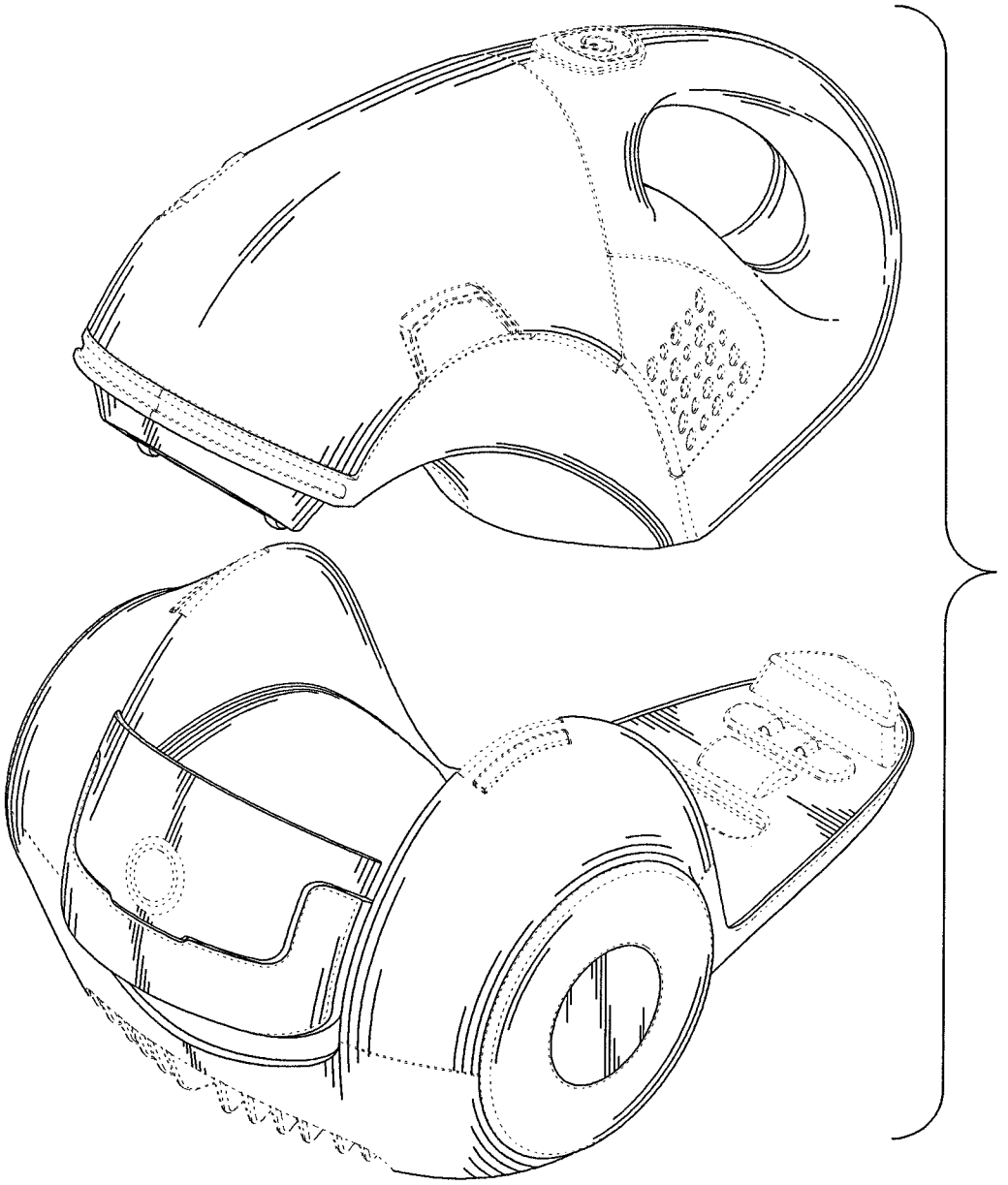



Figure 7