



US00D749285S

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

(10) **Patent No.:** **US D749,285 S**

(45) **Date of Patent:** **** Feb. 9, 2016**

(54) **CLEANER**

(71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si, Gyeonggi-do (KR)

(72) Inventors: **Kyung-Tae Kim**, Seoul (KR);
Min-Hyok Bu, Seoul (KR);
Kyung-Soo Sun, Seoul (KR); **Kio Lee**,
Seoul (KR)

(73) Assignee: **SAMSUNG ELECTRONICS CO.,
LTD.** (KR)

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

(21) Appl. No.: **29/502,782**

(22) Filed: **Sep. 19, 2014**

(30) **Foreign Application Priority Data**

Mar. 19, 2014 (KR) 30-2014-0013672

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

(52) **U.S. Cl.**
USPC **D32/31**

(58) **Field of Classification Search**
USPC D32/1, 15-18, 21-22, 31, 34; D30/158
CPC A47L 5/24; A47L 5/362; A47L 15/28;
A47L 9/325; A47L 9/2857; A47L 9/1427;
A47L 15/14; A47L 9/2884; A47L 9/1666;
A47L 9/1683; A47L 9/1625; A47L 9/22;
B26B 19/44; B60S 3/002; F28G 3/166;
B01D 50/002; B01D 45/12; E04H 4/1654
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D325,452 S * 4/1992 Gefter D32/21
D400,319 S * 10/1998 Hofheins et al. D32/1
D418,640 S * 1/2000 Veloskey et al. D32/1
D422,763 S * 4/2000 Tsuda D32/21
D433,545 S * 11/2000 Hollinger et al. D32/1

D445,225 S * 7/2001 Schaub D32/15
D468,068 S * 12/2002 Mok D32/18
D471,331 S * 3/2003 Pan D32/18
6,601,255 B1 * 8/2003 van der Meyden et al. 15/1.7
D481,842 S * 11/2003 Tai D32/18
D485,652 S * 1/2004 Erlich D32/1
D526,752 S * 8/2006 Rosenzweig D32/18
D528,715 S * 9/2006 Carr D32/18
D575,915 S * 8/2008 Dreyer D32/15
D588,758 S * 3/2009 Vagges D32/18
D652,588 S * 1/2012 Lee et al. D32/21
D670,464 S * 11/2012 Mastio et al. D32/21
8,438,684 B2 * 5/2013 Mastio et al. 15/1.7
D713,609 S * 9/2014 Shin et al. D32/21
D725,852 S * 3/2015 Houghton D32/18
D729,470 S * 5/2015 Choi D32/18

* cited by examiner

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a cleaner, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a side view thereof;
FIG. 5 is another side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is an enlarged view of the encircled portion 8 as shown in FIG. 4; and,
FIG. 9 is an enlarged view of the encircled portion 9 as shown in FIG. 5.
The broken lines are for environmental purpose only and form no part of the claimed design.
The dot-dash broken lines encircling enlargement portions of the design form no part of the claimed design.

1 Claim, 9 Drawing Sheets

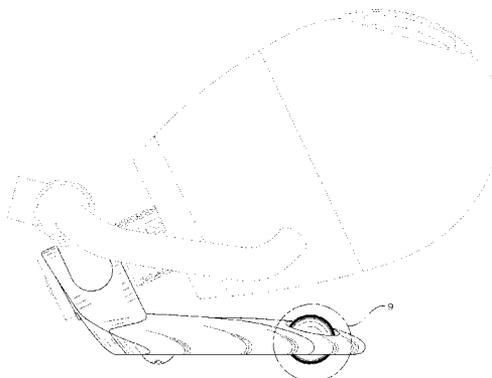
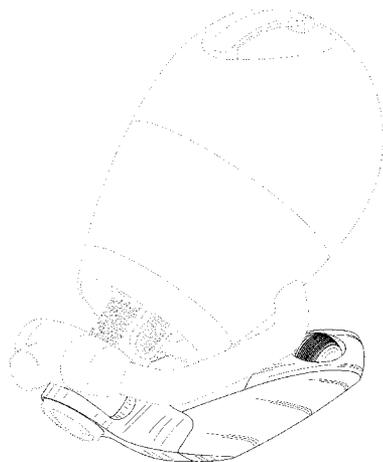


FIG. 1

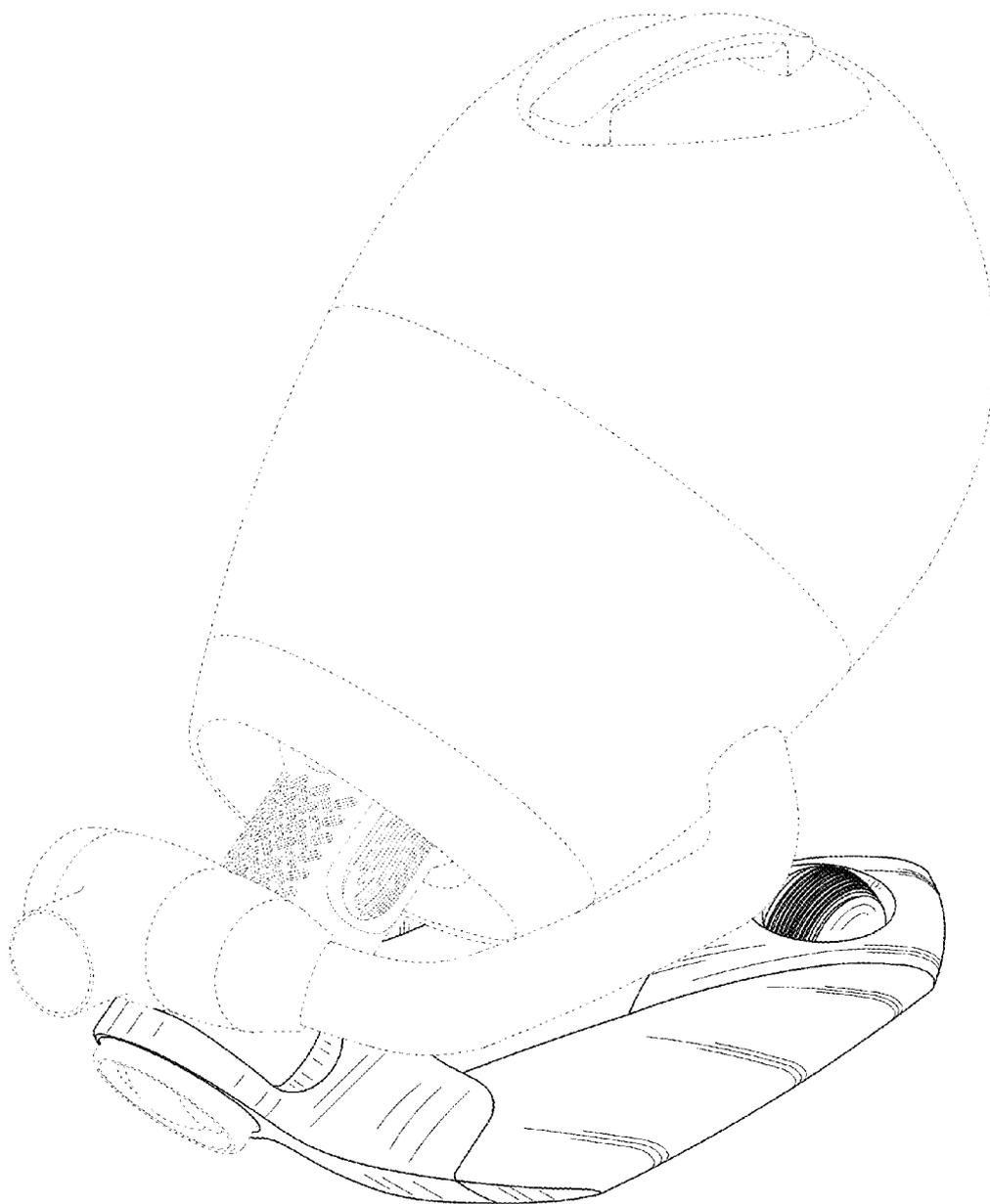


FIG. 2

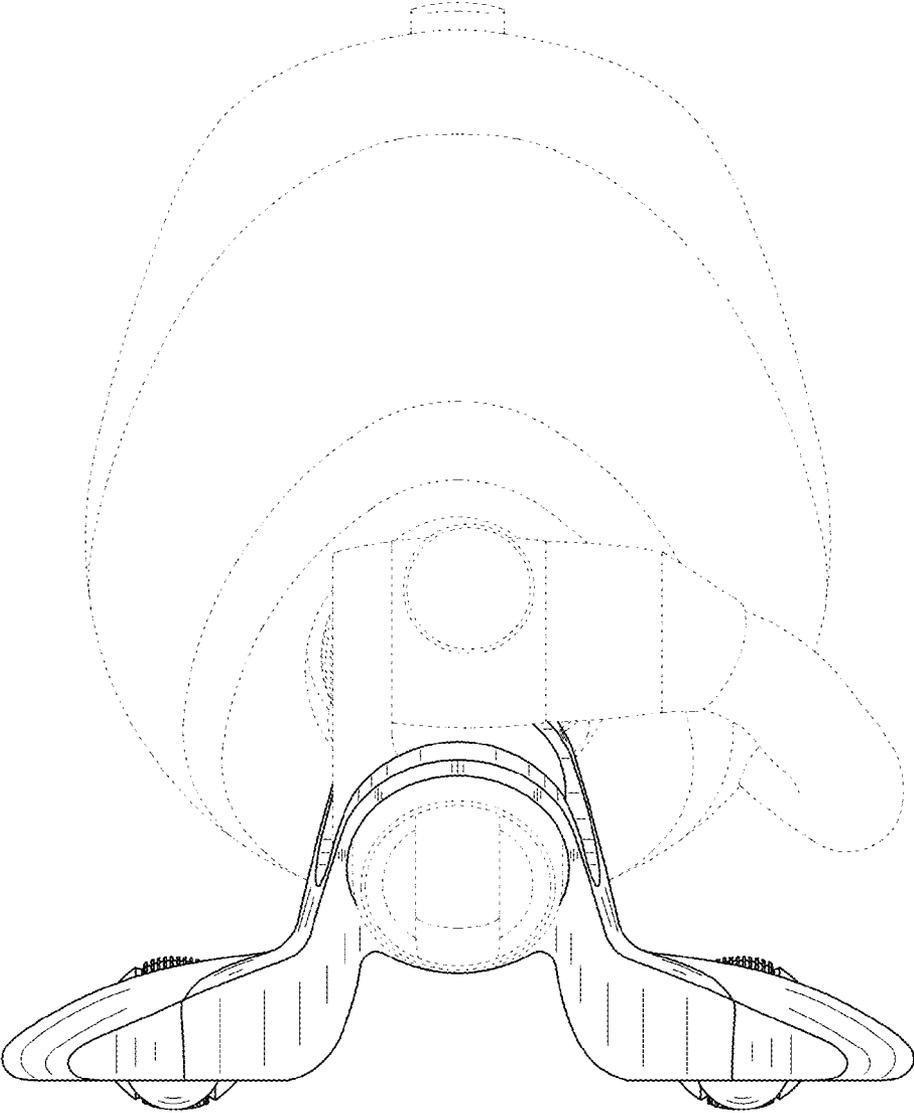


FIG. 3

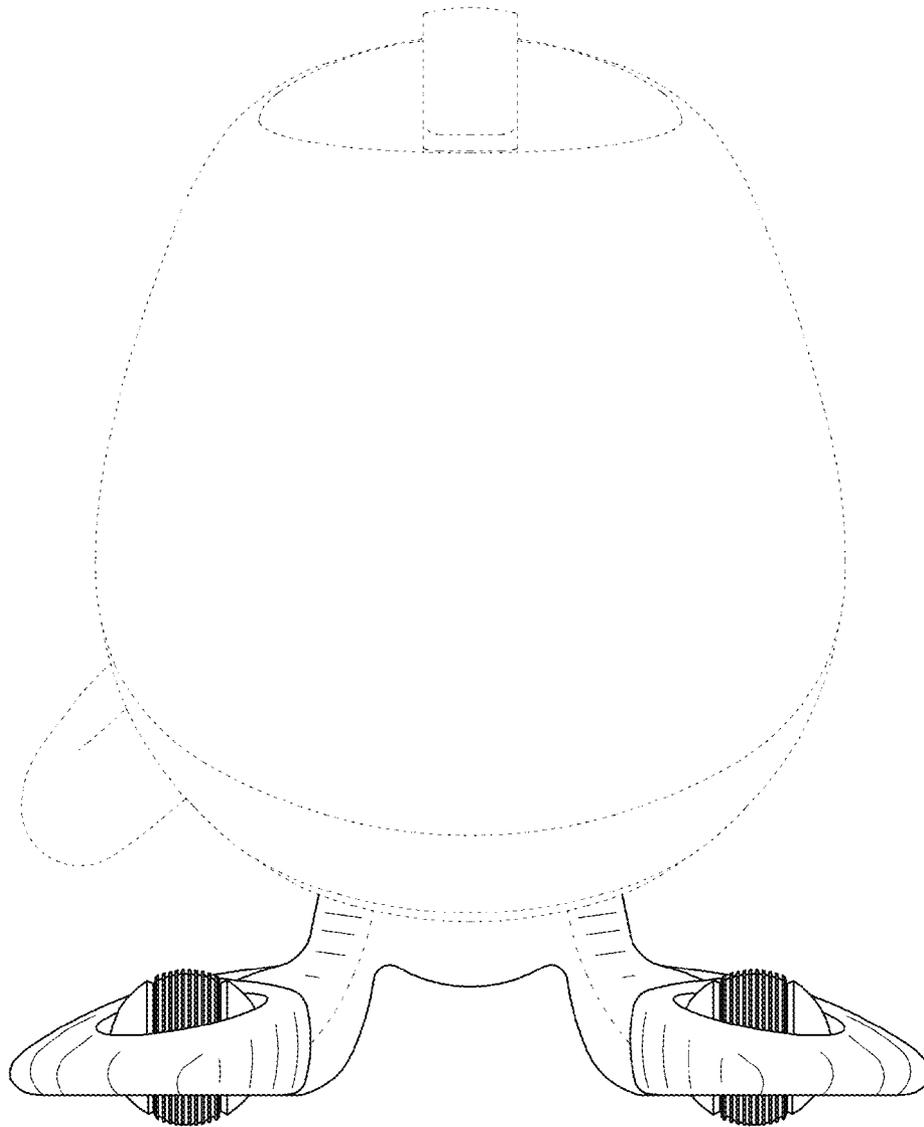


FIG. 4

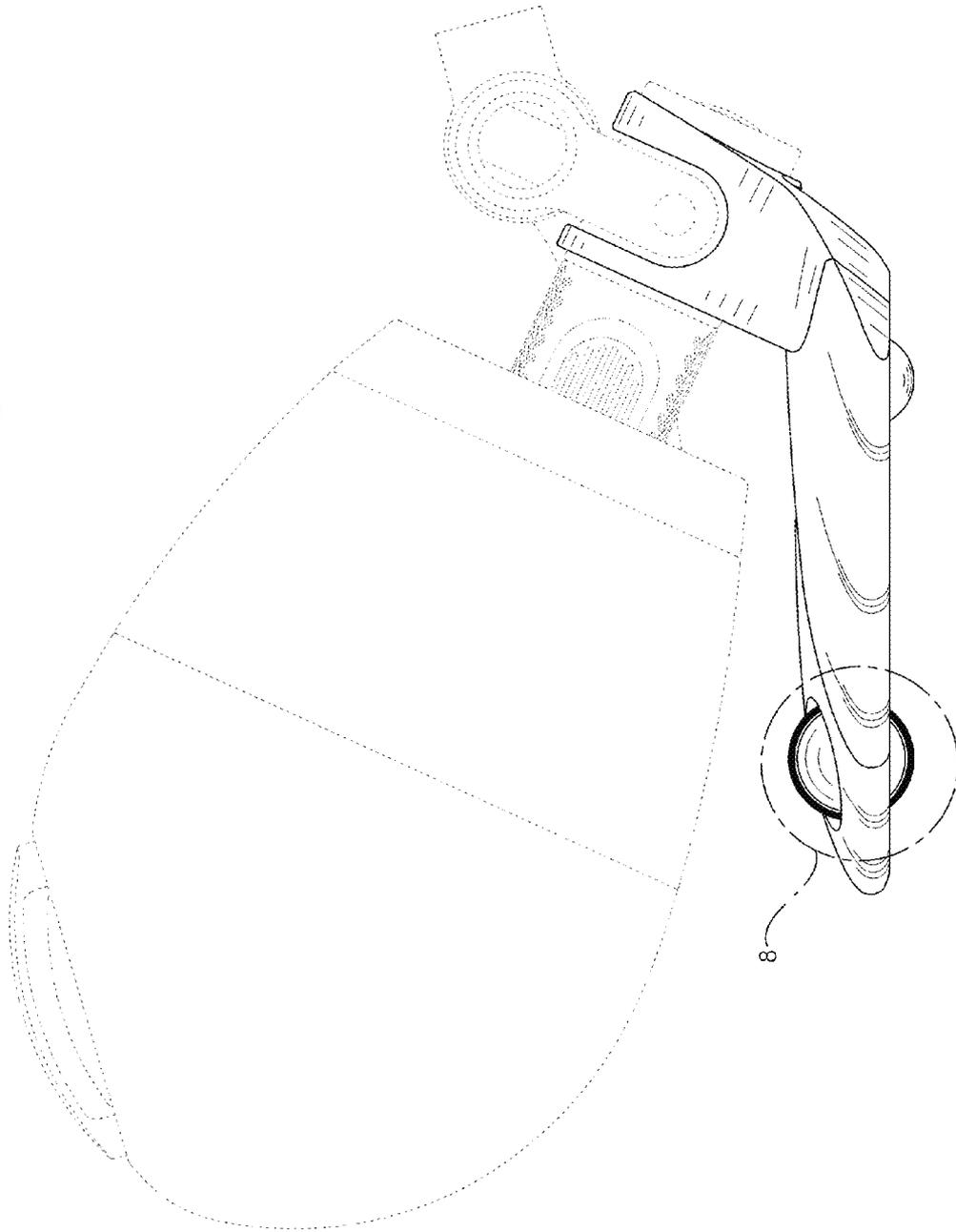


FIG. 5

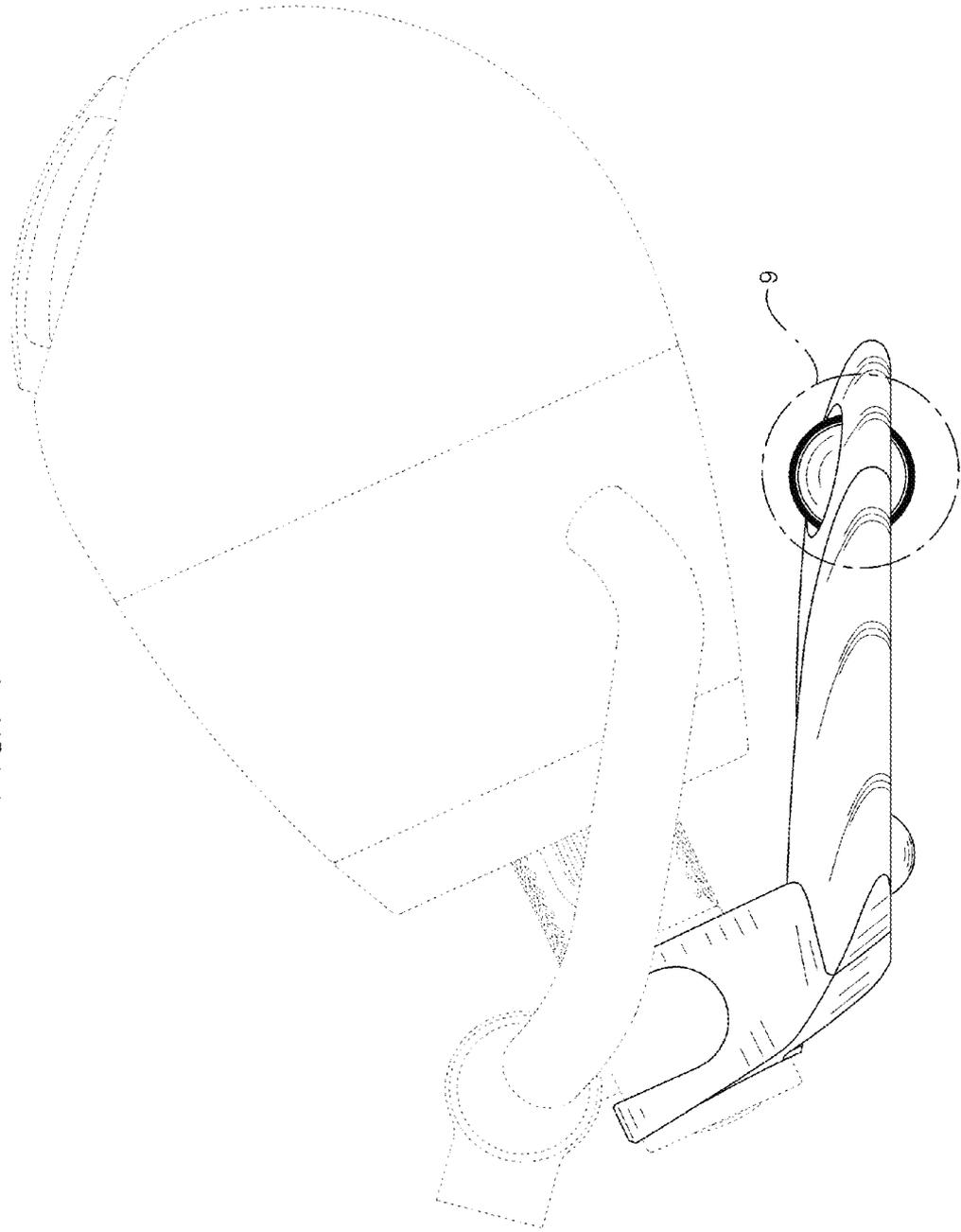


FIG. 6

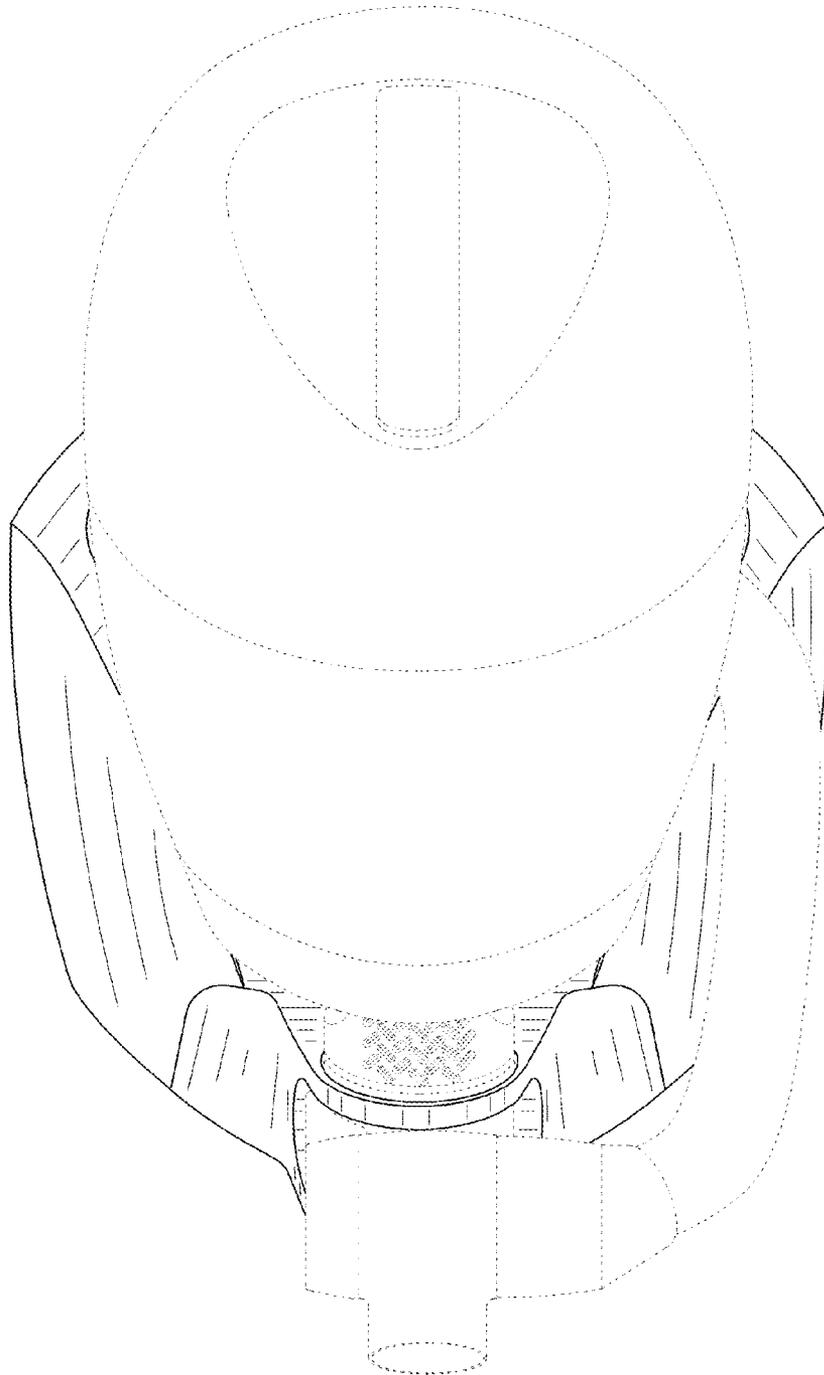


FIG. 7

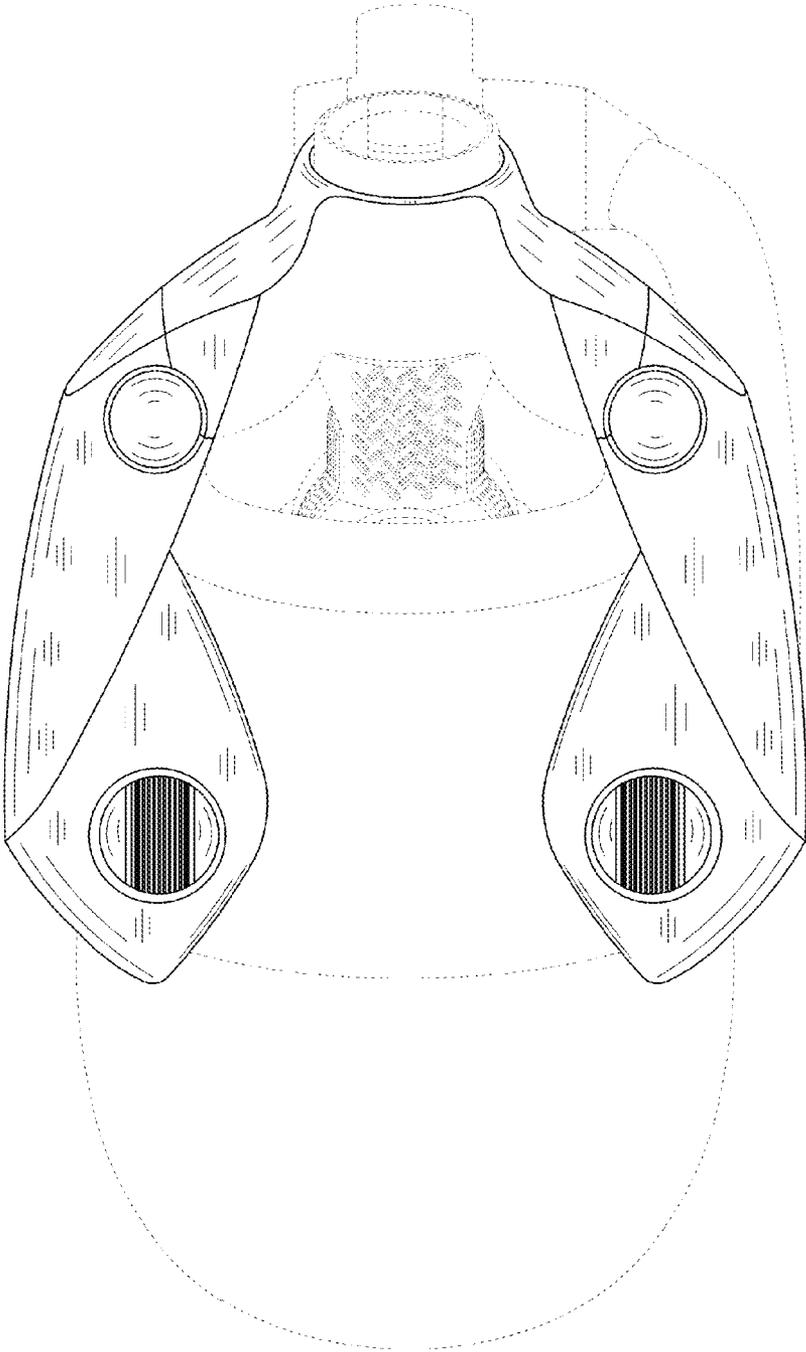


FIG. 8

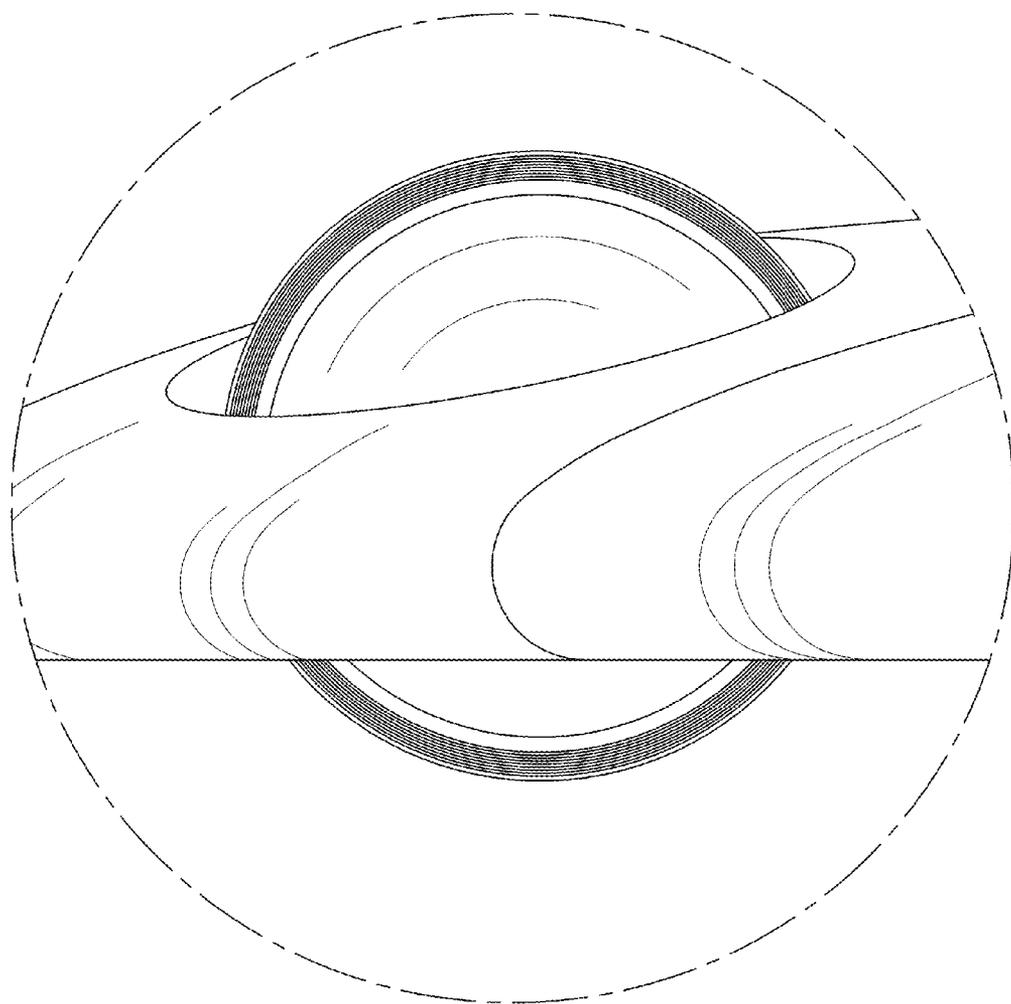


FIG. 9

