



US00D853063S

(12) **United States Design Patent**  
**Johnson**

(10) **Patent No.:** **US D853,063 S**

(45) **Date of Patent:** **\*\* Jul. 2, 2019**

- (54) **SURFACE CLEANING HEAD WITH DUAL ROLLERS**
- (71) Applicant: **SHARKNINJA OPERATING LLC**,  
Newton, MA (US)
- (72) Inventor: **Owen R. Johnson**, Needham, MA (US)
- (73) Assignee: **SharkNinja Operating LLC**,  
Needham, MA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/605,401**

- D524,498 S 7/2006 Luebbering et al.
  - 7,171,723 B2 2/2007 Kobayashi et al.
  - 7,328,479 B2 2/2008 Willenbring
  - D566,356 S 4/2008 Medema
  - D569,564 S 5/2008 Labarbera
  - D594,612 S \* 6/2009 Umeda ..... D32/32
  - D597,268 S 7/2009 Santiago et al.
- (Continued)

**FOREIGN PATENT DOCUMENTS**

- DE 102010017211 A1 12/2011
  - DE 102010017258 A1 12/2011
- (Continued)

**OTHER PUBLICATIONS**

International Search Report and Written Opinion dated Mar. 17, 2017 in corresponding PCT Patent Application No. PCT/US 16/58155, 12 pgs.

(Continued)

*Primary Examiner* — Ruth McInroy  
(74) *Attorney, Agent, or Firm* — Grossman Tucker Perreault & Pfleger, PLLC

(57) **CLAIM**

The ornamental design of a surface cleaning head with dual rollers, as shown and described.

**DESCRIPTION**

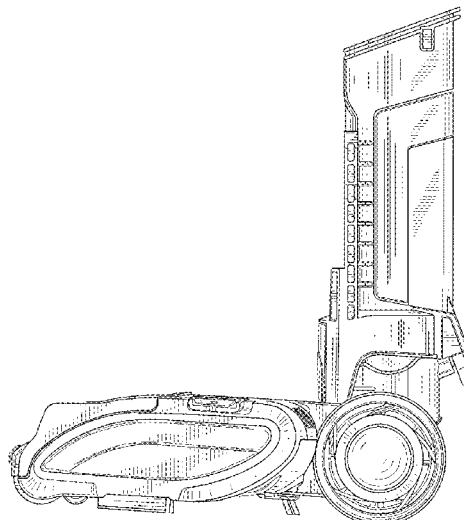
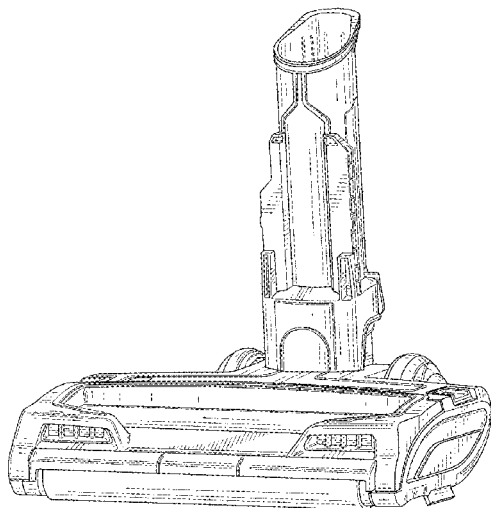
FIG. 1 is a perspective view of a surface cleaning head with dual rollers showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is a bottom perspective view thereof.

**1 Claim, 8 Drawing Sheets**

- (22) Filed: **May 25, 2017**
- (51) **LOC (11) Cl.** ..... **15-05**
- (52) **U.S. Cl.**  
USPC ..... **D32/33**
- (58) **Field of Classification Search**  
USPC ..... D32/31–34, 20–22, 38–39, 45  
CPC ..... A47L 9/02; A47L 9/04; A47L 9/06; A47L  
9/0477; A47L 9/2842; A47L 9/0693;  
A47L 9/0444; A47L 9/0461; A47L 9/325;  
A47L 9/28; A47L 5/362; A47L 5/365;  
A47L 5/325; A47L 5/28; A47L 5/30;  
A47L 5/34; A47L 5/36; A47L 5/02; A47L  
5/24; A47L 11/4044; E04H 4/1654; A46B  
13/001; E01H 1/0854  
See application file for complete search history.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**

- 4,138,762 A 2/1979 Jost et al.
- 4,372,004 A 2/1983 Vermillion
- 4,627,127 A 12/1986 Dupre
- D348,548 S 7/1994 Pino
- 5,960,514 A 10/1999 Miller et al.
- D440,019 S \* 4/2001 Mehaffey ..... D32/32
- 6,237,188 B1 5/2001 Takemoto et al.
- D473,687 S 4/2003 Kaffenberger



(56)

References Cited

U.S. PATENT DOCUMENTS

D619,315 S \* 7/2010 Ayers ..... D32/32  
 D635,728 S 4/2011 Fjellman  
 7,979,952 B2 7/2011 Beskow et al.  
 D655,468 S \* 3/2012 Karsan ..... D32/33  
 D668,010 S 9/2012 Stickney et al.  
 8,402,600 B2 3/2013 Beskow et al.  
 D681,291 S 4/2013 Morgan et al.  
 8,745,818 B2 6/2014 Iles et al.  
 D720,104 S 12/2014 Santiago et al.  
 9,027,198 B2 5/2015 Conrad  
 D731,130 S 6/2015 Dyson et al.  
 D731,134 S 6/2015 Dyson et al.  
 D731,136 S 6/2015 Yun et al.  
 D731,720 S 6/2015 Gidwell et al.  
 D731,724 S 6/2015 Cheon et al.  
 9,066,640 B2 6/2015 Iles et al.  
 D738,583 S \* 9/2015 Gidwell ..... D32/25  
 D738,584 S 9/2015 Niedzwecki  
 D739,620 S 9/2015 Johnson  
 9,144,356 B2 9/2015 Yun  
 D741,558 S 10/2015 Kerr  
 D742,083 S 10/2015 Gidwell et al.  
 D743,123 S 11/2015 Chu  
 D745,231 S 12/2015 Niedzwecki  
 D747,571 S 1/2016 Dyson  
 D747,572 S 1/2016 Kerr  
 9,314,140 B2 4/2016 Eriksson  
 D761,507 S 7/2016 Heck et al.  
 D762,030 S 7/2016 Johnson  
 D762,031 S \* 7/2016 Niedzwecki ..... D32/32  
 9,451,853 B2 9/2016 Conrad et al.  
 D769,557 S 10/2016 Johnson  
 D770,111 S 10/2016 Lee et al.  
 9,468,346 B1 10/2016 Rzepka  
 D771,890 S 11/2016 Kim  
 D772,512 S 11/2016 Yoon et al.  
 D773,139 S \* 11/2016 Palladino ..... D32/32  
 D774,260 S 12/2016 Manning  
 D774,264 S 12/2016 Bartram et al.  
 D779,751 S 2/2017 Chu  
 D779,752 S \* 2/2017 Johnson ..... D32/32  
 D781,014 S 3/2017 Wu et al.  
 D788,393 S \* 5/2017 Canas ..... D32/32  
 D789,007 S \* 6/2017 Jang ..... D32/32  
 D790,785 S 6/2017 Courtney et al.

D792,665 S 7/2017 Salagnac  
 D796,134 S 8/2017 Labarbera  
 D796,136 S \* 8/2017 Reynolds ..... D32/33  
 2002/0124334 A1 9/2002 Worwag  
 2005/0172447 A1 8/2005 Roney et al.  
 2006/0191097 A1 8/2006 Baumhake  
 2009/0229075 A1 9/2009 Eriksson  
 2012/0311813 A1 12/2012 Gilbert, Jr. et al.  
 2013/0139349 A1 6/2013 Iles et al.  
 2014/0060577 A1 3/2014 Bruders et al.  
 2014/0196247 A1 7/2014 Kasper et al.  
 2014/0237760 A1 8/2014 Conrad  
 2015/0033498 A1 2/2015 McVey  
 2015/0359396 A1 12/2015 Yun  
 2016/0058257 A1 3/2016 Ventress et al.  
 2016/0345795 A1 12/2016 Manning

FOREIGN PATENT DOCUMENTS

EM 003404540003 4/2016  
 EM 0034045400004 4/2016  
 EP 1994869 11/2008  
 EP 2543301 9/2013  
 GB 2109224 6/1983  
 GB 2476811 7/2011  
 GB 2529819 9/2016  
 JP 03228721 A 10/1991  
 JP 05228083 A 9/1993  
 JP 2639155 B2 8/1997  
 JP 2004222912 A 8/2004  
 JP 2006312066 A 11/2006  
 KR 100593324 B1 6/2006  
 WO 9210967 A1 7/1992  
 WO 2009117383 9/2009  
 WO 2014177216 11/2014  
 WO 2015015166 2/2015  
 WO 2015015167 2/2015  
 WO 2016034848 3/2016

OTHER PUBLICATIONS

International Search Report and Written Opinion dated Mar. 24, 2017 in corresponding PCT Patent Application No. PCT/US 16/58148, 14 pgs.  
<https://www.pinterest.com>, "The Deeper Cleaning Airtight Vacuum—Hammacher Schlemmer", Jan. 24, 2019, 4 pgs.

\* cited by examiner

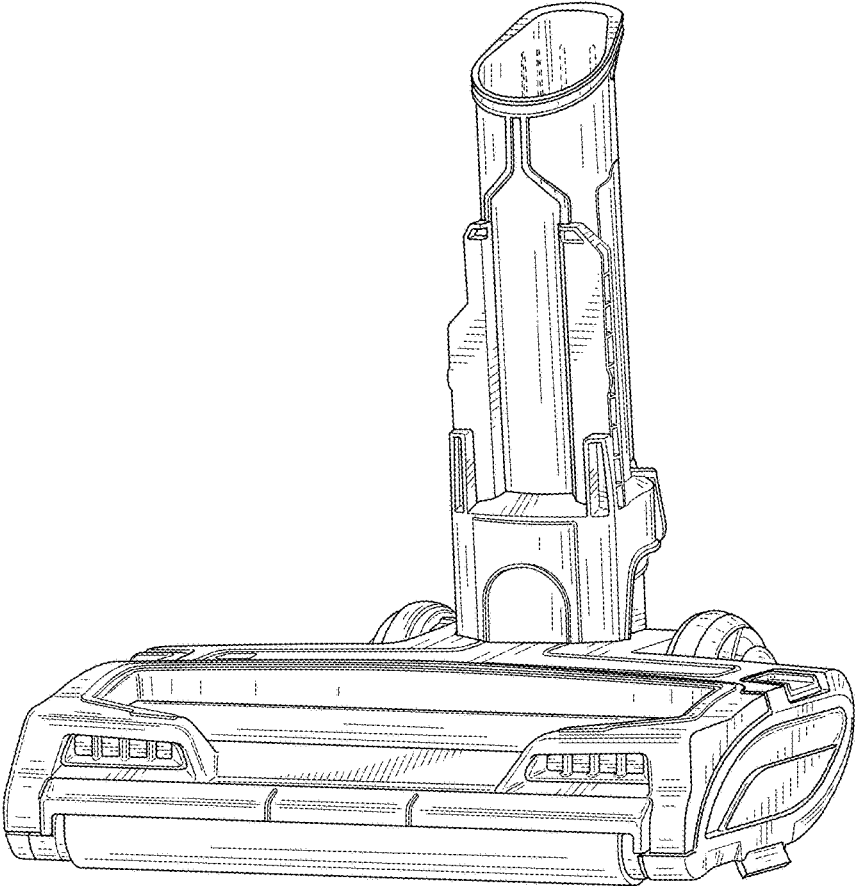


FIG. 1

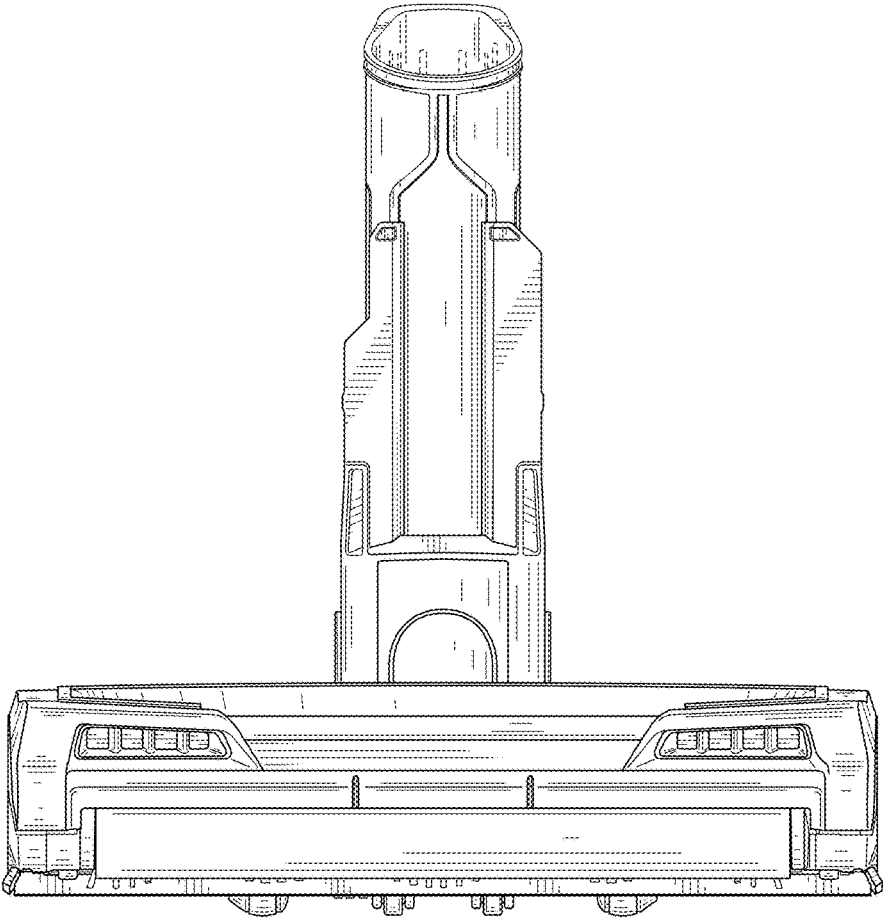


FIG. 2

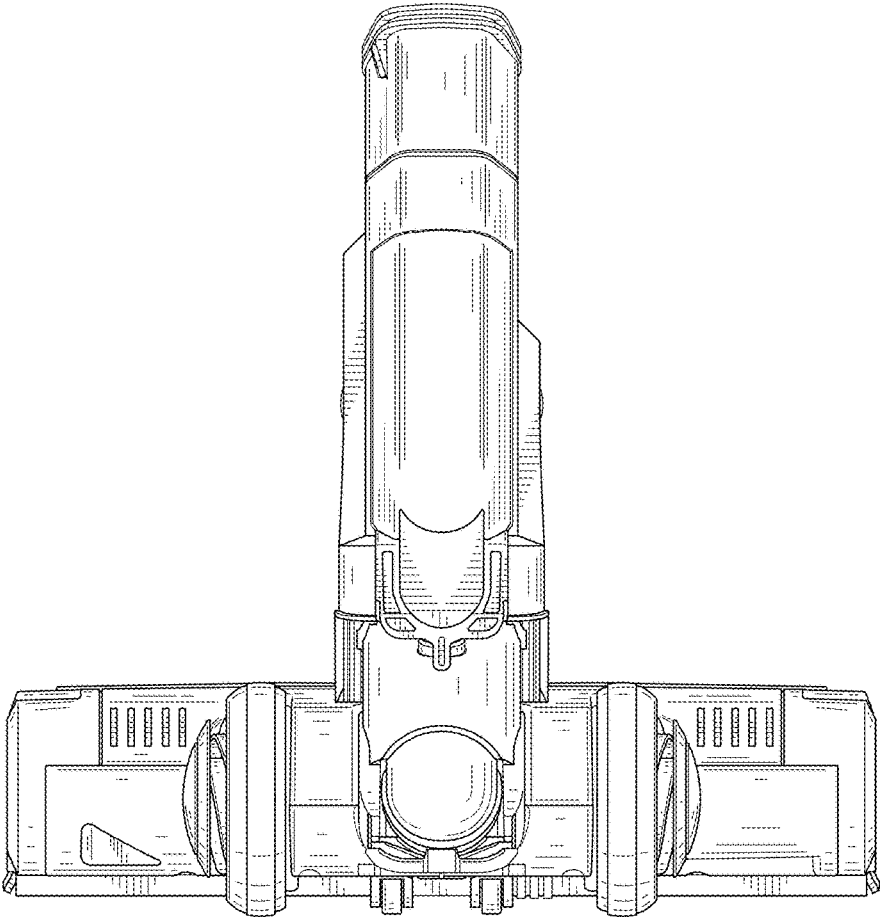


FIG. 3

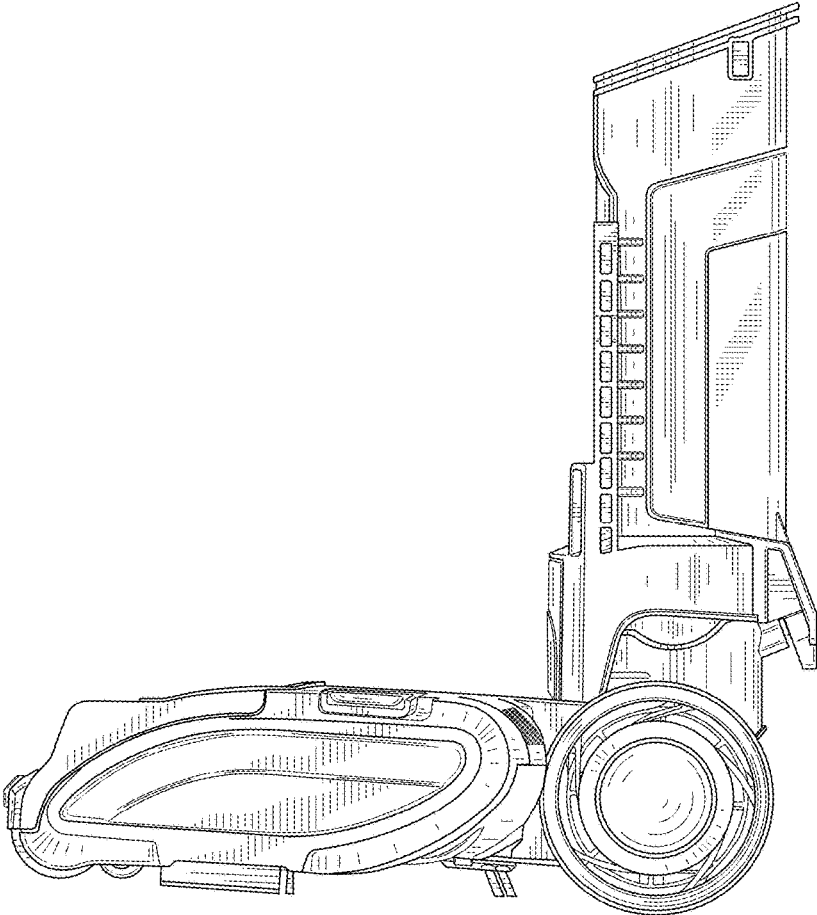


FIG. 4

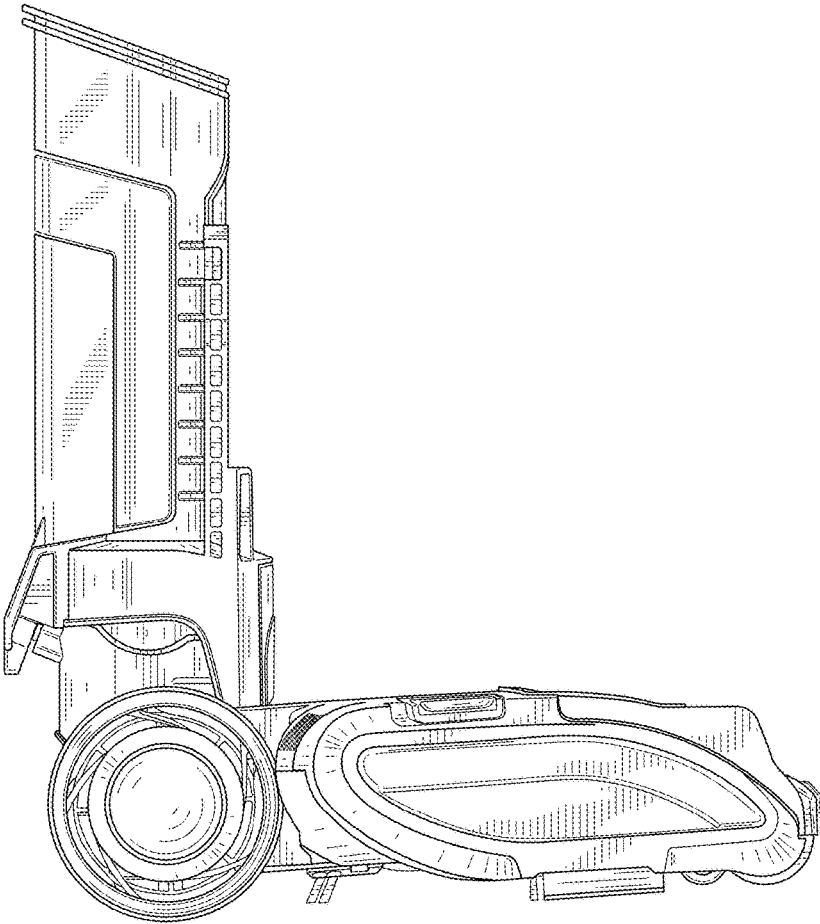


FIG. 5

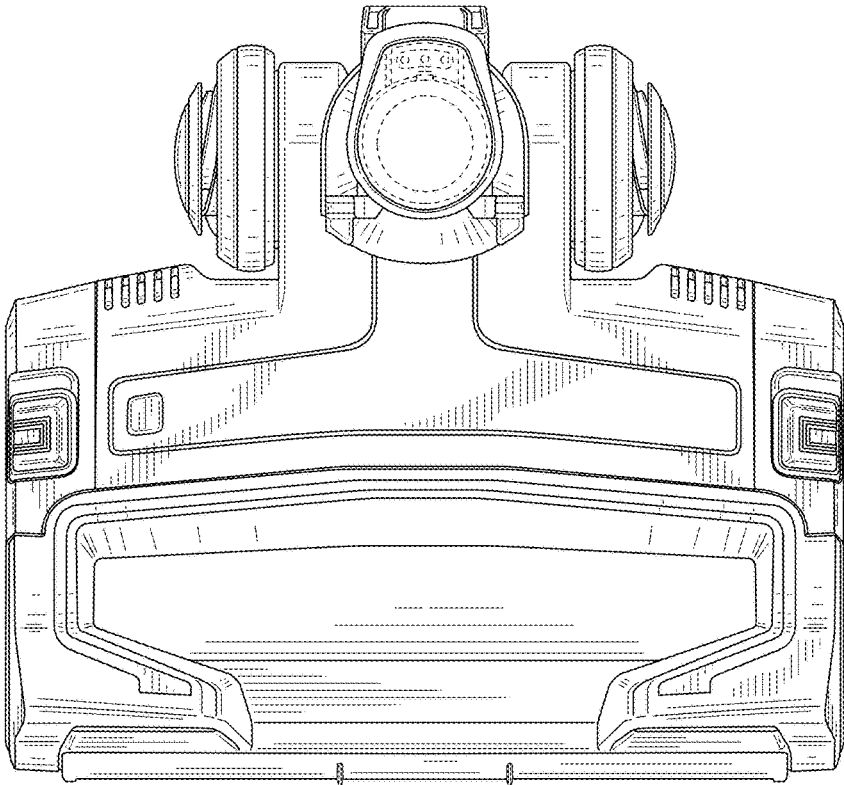


FIG. 6



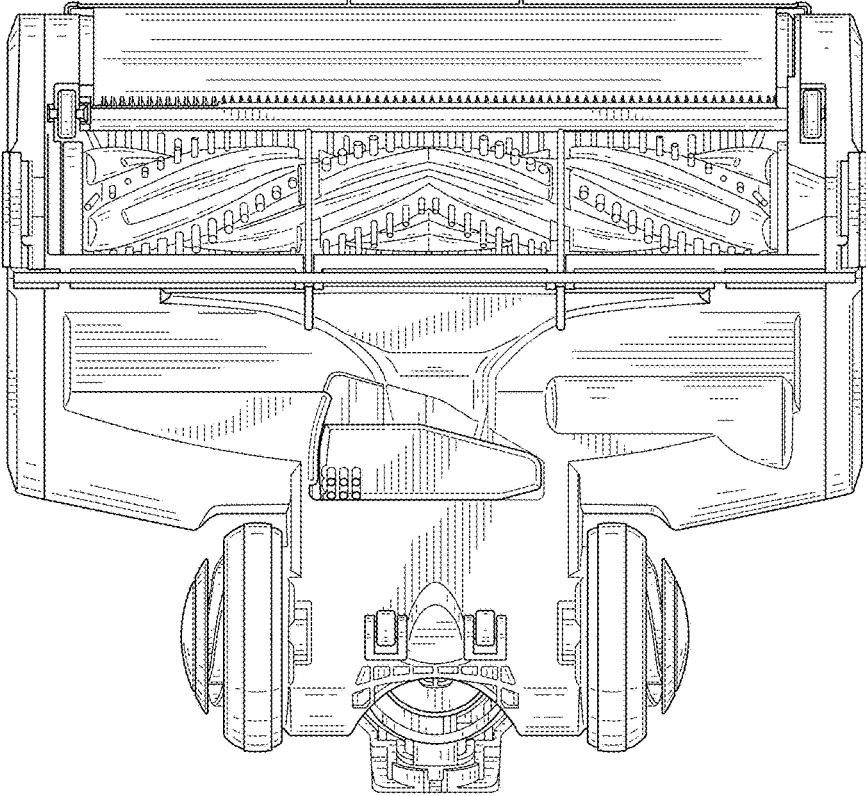


FIG. 7

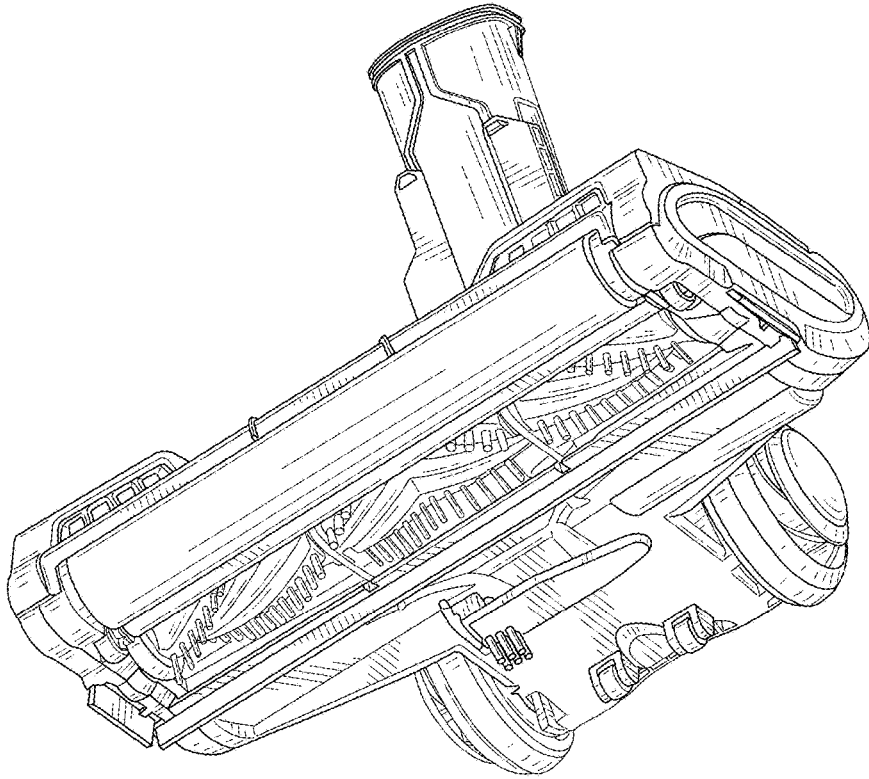


FIG. 8