



US00D535070S

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

(10) **Patent No.:** **US D535,070 S**

(45) **Date of Patent:** **\*\* Jan. 9, 2007**

(54) **VACUUM CLEANER**

(75) **Inventor:** **Hyun Seon Shin, Gyeonggi-do (KR)**

(73) **Assignee:** **LG Electronics Inc., Seoul (KR)**

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

(21) **Appl. No.:** **29/232,299**

(22) **Filed:** **Jun. 17, 2005**

(51) **LOC (8) Cl.** ..... **15-05**

(52) **U.S. Cl.** ..... **D32/22**

(58) **Field of Classification Search** ..... D32/22,  
D32/31; 15/222, 320-322, 326, 329, 347,  
15/350, 352-354, 361, 410, 412, 415.1; 55/337,  
55/345, 459.1, 429, DIG. 3  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D375,820 S \* 11/1996 Piccaluga et al. .... D32/22

D462,813 S \* 9/2002 Nakano et al. .... D32/22

D494,720 S \* 8/2004 Rosenzweig et al. .... D32/31

D510,465 S \* 10/2005 Takahashi et al. .... D32/22

D516,760 S \* 3/2006 Choi ..... D32/22

\* cited by examiner

*Primary Examiner*—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Birch, Stewart, Kolasch & Birch, LLP

(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 my (our) new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

**1 Claim, 6 Drawing Sheets**

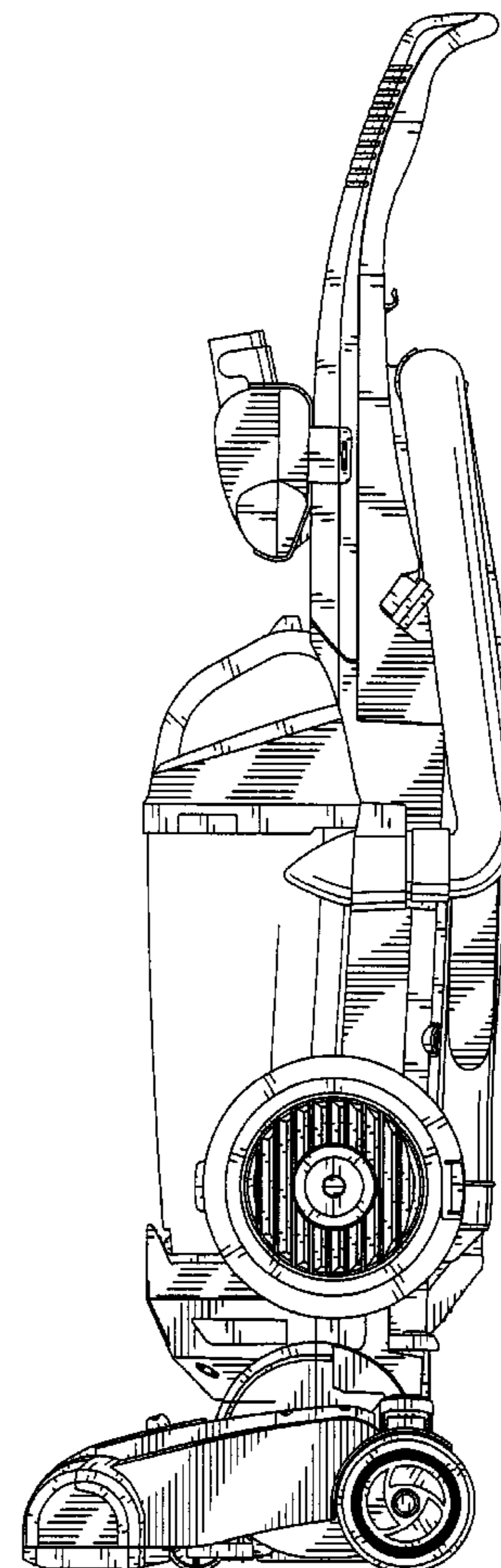
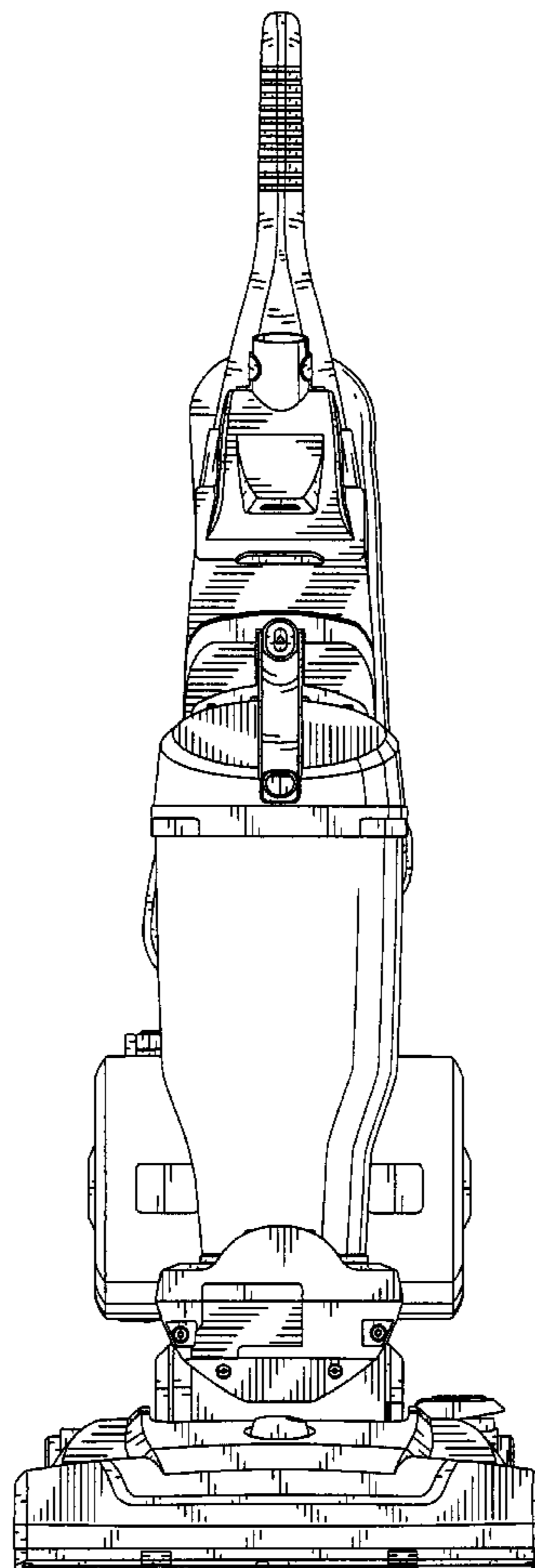
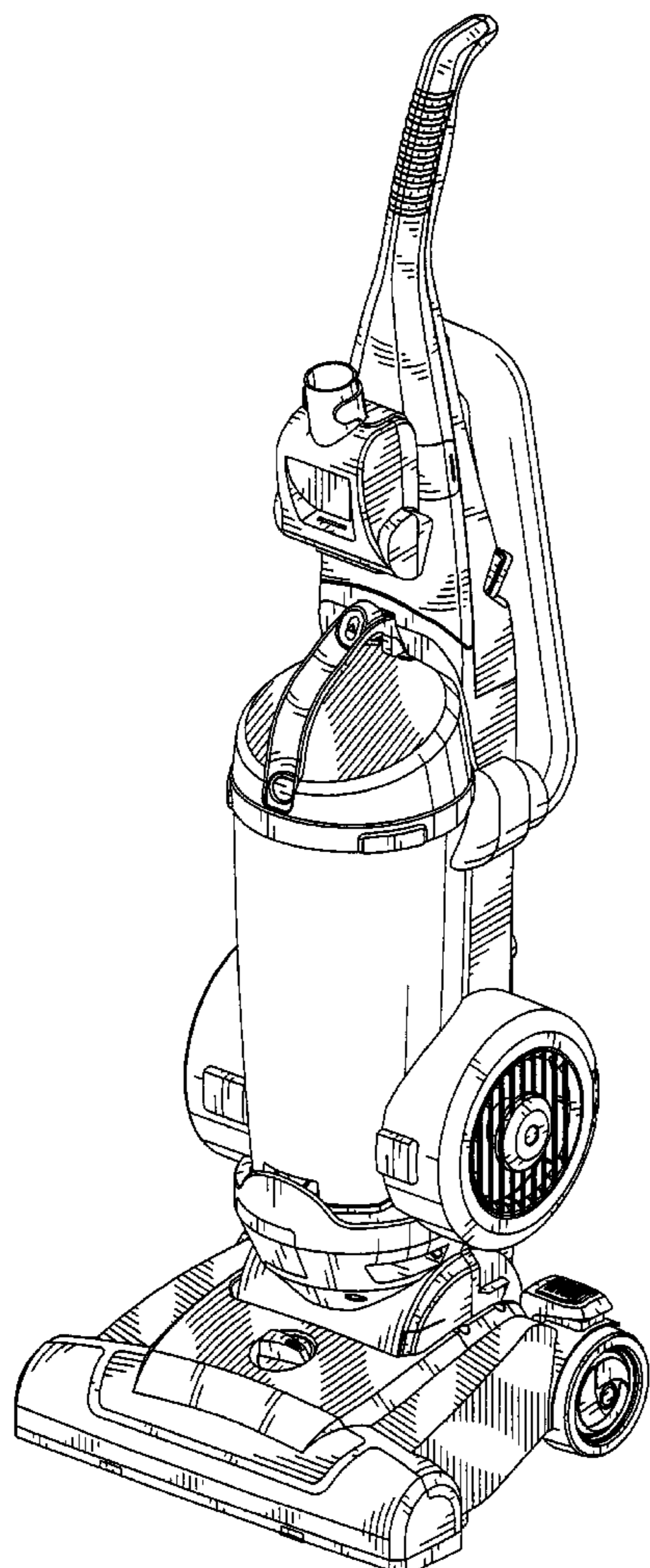


FIG. 1

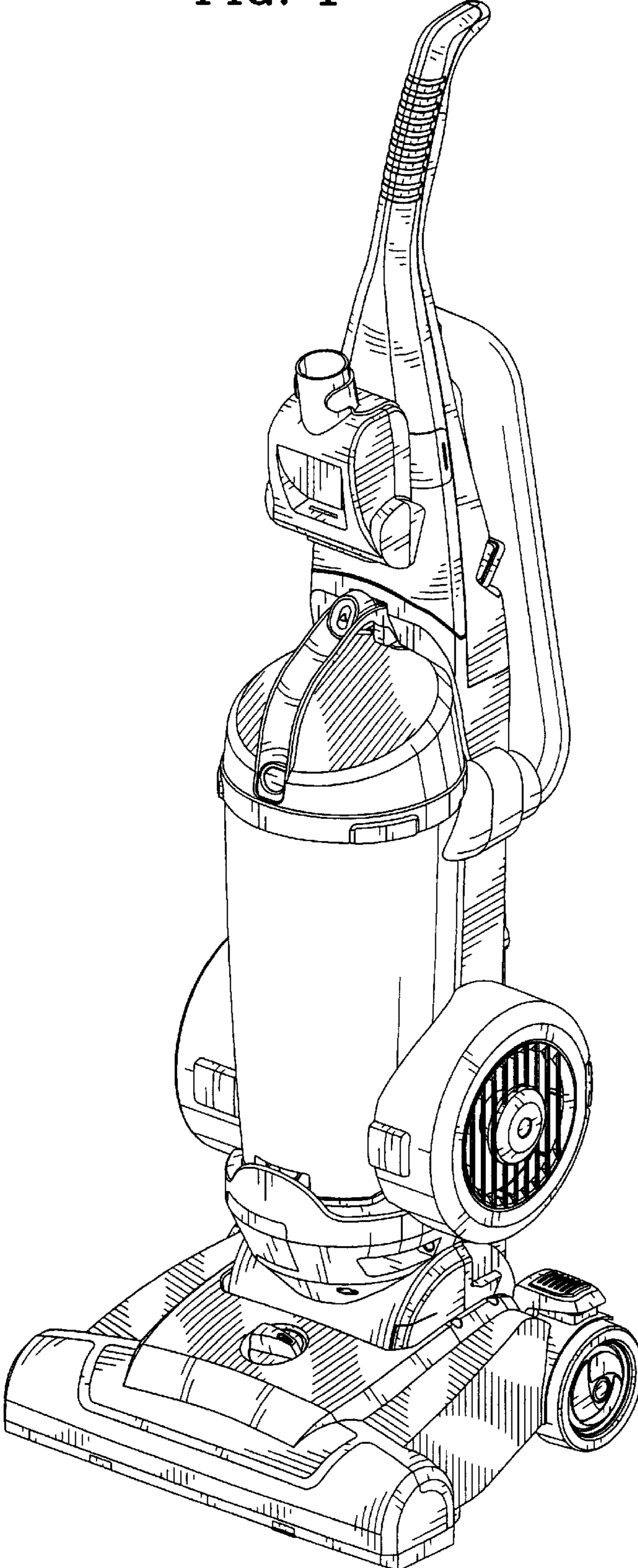


FIG. 2

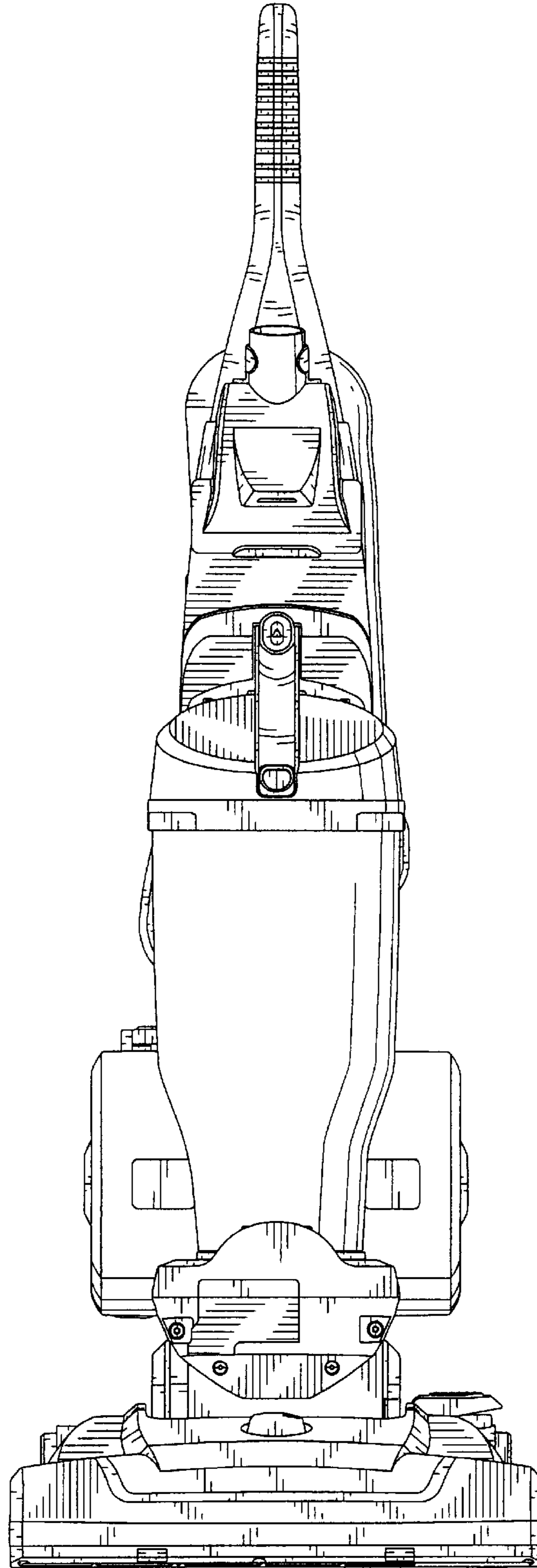


FIG. 3

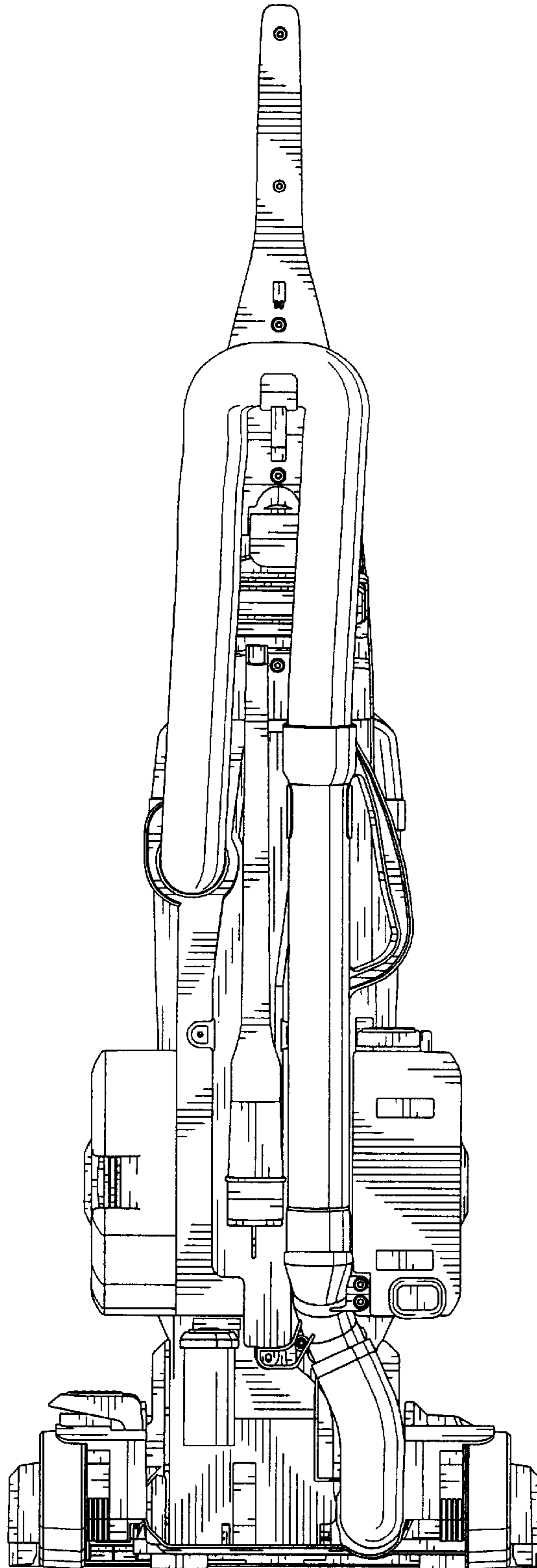




FIG. 4

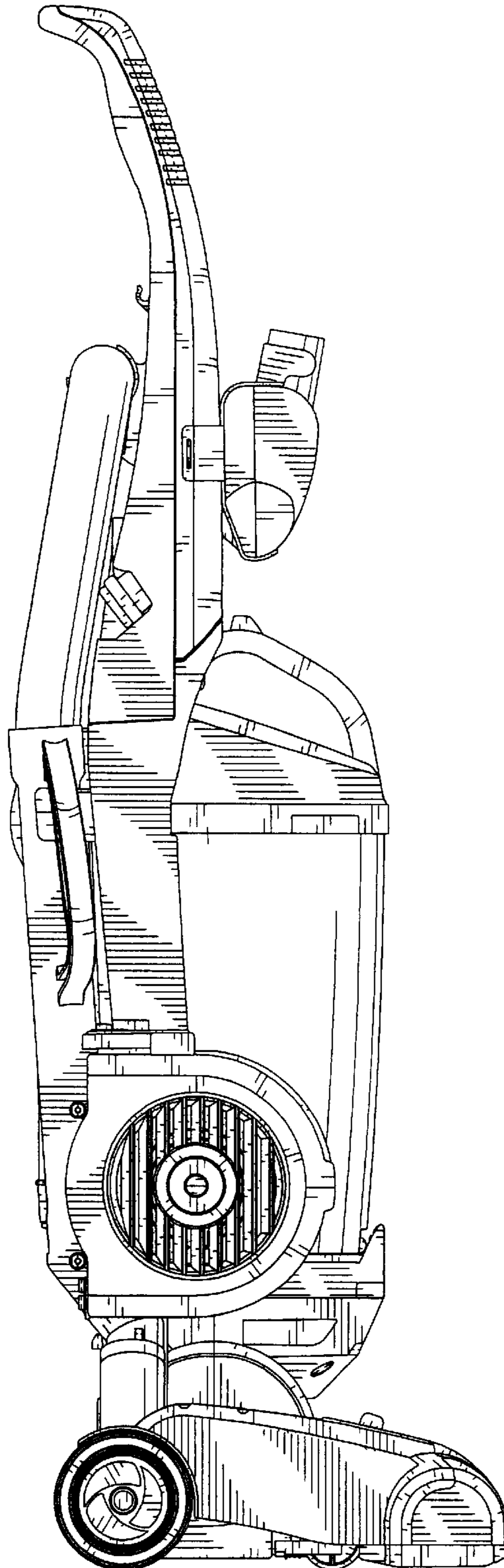


FIG. 5

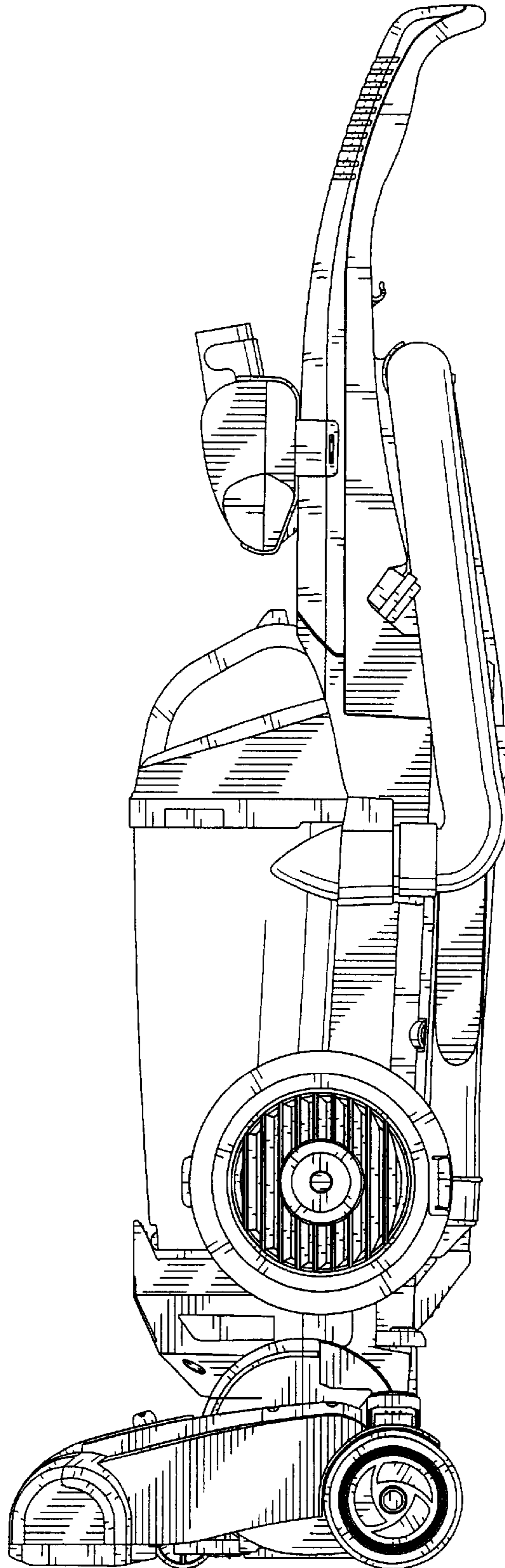


FIG. 6

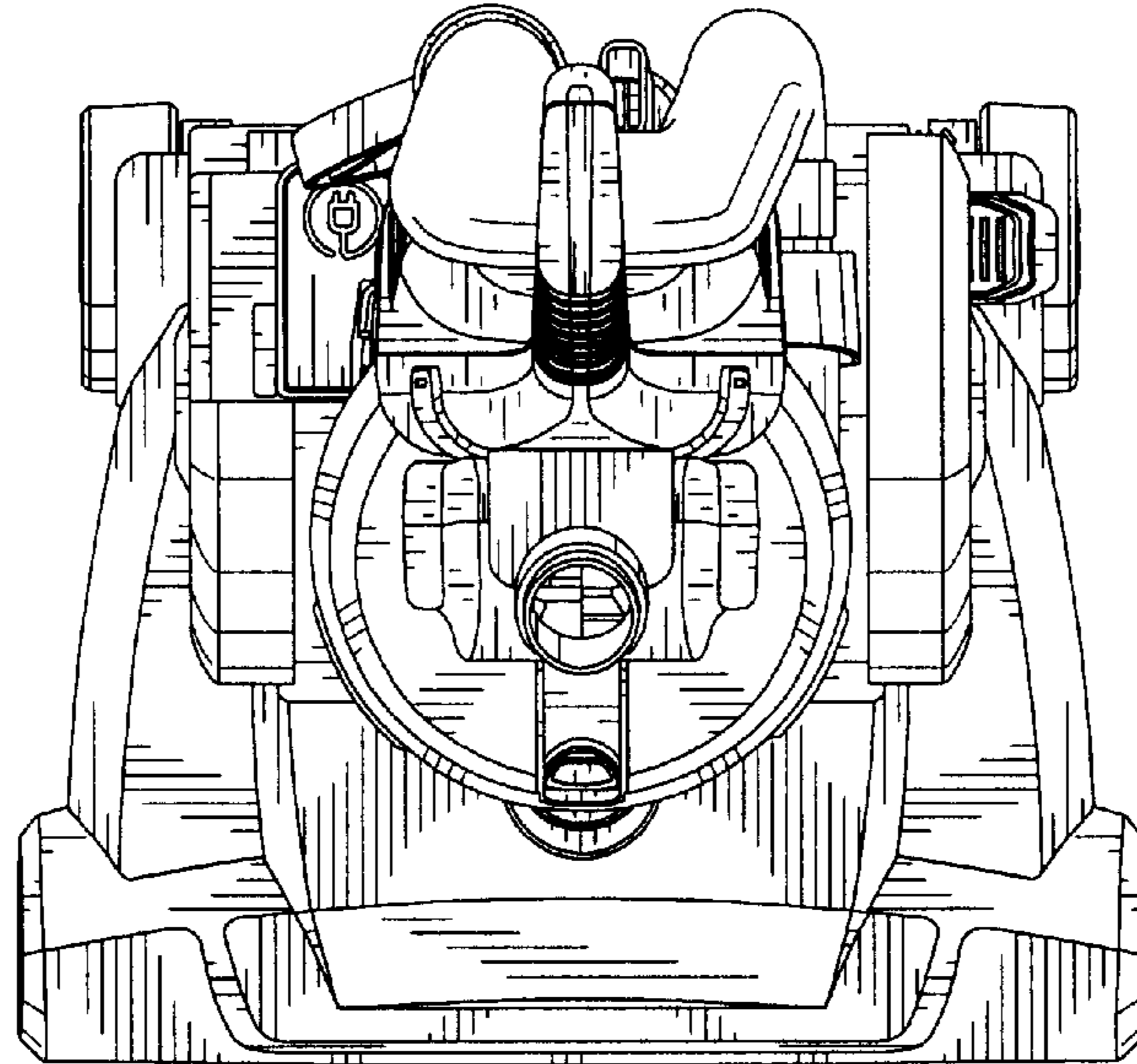


FIG. 7

