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

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(54) **VACUUM CLEANER**

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

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

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

(58) **Field of Classification Search** D32/1,
D32/15, 17-18, 21-25, 31, 34; 15/320-321,
15/323, 328-329, 344, 352-353, 356, 377,
15/327.1, 327.5, 327.6, 410-411, 361, 247;
55/337, 341.2, 347, 356, 459.1, 460, 484,
55/DIG. 3; 285/7

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,632,524 A * 3/1953 Senne 55/356
3,490,089 A * 1/1970 Lagerstrom 15/327.1

D340,557 S * 10/1993 Kardos D32/21
D378,152 S * 2/1997 deBlois et al. D32/21
5,647,091 A * 7/1997 deBlois et al. 15/323
D435,322 S * 12/2000 DeBlasis et al. D32/21
D451,653 S * 12/2001 Berreth et al. D32/17

* cited by examiner

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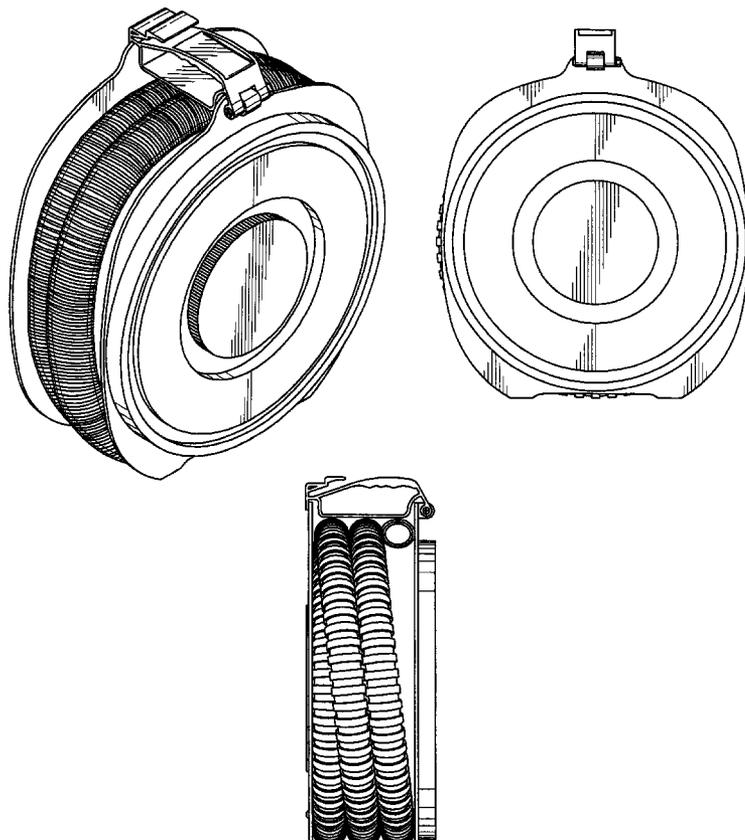
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner showing
my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a perspective view in an operative position, the
cutoff hose end representing indeterminate length.

1 Claim, 5 Drawing Sheets



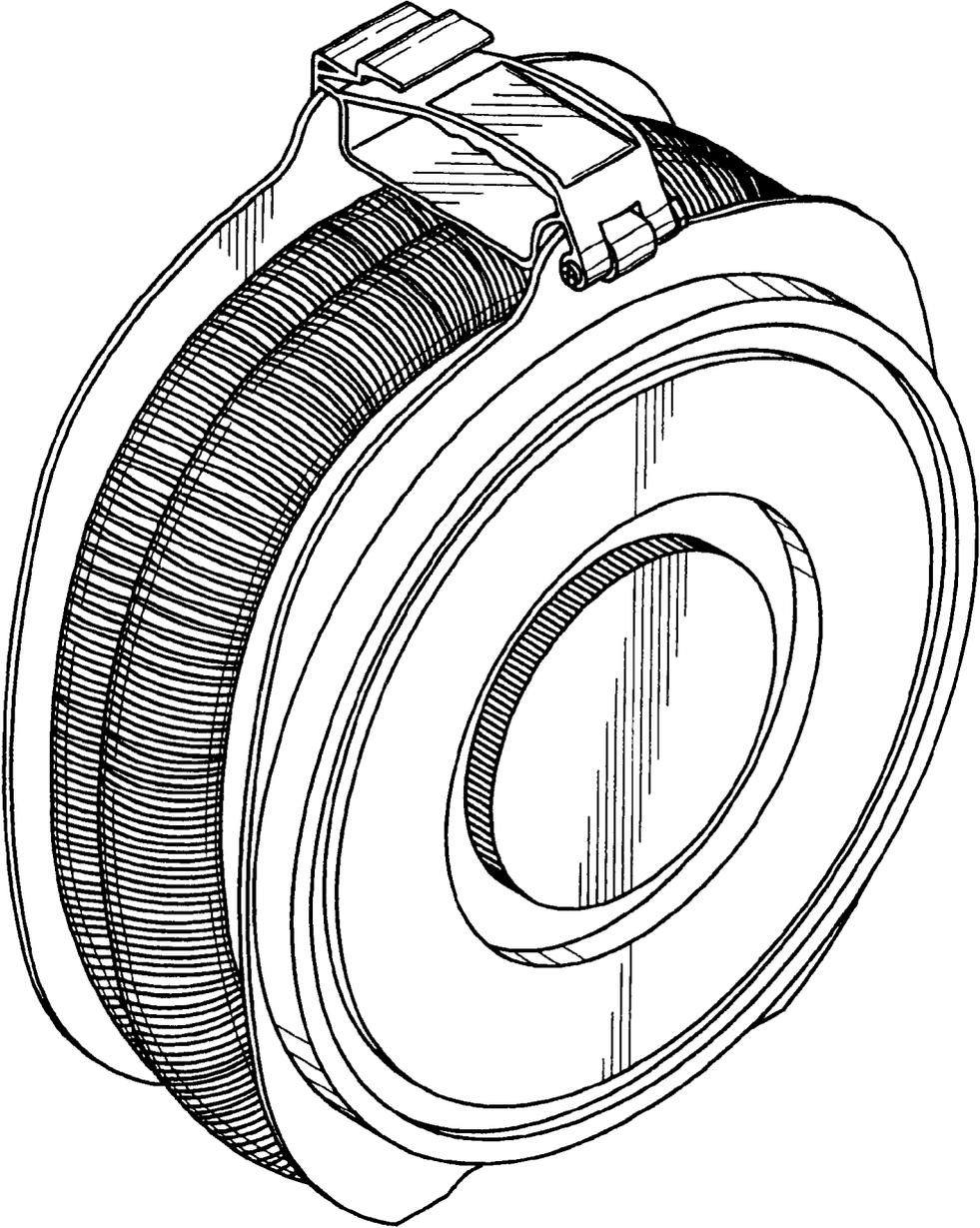


FIG. 1

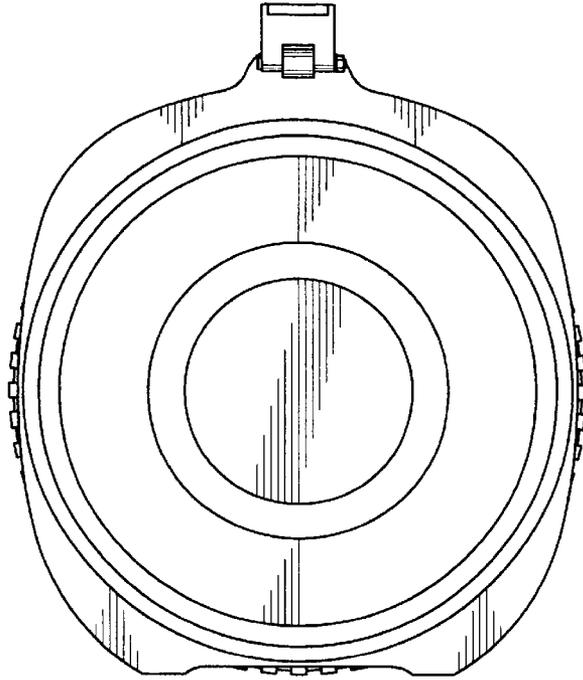


FIG. 2

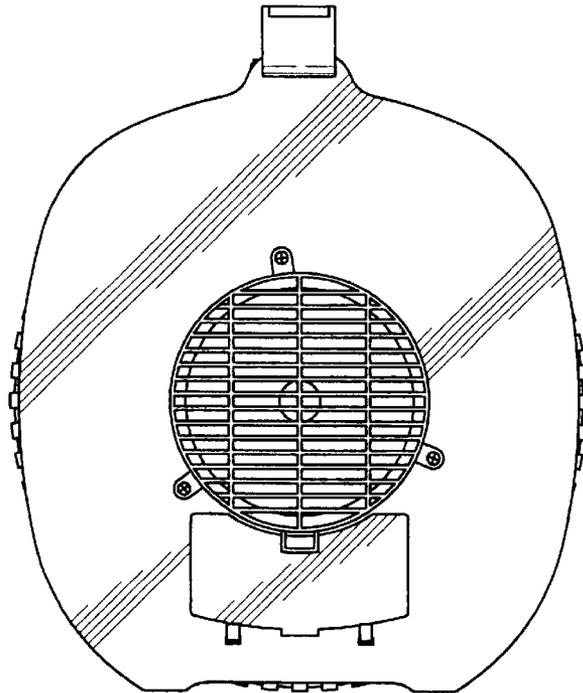


FIG. 3

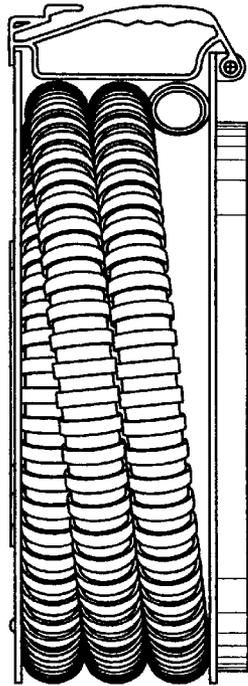


FIG. 4

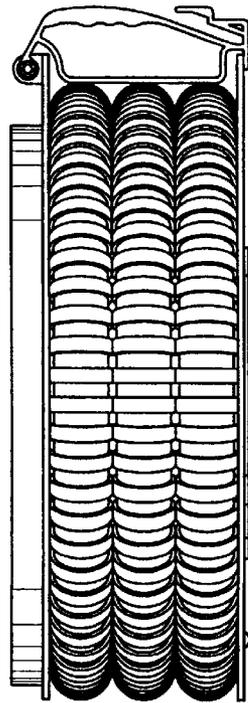


FIG. 5

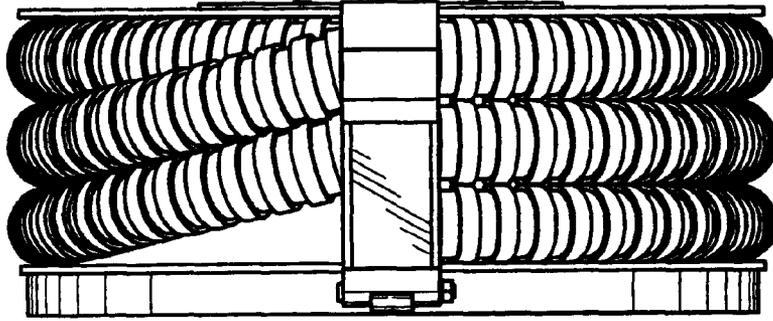


FIG. 6

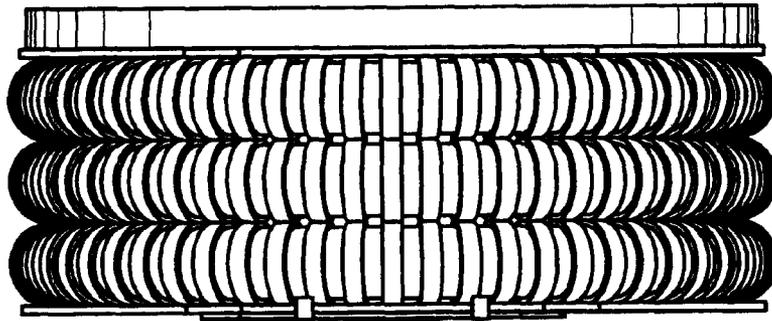


FIG. 7

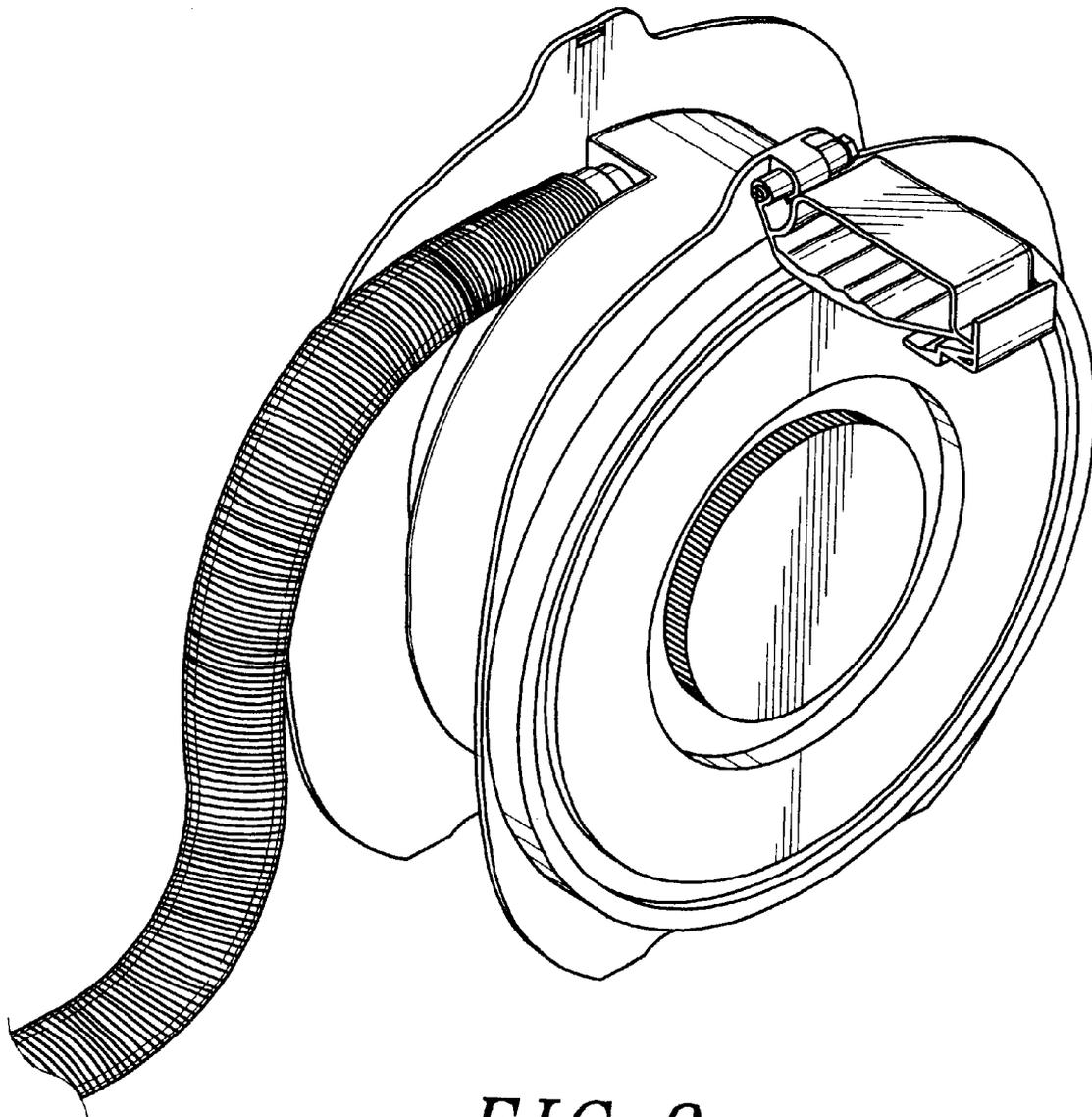


FIG. 8