

US00D501065S

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

(10) **Patent No.:** **US D501,065 S**
(45) **Date of Patent:** **** Jan. 18, 2005**

(54) **HANDHELD ROTARY VACUUM CLEANER**

(76) **Inventor:** **Mei-Chun Ma**, Room 1905 Tao Yuen House Chuk Yuen North Estate, Wong Tai Sin, Kowloon (HK)

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

(21) **Appl. No.:** **29/181,964**

(22) **Filed:** **May 16, 2003**

(51) **LOC (7) Cl.** **15-05**

(52) **U.S. Cl.** **D32/18**

(58) **Field of Search** D32/17-18, 31;
15/347, 344, 329, 353

(56) **References Cited**

U.S. PATENT DOCUMENTS

D280,452 S	9/1985	Arita	
D294,412 S	2/1988	Sadashima et al.	
D302,876 S	8/1989	Ikeda et al.	
D304,104 S	10/1989	Busalt et al.	
D306,505 S	3/1990	Bradd	
D307,657 S	5/1990	Li	
D320,099 S	9/1991	Case et al.	
D326,169 S	5/1992	Stützer et al.	
D376,228 S	12/1996	Bass et al.	
D379,691 S	6/1997	Moine et al.	
D387,516 S	12/1997	Murray et al.	
D401,021 S	* 11/1998	Stephens et al.	D32/18
D418,262 S	* 12/1999	Yuen	D32/18
D421,671 S	* 3/2000	Thomas et al.	D32/18
D432,743 S	10/2000	Santiago	
D437,983 S	* 2/2001	Stratford	D32/18
D440,719 S	4/2001	Stratford	
D440,720 S	* 4/2001	Stratford	D32/18
D441,151 S	4/2001	Stratford	

D441,152 S	4/2001	Stratford	
D441,926 S	5/2001	Stratford	
6,231,647 B1	* 5/2001	Cheng	96/226
D448,894 S	10/2001	Yuen	
D456,960 S	5/2002	Vandenbelt et al.	
D459,560 S	* 6/2002	Lau	D32/18
6,434,785 B1	8/2002	Vandenbelt et al.	
6,481,043 B1	11/2002	Anderson et al.	
D468,068 S	12/2002	Mok	
D471,331 S	3/2003	Pan	
D481,842 S	* 11/2003	Tai	D32/18

OTHER PUBLICATIONS

U.S. Appl. No. 29/176,115, Ma, filed Feb. 18, 2003.
U.S. Appl. No. 29/176,440, Cheng, filed Feb. 21, 2003.

* cited by examiner

Primary Examiner—Ruth McInroy
(74) *Attorney, Agent, or Firm*—Roy, Kiesel, Keegan & DeNicola

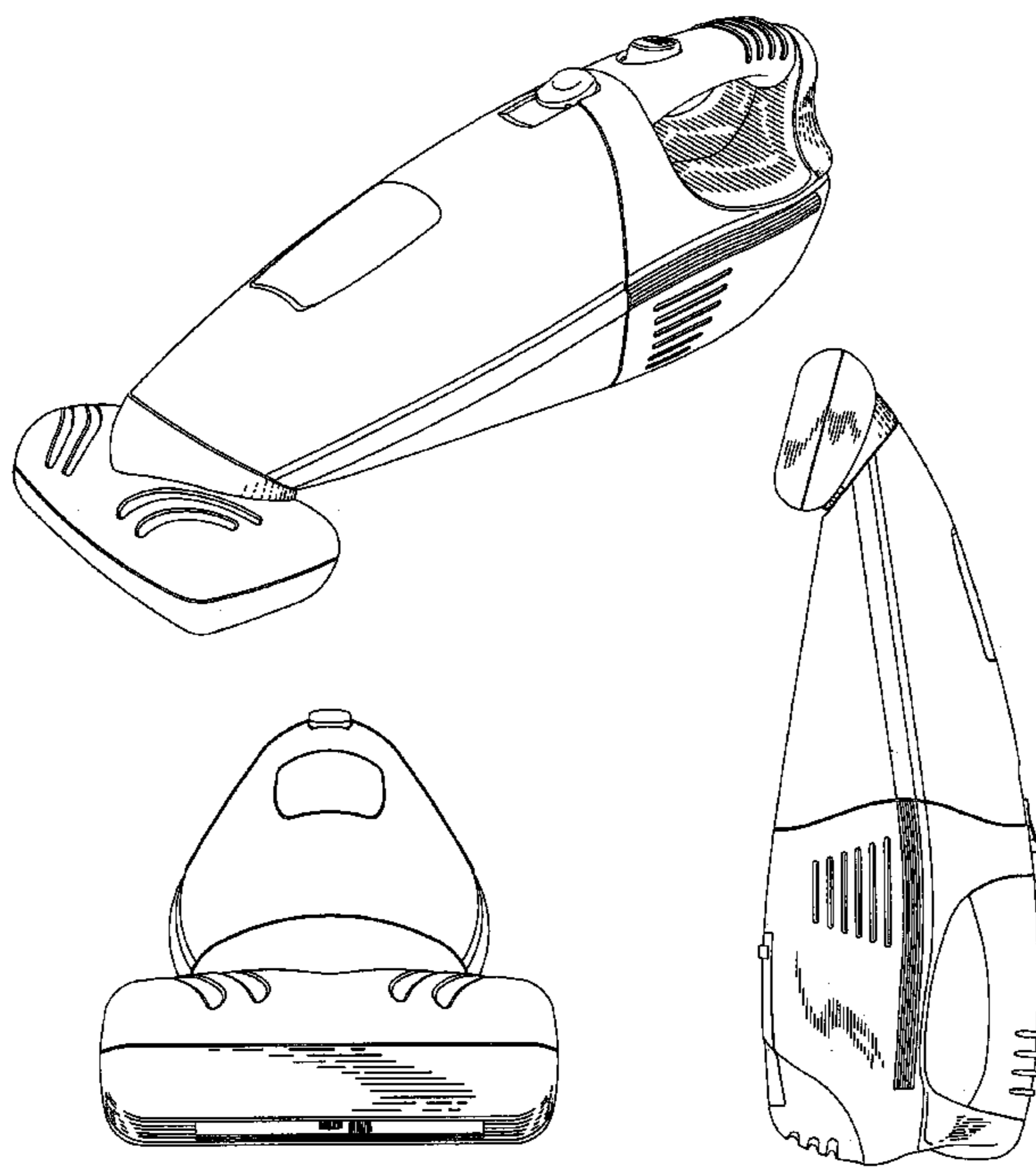
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a handheld rotary vacuum cleaner showing my 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; and,
FIG. 7 is a bottom view thereof.

1 Claim, 4 Drawing Sheets



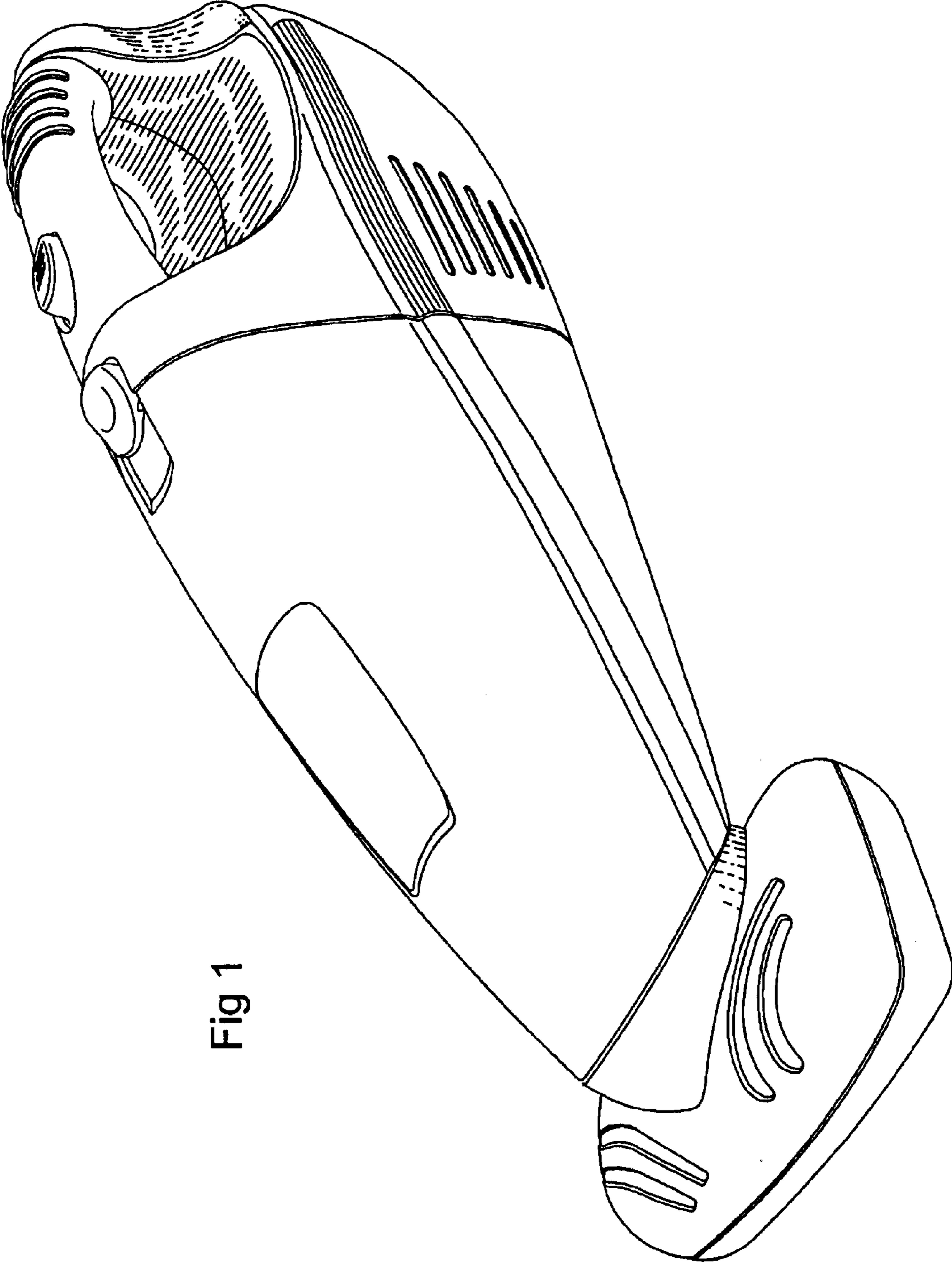


Fig 1

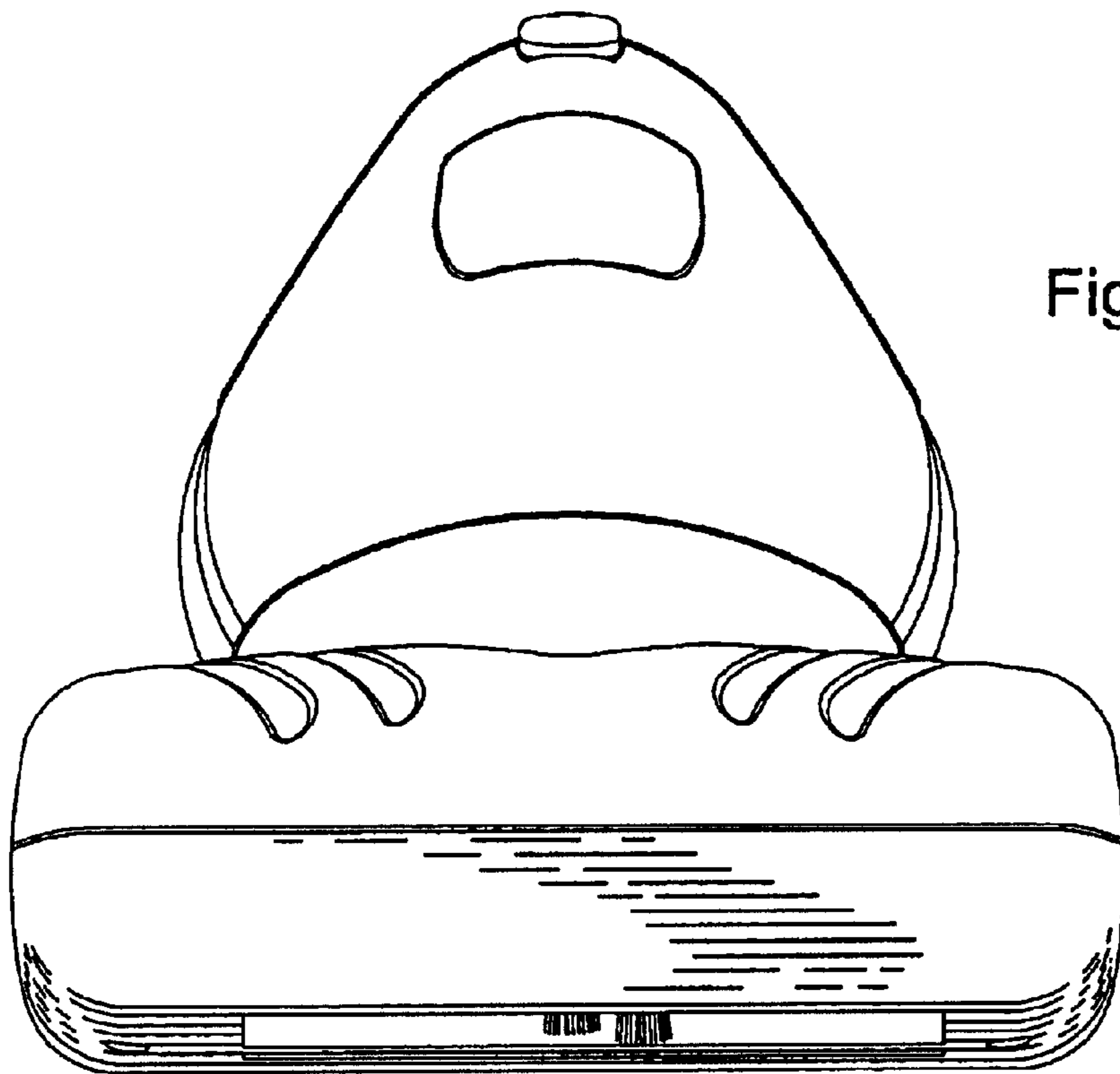
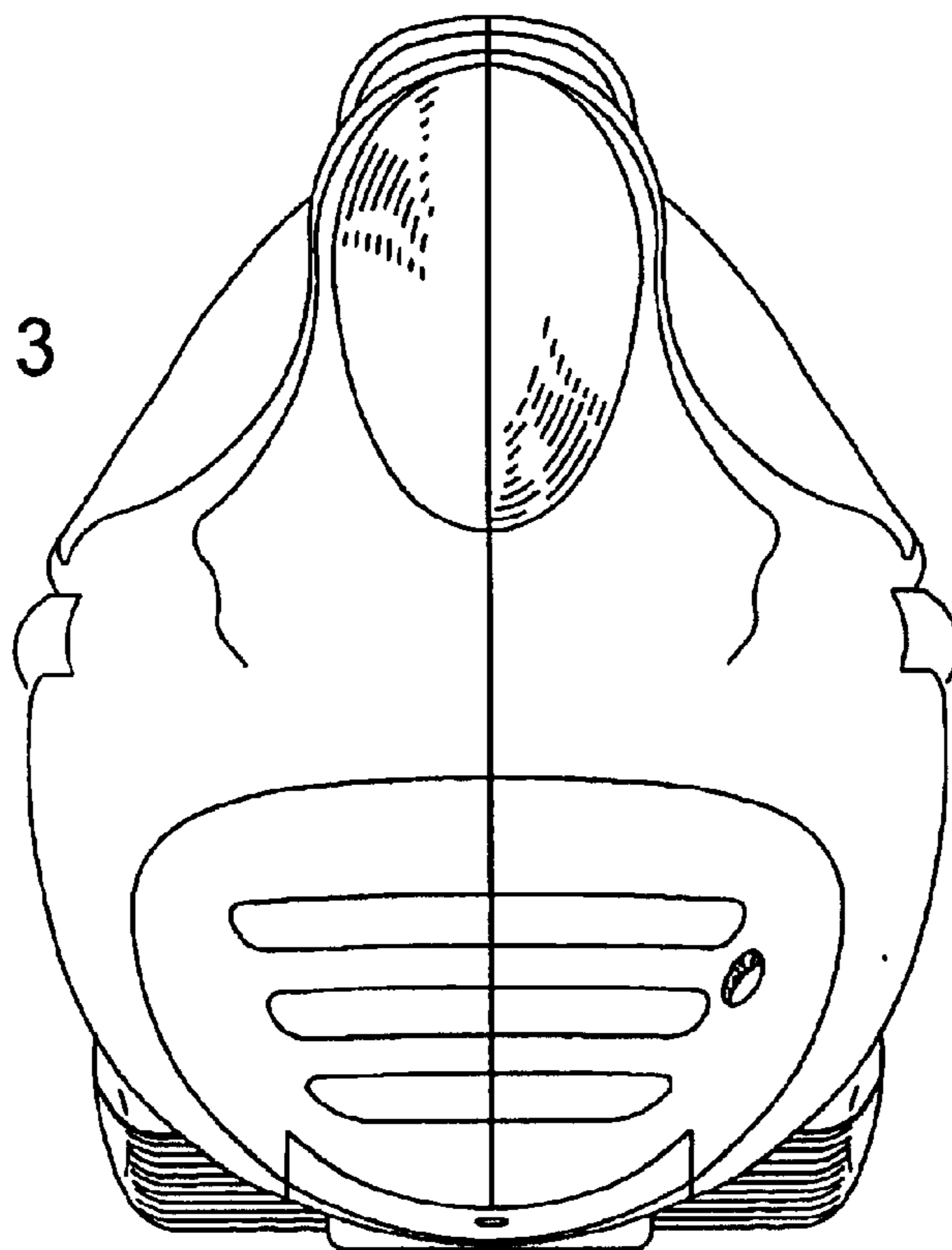


Fig 3



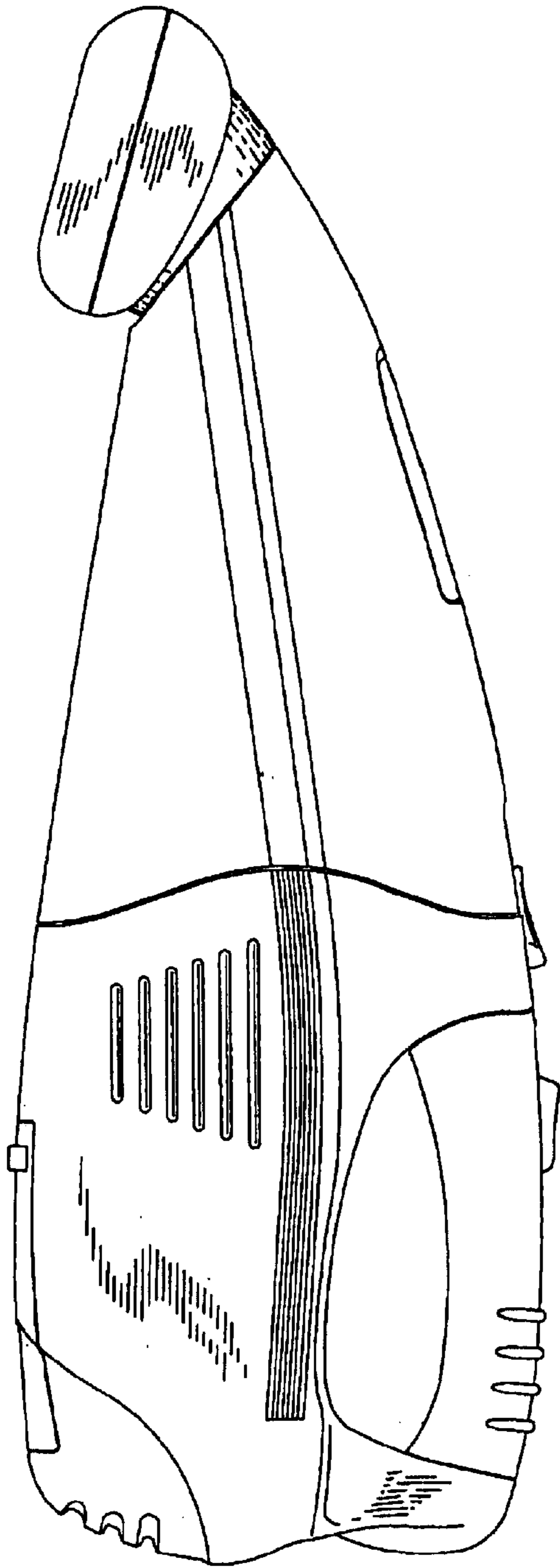


Fig 4

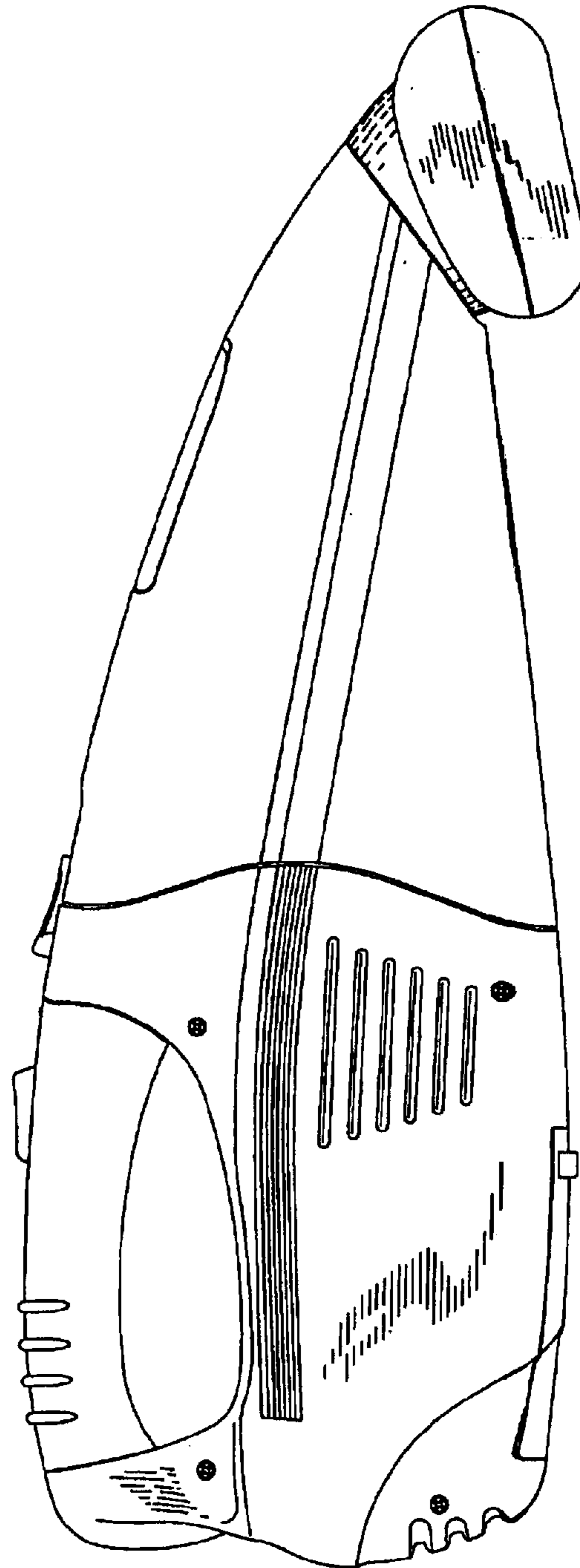


Fig 5

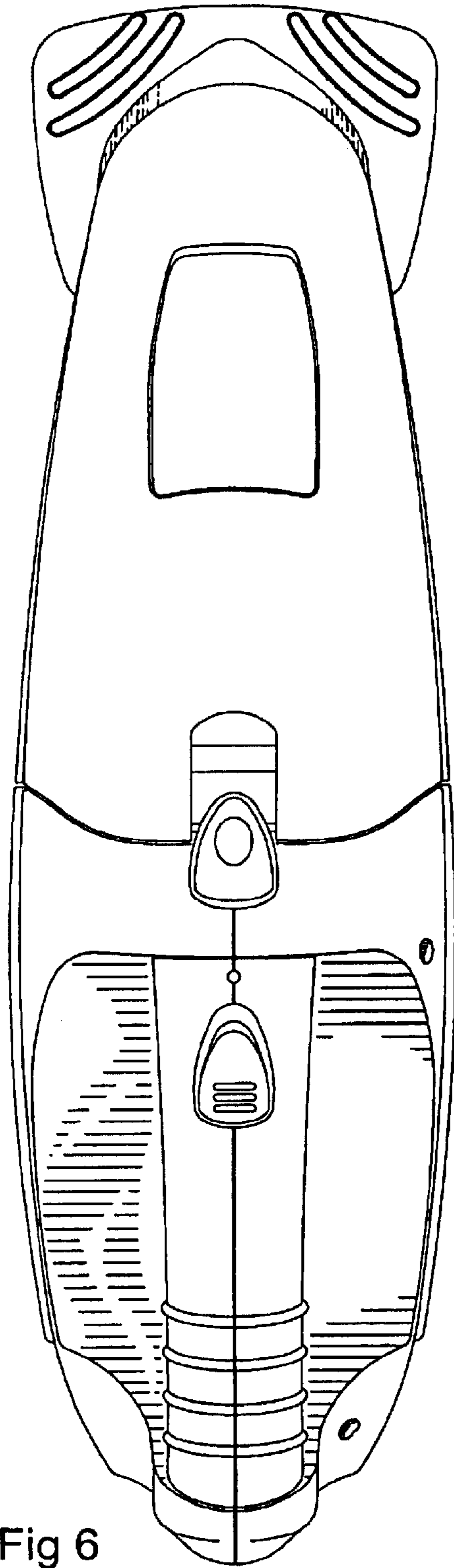


Fig 6

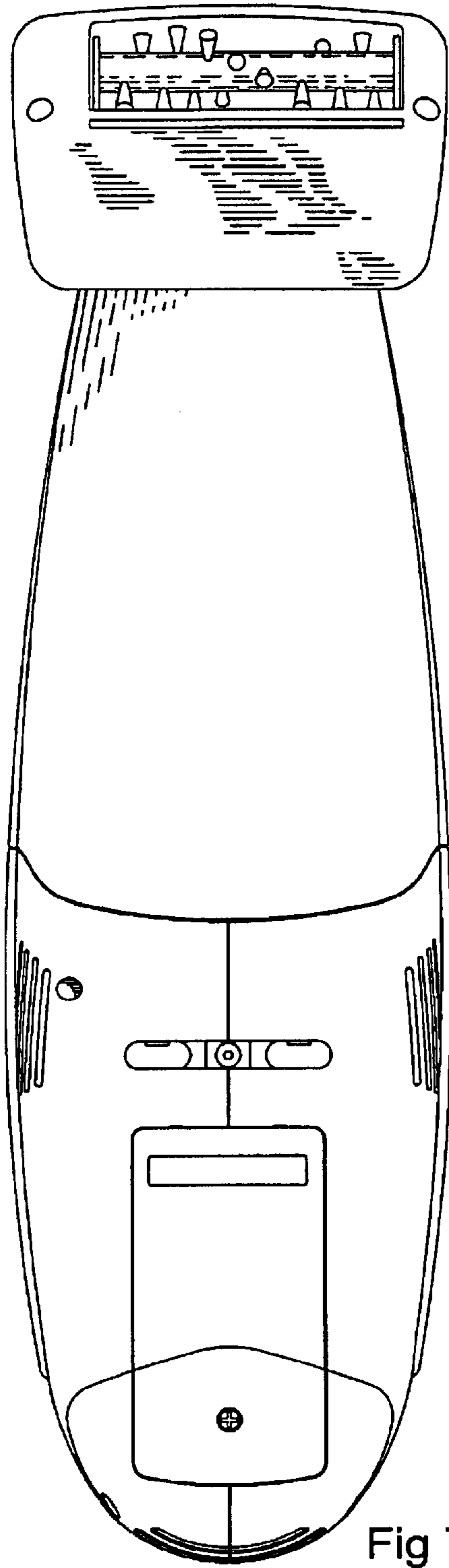


Fig 7