US00D405812S

United States Patent [19]

Miles

[11] **Patent Number: Des. 405,812**

[45] **Date of Patent: ***Feb. 16, 1999**

[54] **MULTI-LOBAL CHUCK**

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[73] Assignee: **Power Tool Holders Incorporated**, Wilmington, Del.

[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[**] Term: **14 Years**

[21] Appl. No.: **77,427**

[22] Filed: **Aug. 6, 1997**

[51] **LOC (6) Cl.** **15-09**
[52] **U.S. Cl.** **D15/140**; D8/70
[58] **Field of Search** D15/140; D8/70; 279/60–63, 69, 157, 902

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 359,217	6/1995	Owens et al.	D8/70
D. 361,076	8/1995	Shadeck et al.	D15/140
D. 366,052	1/1996	Barton et al.	D15/140
D. 386,193	11/1997	Steadings	D15/140

OTHER PUBLICATIONS

Twelve (12) photographs of drill chuck.

Primary Examiner—Antoine Duval Davis
Attorney, Agent, or Firm—Dority & Manning

[57] **CLAIM**

The ornamental design of a multi-lobal chuck, as shown and described.

DESCRIPTION

FIG. **1** is a rear view of a multi-lobal chuck in accordance with the present invention;

FIG. **2** is a side view of a multi-lobal chuck in accordance with the present invention;

FIG. **3** is a front view of a multi-lobal chuck in accordance with the present invention;

FIG. **4** is a side view, rotated 120 degrees, of the multi-lobal chuck in accordance with FIG. **2;**

FIG. **5** is a side view, rotated 120 degrees, of the view of FIG. **4;**

FIG. **6** is a front perspective view of a multi-lobal chuck in accordance with FIG. **1;**

FIG. **7** is a rear perspective view of a multi-lobal chuck in accordance with FIG. **1;**

FIG. **8** is a rear view of a multi-lobal chuck in accordance with a second embodiment of the present invention;

FIG. **9** is a side view of a multi-lobal chuck in accordance with the embodiment of FIG. **8;**

FIG. **10** is a front view of a multi-lobal chuck in accordance with the embodiment of FIG. **8;**

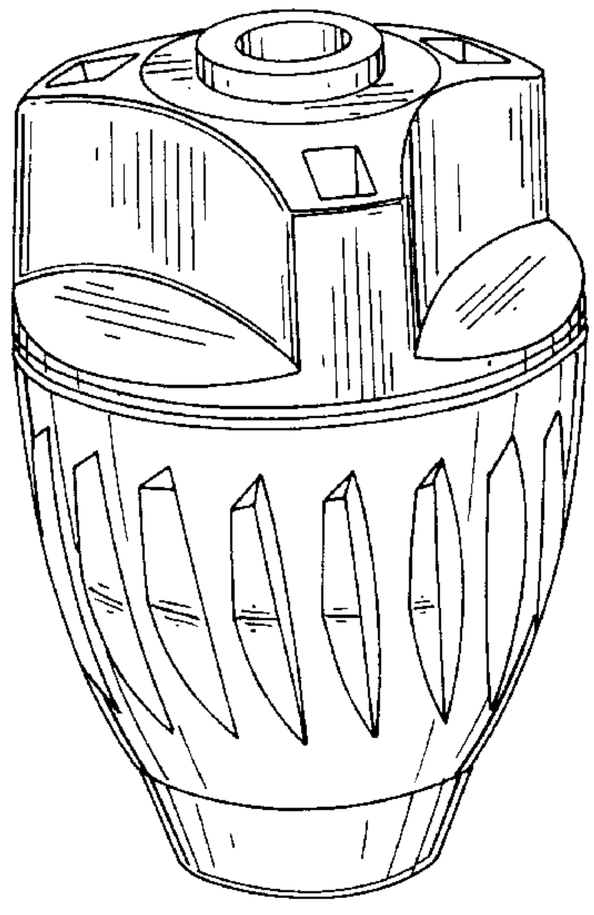
FIG. **11** is a side view, rotated 120 degrees from the view of FIG. **9,** of a multi-lobal chuck in accordance with the embodiment of FIG. **8;**

FIG. **12** is a side view, rotated 120 degrees from the view of FIG. **11** of a multi-lobal chuck in accordance with the present embodiment;

FIG. **13** is a front perspective view of a multi-lobal chuck in accordance with the embodiment of FIG. **8;** and,

FIG. **14** is a rear perspective view of a multi-lobal chuck in accordance with the embodiment of FIG. **8.**

1 Claim, 4 Drawing Sheets



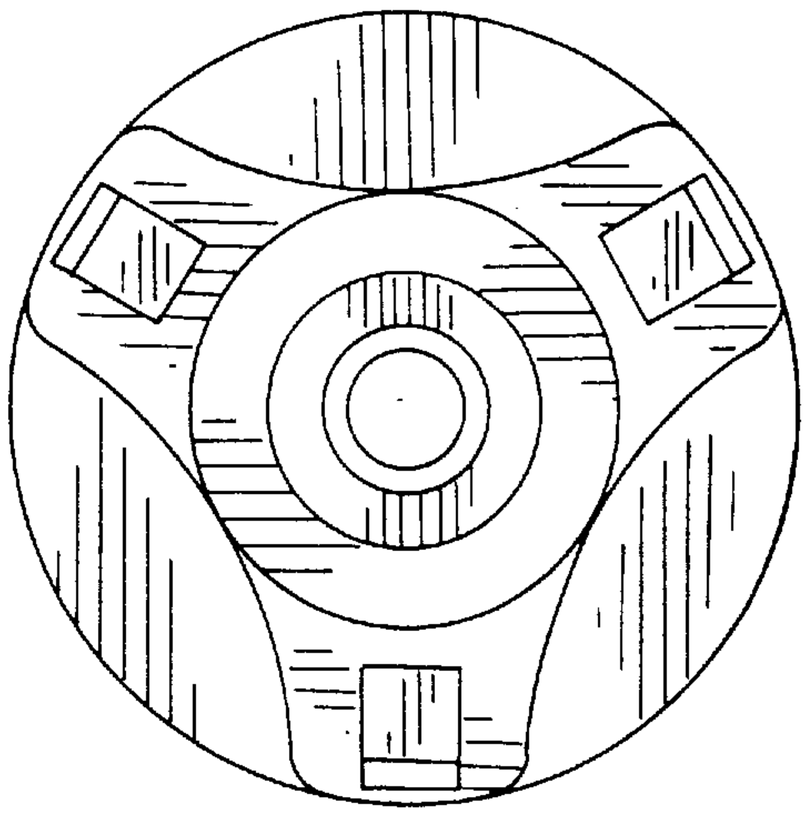


FIG. 1

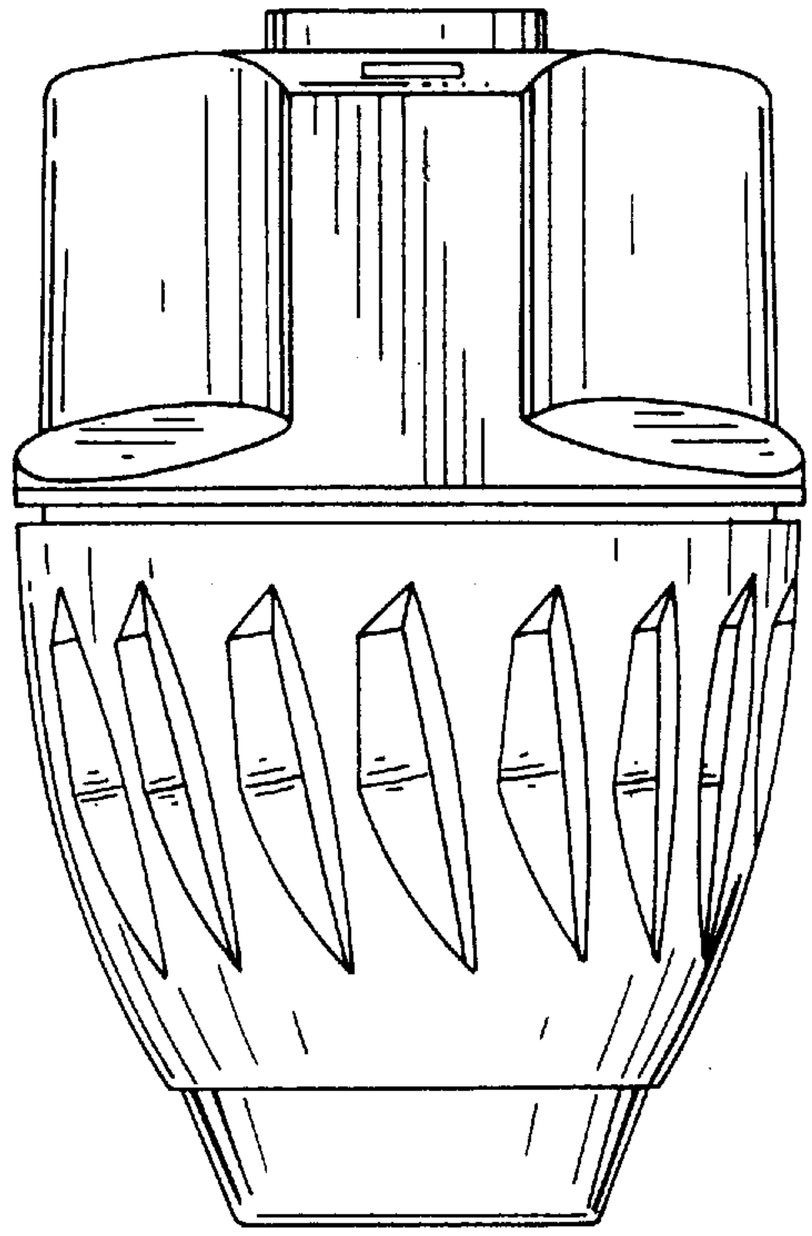


FIG. 2

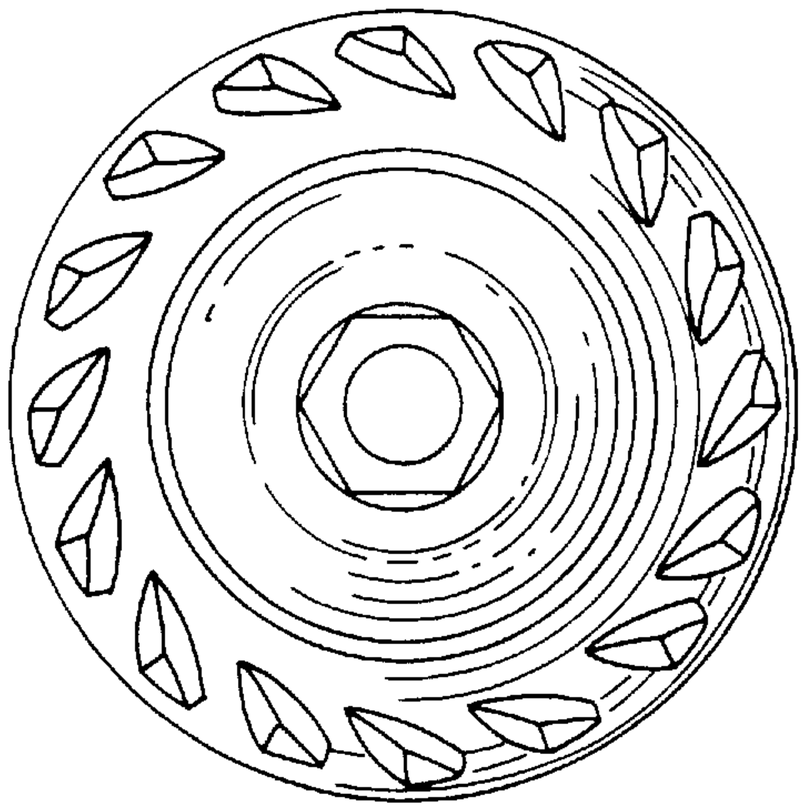


FIG. 3

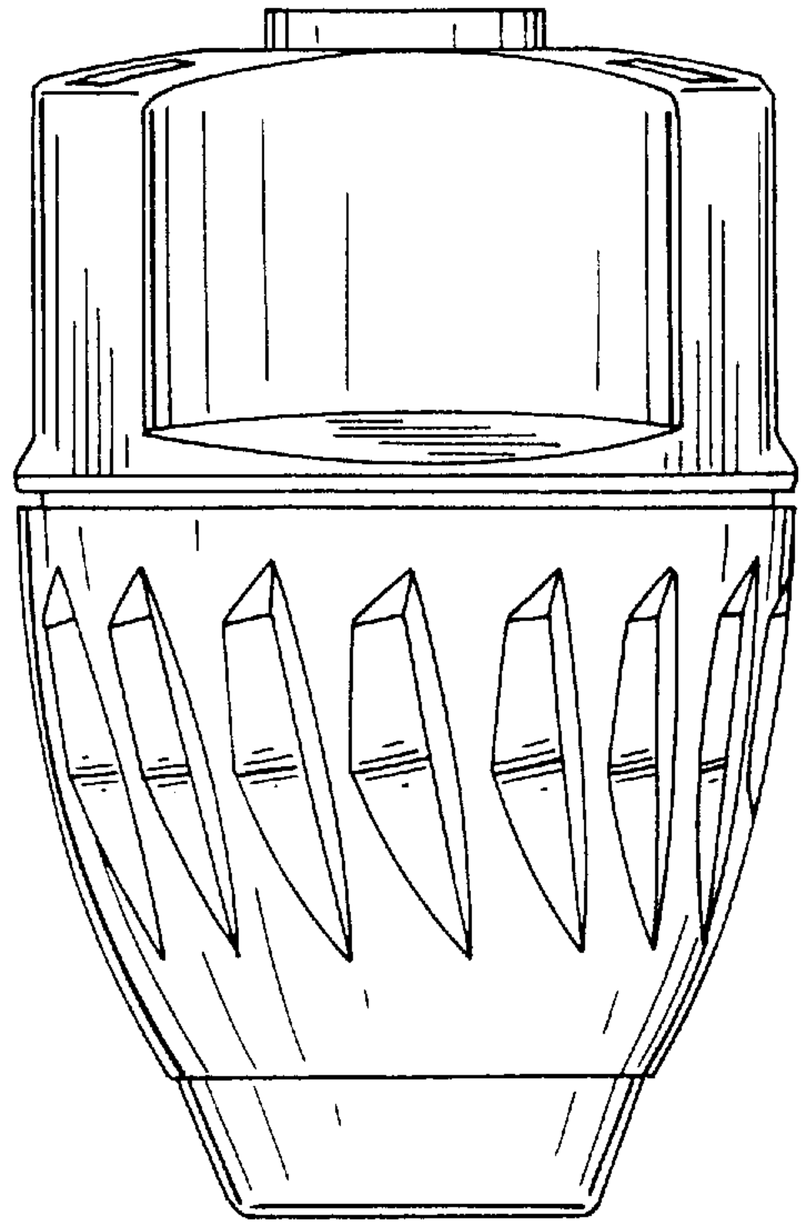


FIG. 4

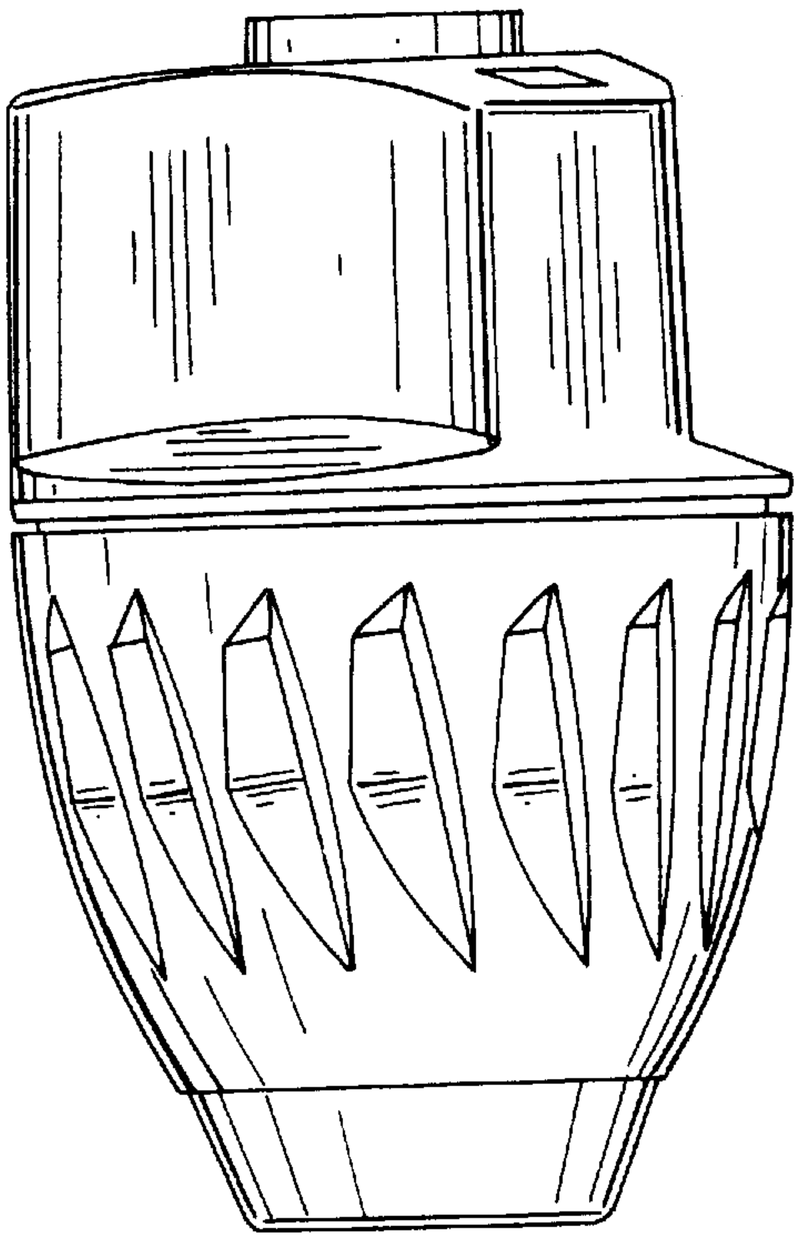


FIG. 5

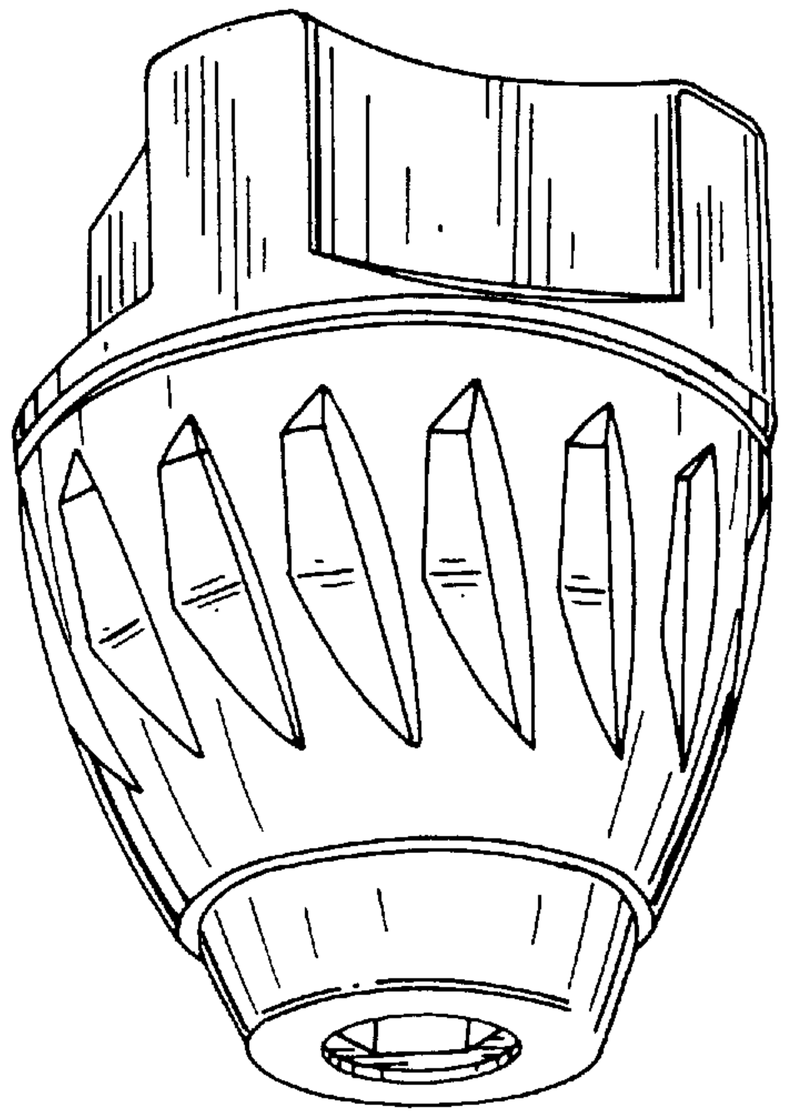


FIG. 6

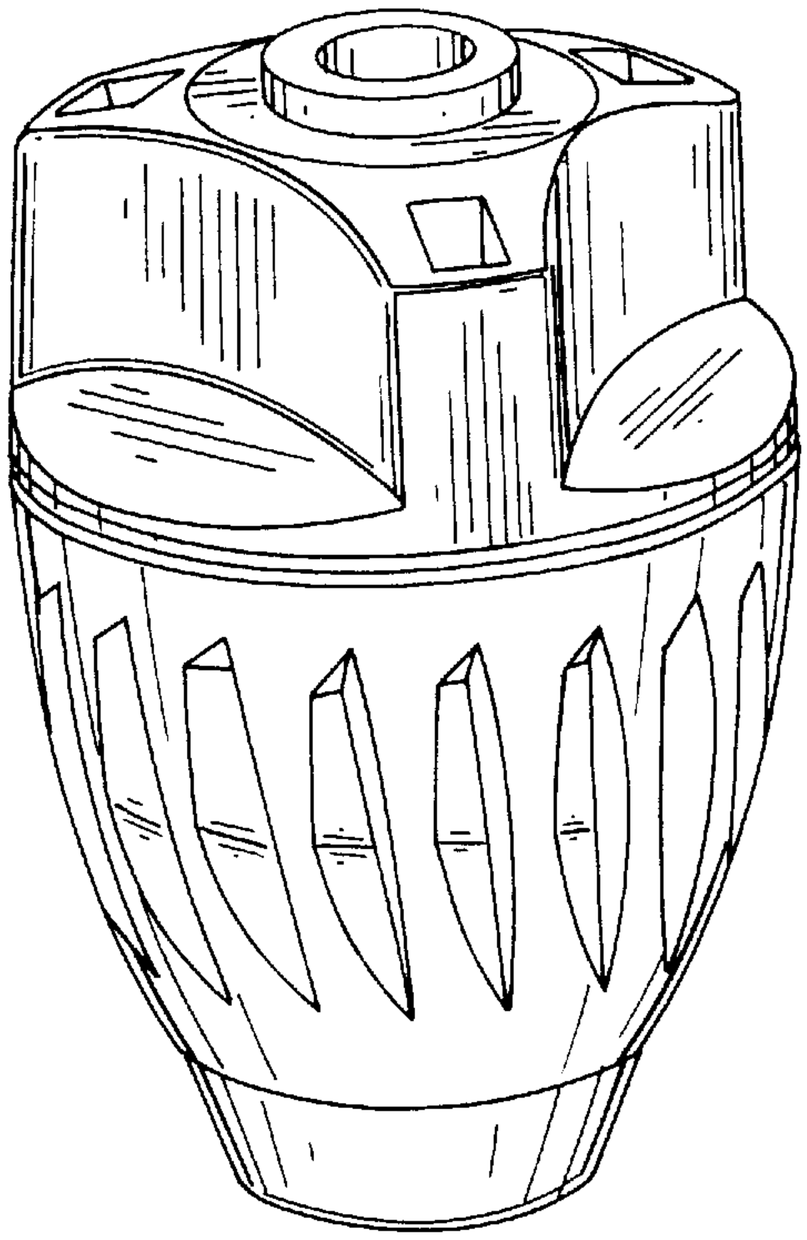


FIG. 7

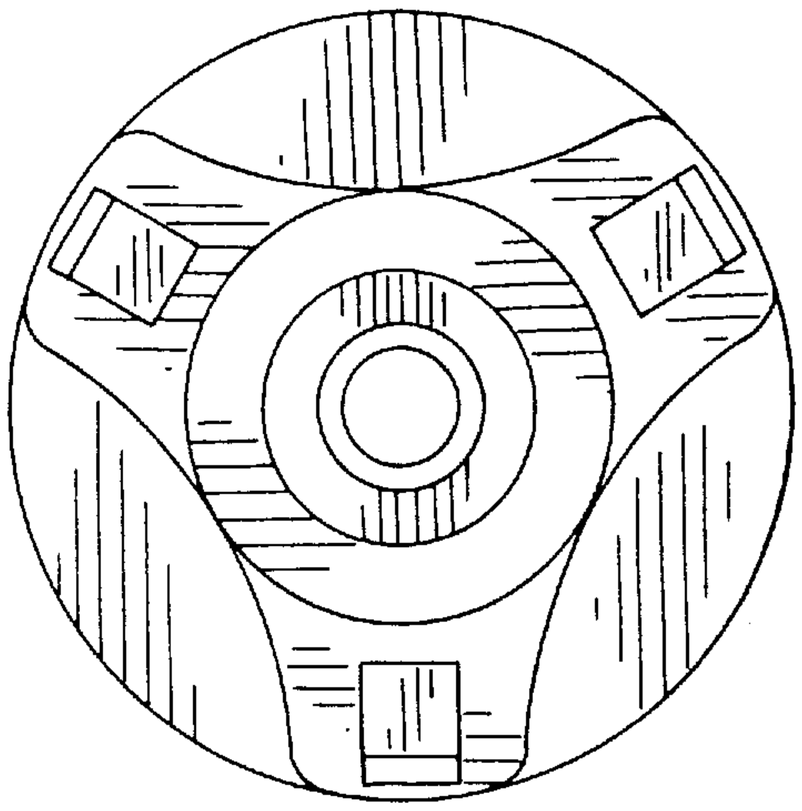


FIG. 8

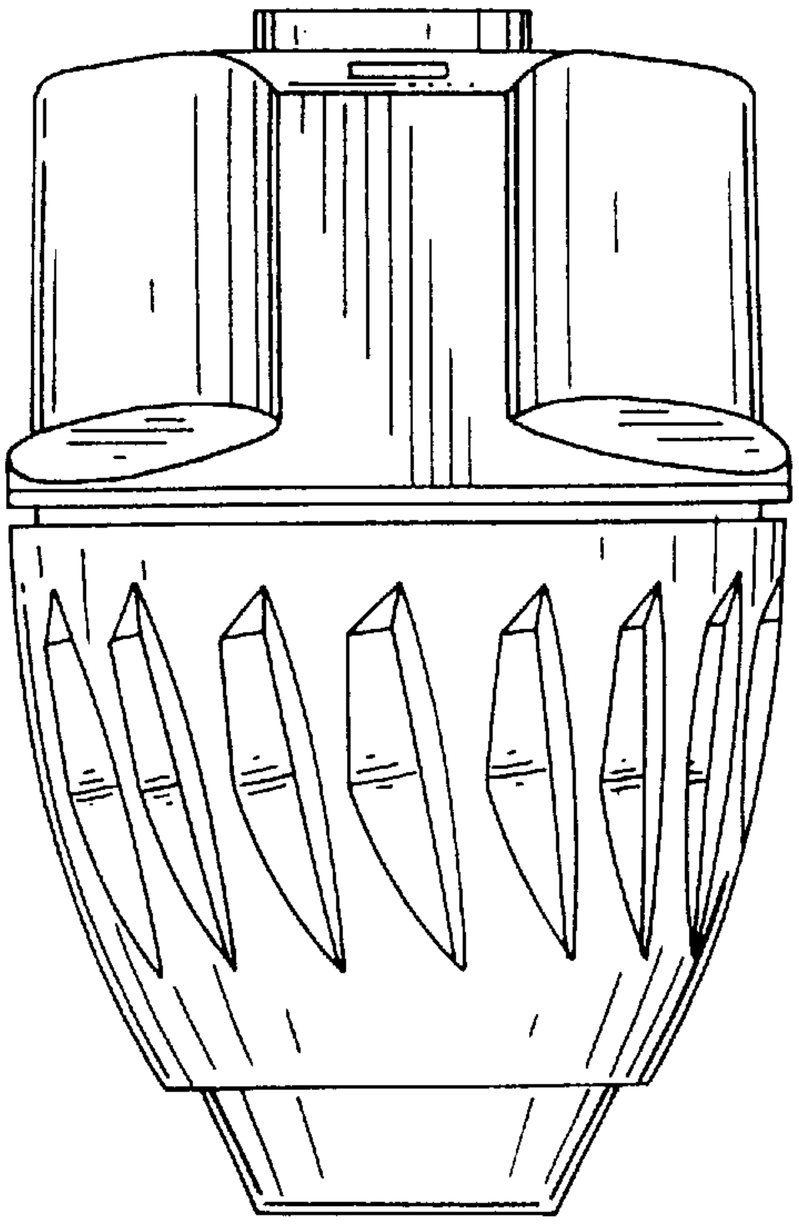


FIG. 9

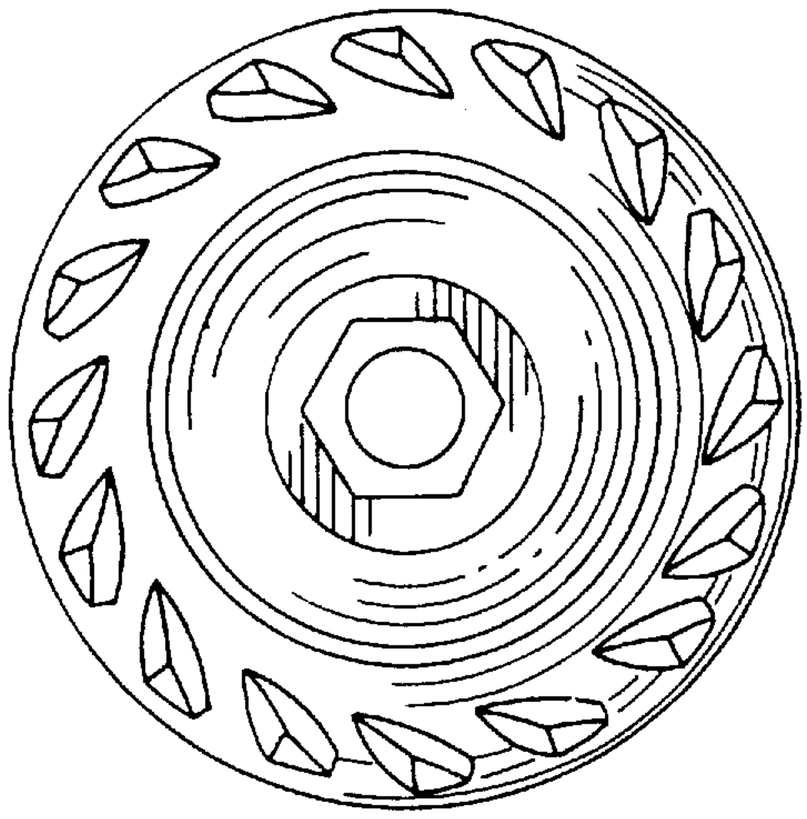


FIG. 10

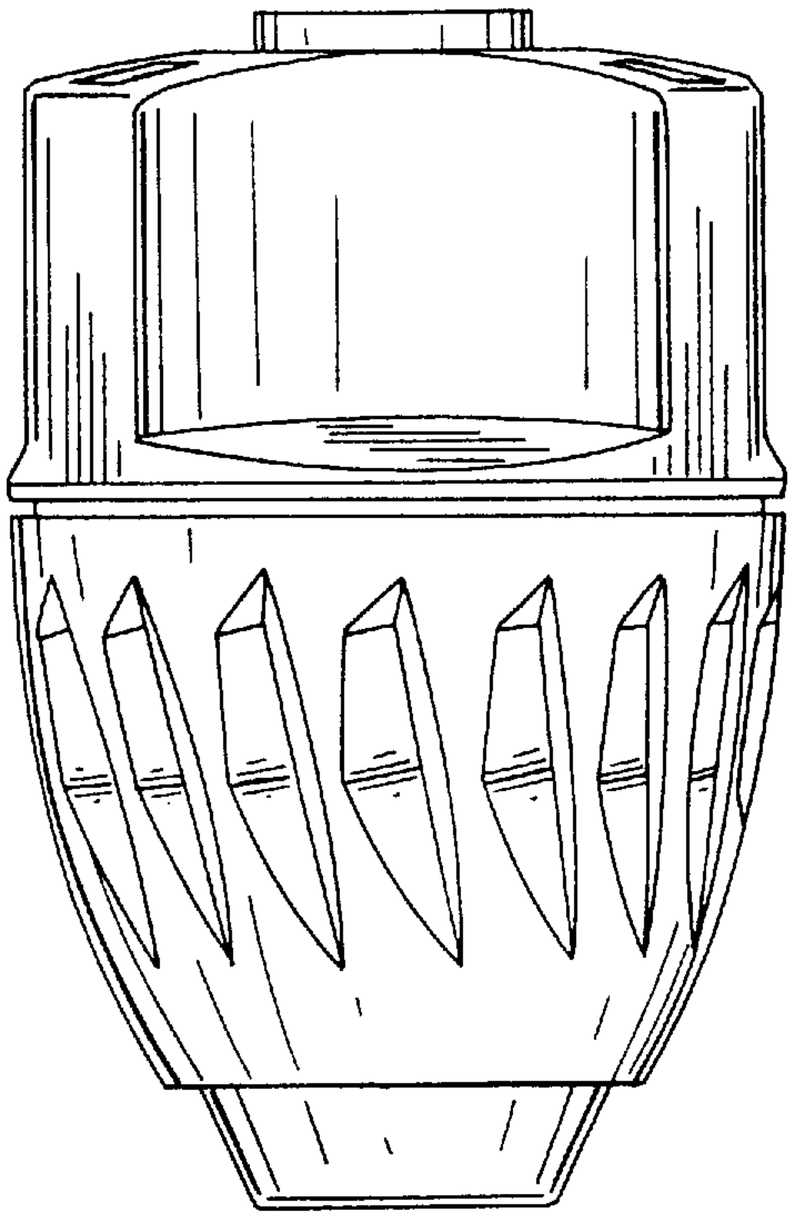


FIG. 11

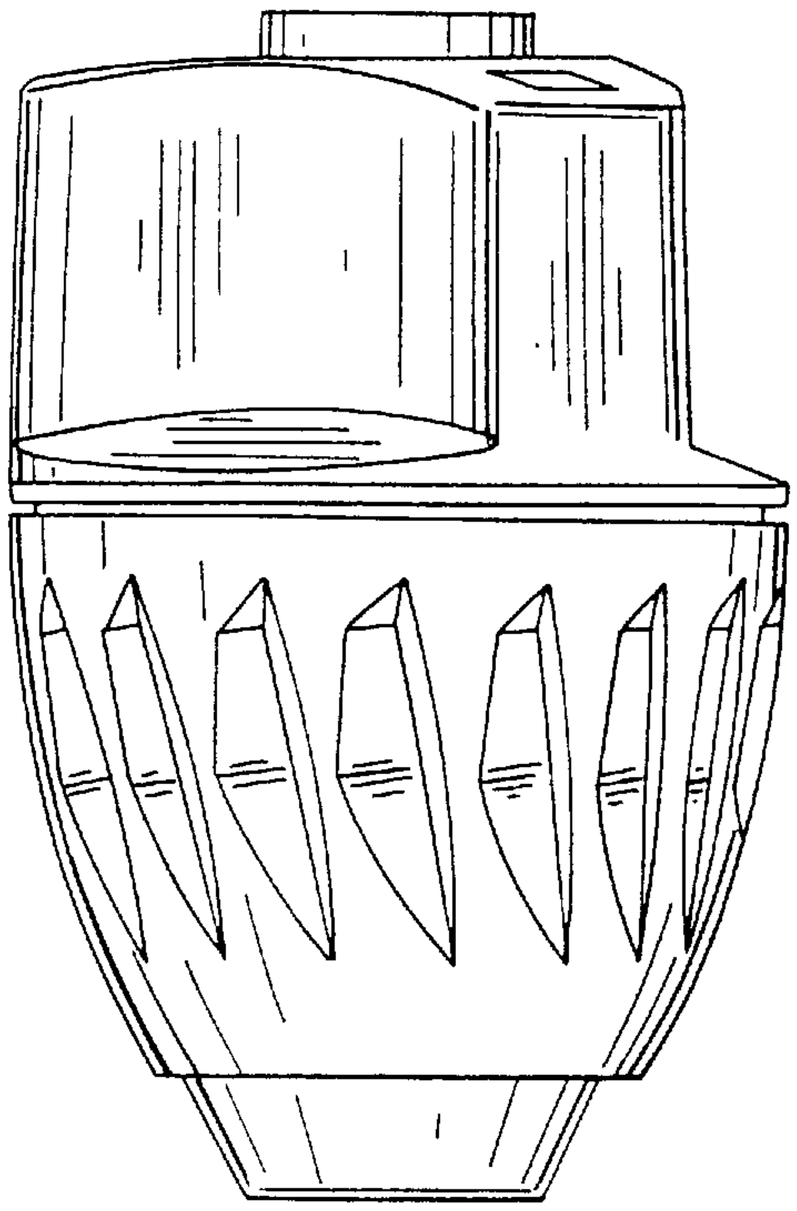


FIG. 12

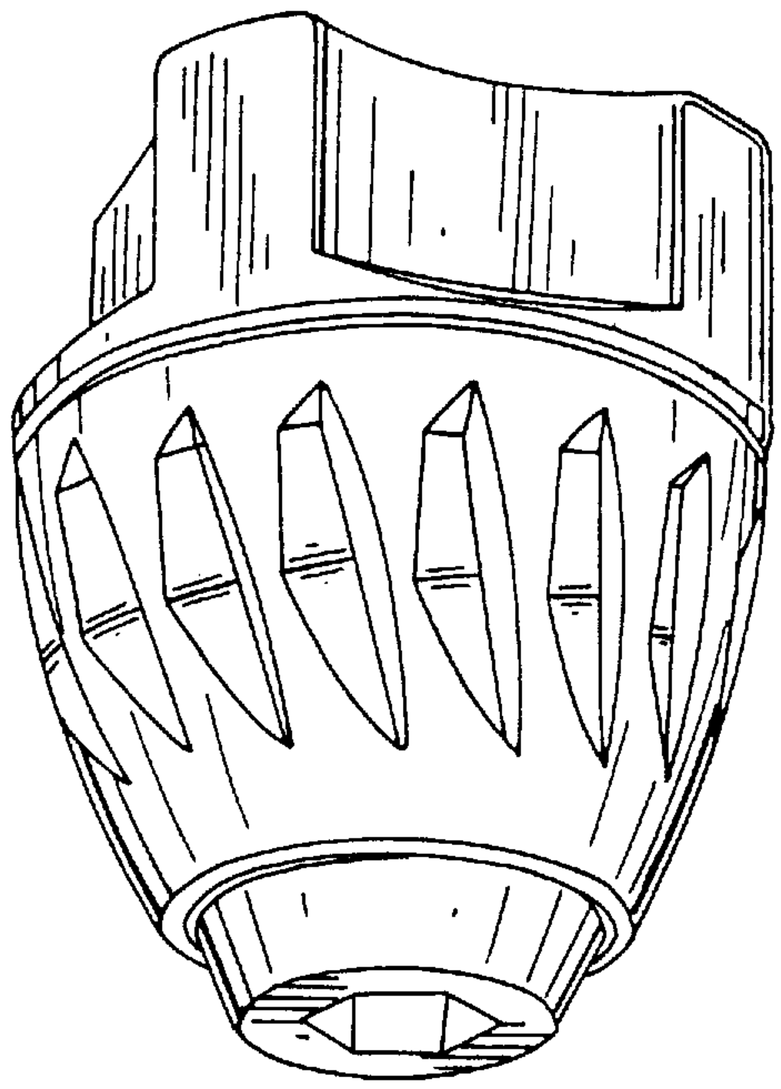


FIG. 13

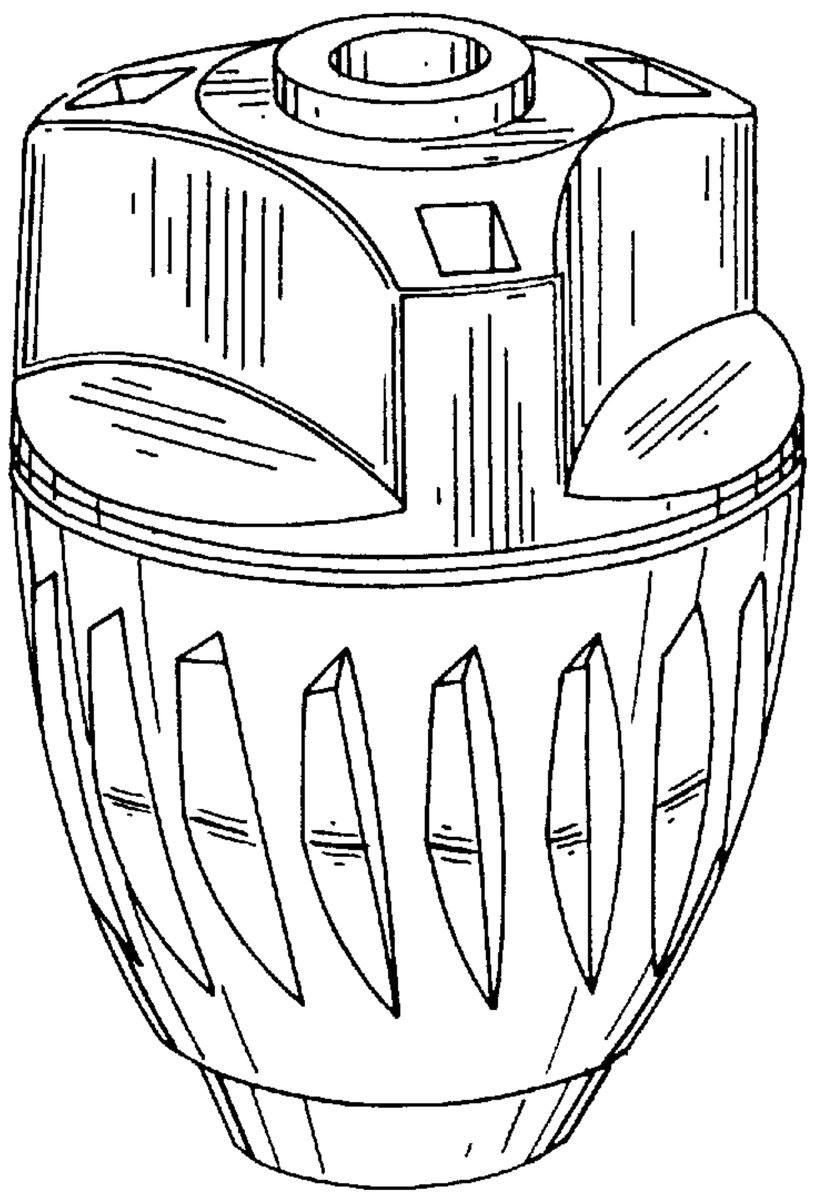


FIG. 14