



US00D835076S

(12) **United States Design Patent** (10) **Patent No.:** US D835,076 S  
Le et al. (45) **Date of Patent:** \*\* Dec. 4, 2018

(54) **SPEAKER AND MICROPHONE HOUSING**(71) Applicant: **Tactical Command Industries, Inc.**, Ontario, CA (US)(72) Inventors: **David Trinh Le**, Irvine, CA (US); **John Brad Medine**, Chino, CA (US); **Peter Hoang**, Corona, CA (US)(73) Assignee: **Safariland, LLC**, Jacksonville, FL (US)(\*\*) Term: **15 Years**(21) Appl. No.: **29/582,974**(22) Filed: **Nov. 1, 2016**(51) LOC (11) Cl. .... **14-01**

(52) U.S. Cl.

USPC ..... **D14/222**(58) **Field of Classification Search**USPC ..... D14/222, 225, 229, 204, 215, 216, 221,  
D14/208, 207, 211; 181/170, 173, 152;  
379/420.01, 428.01; 381/412, 396, 398,  
381/365; 455/90.3, 575.1, 569.1CPC ... H04R 1/00; H04R 1/02; H04R 9/02; H04R  
25/00; H04R 9/025; H04R 25/02; H04R  
25/604; H05K 5/00; G10K 11/178

See application file for complete search history.

(56) **References Cited**

## U.S. PATENT DOCUMENTS

2,463,762 A \* 3/1949 Giannini ..... H04R 1/342  
181/125  
2,556,816 A \* 6/1951 Lukacs ..... H04R 9/00  
335/222

(Continued)

Primary Examiner — Paula Allen Greene

(74) Attorney, Agent, or Firm — Kane Kessler, P.C.; Paul E. Szabo

(57) **CLAIM**

The ornamental design for a speaker and microphone housing, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a speaker and microphone housing that is a first embodiment of the invention, showing a microphone assembly (in phantom) mounted thereon; FIG. 2 is a top plan view of the speaker and microphone housing of FIG. 1;

FIG. 3 is a bottom plan view of the speaker and microphone housing of FIG. 1;

FIG. 4 is a front elevational view of the speaker and microphone housing of FIG. 1;

FIG. 5 is a back elevational view of the speaker and microphone housing of FIG. 1;

FIG. 6 is a right side elevational view of the speaker and microphone housing of FIG. 1;

FIG. 7 is a left side elevational view of the speaker and microphone housing of FIG. 1;

FIG. 8 is a perspective view of a speaker and microphone housing that is a second embodiment of the invention, showing a microphone assembly (in phantom) mounted thereon;

FIG. 9 is a top plan view of the speaker and microphone housing of FIG. 8;

FIG. 10 is a bottom plan view of the speaker and microphone housing of FIG. 8;

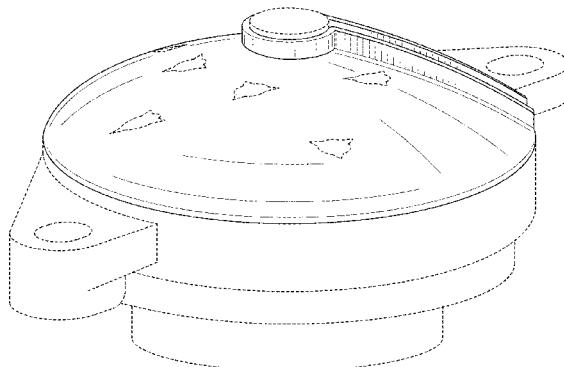
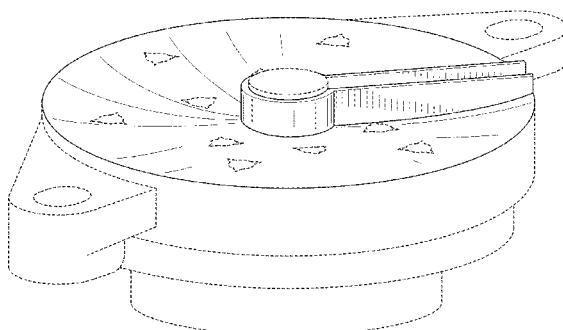
FIG. 11 is a front elevational view of the speaker and microphone housing of FIG. 8;

FIG. 12 is a back elevational view of the speaker and microphone housing of FIG. 8;

FIG. 13 is a right side elevational view of the speaker and microphone housing of FIG. 8; and,

FIG. 14 is a left side elevational view of the speaker and microphone housing of FIG. 8.

The broken lines depict environment that forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

# US D835,076 S

Page 2

---

(56)

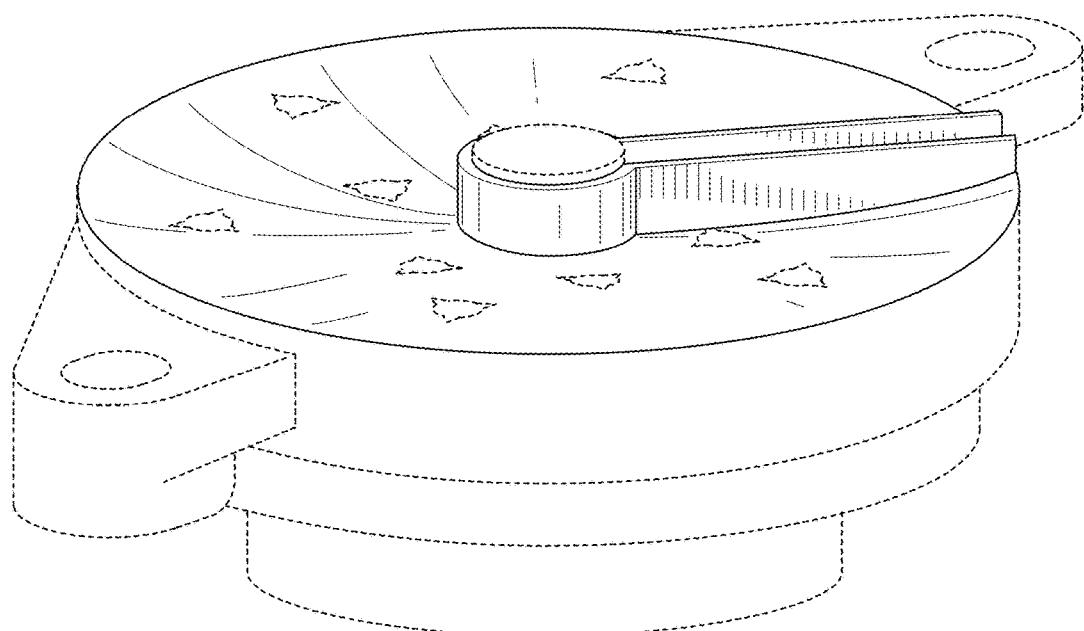
## References Cited

### U.S. PATENT DOCUMENTS

3,235,674 A \* 2/1966 Mirstam ..... H04M 1/03  
379/433.01  
3,265,819 A \* 8/1966 Herrmann ..... H04R 25/65  
381/321  
D216,122 S \* 11/1969 Rivera ..... D14/216  
3,945,193 A \* 3/1976 Yasuda ..... G04C 10/00  
368/204  
D242,150 S \* 11/1976 Pearson ..... D14/216  
D248,647 S \* 7/1978 Nussdorfer ..... D14/216  
D249,509 S \* 9/1978 Henricksen ..... 181/159  
4,163,875 A \* 8/1979 Cogan ..... H04M 1/03  
379/433.02  
4,319,095 A \* 3/1982 Cogan ..... H04M 1/03  
379/433.02  
4,336,425 A \* 6/1982 Renkus ..... H04R 7/127  
29/594  
D274,516 S \* 7/1984 Walker, Jr. ..... D14/249  
4,633,044 A \* 12/1986 Nakajima ..... H04M 1/03  
379/433.02  
4,644,581 A \* 2/1987 Sapiejewski ..... H04R 1/1083  
381/372  
4,718,742 A \* 1/1988 Utoh ..... H01M 2/1044  
429/100  
D315,334 S \* 3/1991 Fujioka ..... D13/156  
5,133,428 A \* 7/1992 Perrson ..... B60R 11/0217  
181/153  
D328,900 S \* 8/1992 Harle ..... D14/216  
5,166,984 A \* 11/1992 Hsiao ..... H04R 1/22  
381/397  
5,182,774 A \* 1/1993 Bourk ..... H04R 1/1083  
379/430  
D333,468 S \* 2/1993 Hansen ..... D14/222  
5,319,163 A \* 6/1994 Scott ..... H04R 25/652  
181/130  
5,319,164 A \* 6/1994 Shen ..... H04R 1/025  
181/150  
5,339,461 A \* 8/1994 Luplow ..... H04B 1/086  
242/385  
5,410,608 A \* 4/1995 Lucey ..... H04R 1/083  
381/360

5,684,883 A \* 11/1997 Chen ..... H02G 11/02  
381/370  
D387,354 S \* 12/1997 Ueng ..... D14/222  
5,823,820 A \* 10/1998 Patel ..... H01R 12/57  
381/361  
D401,590 S \* 11/1998 Tajima ..... D10/116.1  
5,832,098 A \* 11/1998 Chen ..... H04M 1/05  
381/370  
D409,202 S \* 5/1999 Sone ..... D10/116.1  
6,072,887 A \* 6/2000 Wei ..... H04R 11/00  
379/433.02  
D446,785 S \* 8/2001 Ohta ..... D14/216  
6,570,992 B1 \* 5/2003 Folan ..... H04M 1/03  
379/433.03  
6,597,792 B1 \* 7/2003 Sapiejewski ..... H04R 1/1083  
381/371  
D481,709 S \* 11/2003 Solderits ..... D14/223  
D487,083 S \* 2/2004 Asahina ..... D14/216  
6,831,784 B2 \* 12/2004 Takeda ..... G02B 5/288  
359/260  
D502,168 S \* 2/2005 Hill ..... D14/204  
D533,163 S \* 12/2006 Takase ..... D14/215  
7,289,282 B2 \* 10/2007 Matsushima ..... G02B 7/023  
359/811  
D565,552 S \* 4/2008 Yoshinaga ..... D14/216  
D610,573 S \* 2/2010 Joseph ..... D14/216  
D630,191 S \* 1/2011 Chang ..... D14/225  
D656,130 S \* 3/2012 Bailey ..... D14/227  
9,014,394 B2 \* 4/2015 Cohen ..... H04R 1/04  
381/122  
D728,552 S \* 5/2015 Kim ..... D14/250  
D804,454 S \* 12/2017 Katsuno ..... D14/222  
2002/0114473 A1 \* 8/2002 Kuwabara ..... H04R 9/06  
381/87  
2003/0044040 A1 \* 3/2003 Lee ..... H04R 9/00  
381/396  
2003/0095680 A1 \* 5/2003 Kim ..... H04R 9/06  
381/409  
2013/0287246 A1 \* 10/2013 Sasaki ..... H04R 1/06  
381/412  
2015/0296061 A1 \* 10/2015 Geiger ..... H04M 1/0258  
348/14.12  
2016/0021461 A1 \* 1/2016 Tang ..... H02K 1/34  
381/412

\* cited by examiner



**FIG. 1**

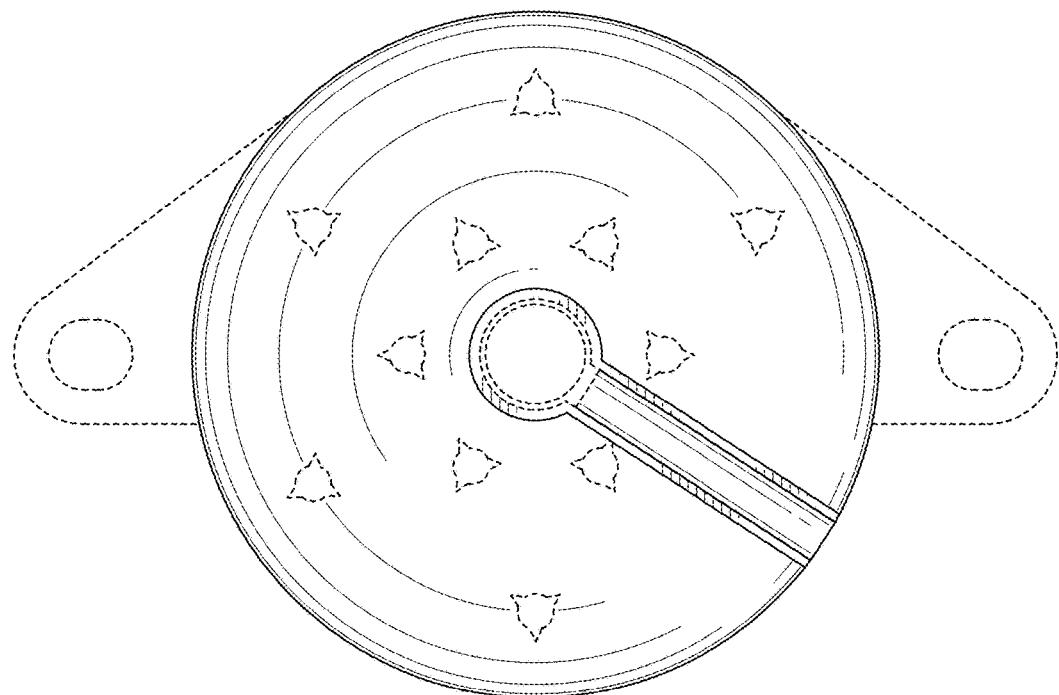


FIG. 2

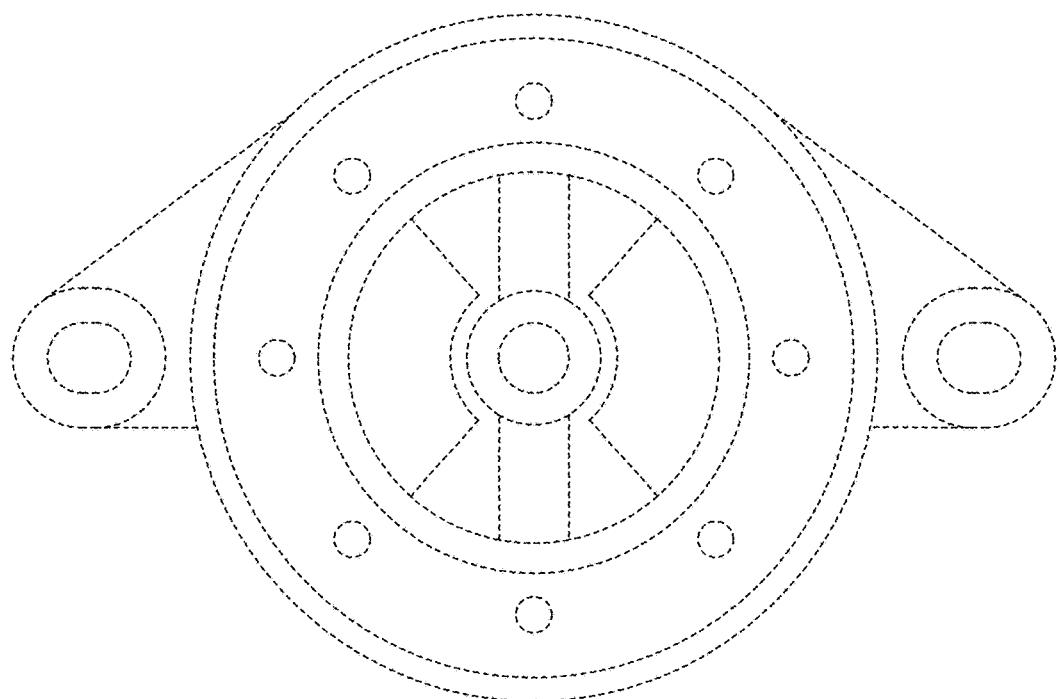
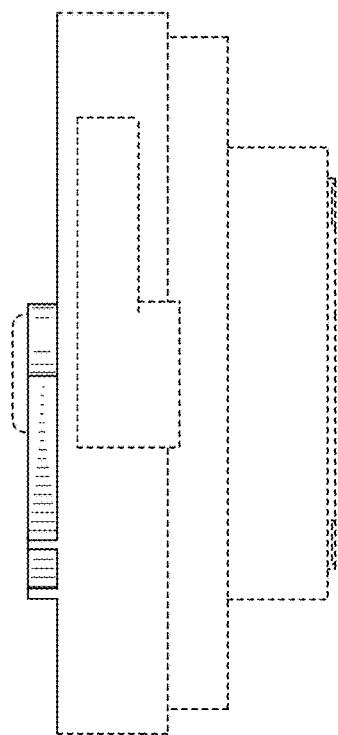
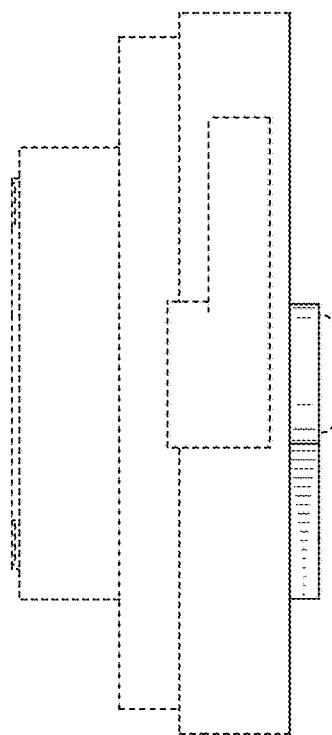


FIG. 3



**FIG. 4**



**FIG. 5**

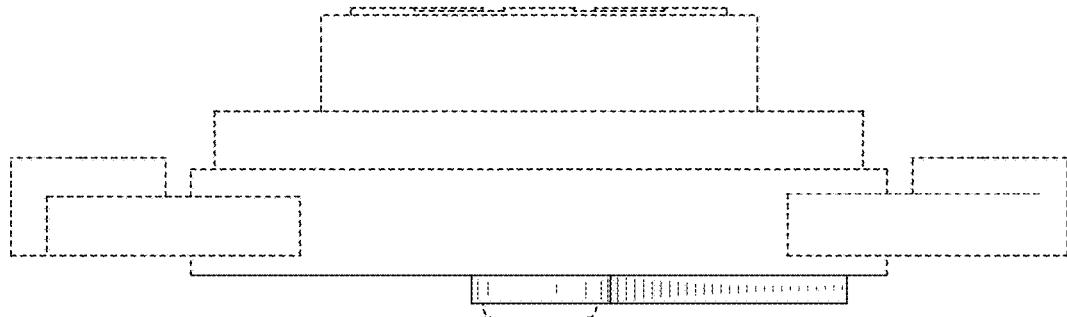


FIG. 6

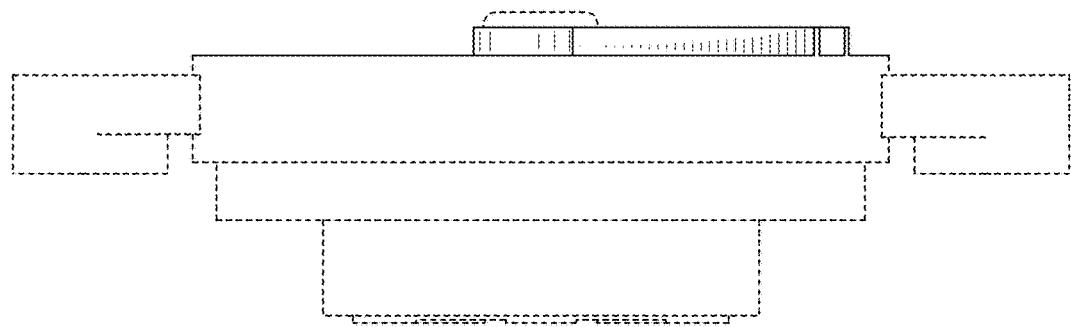
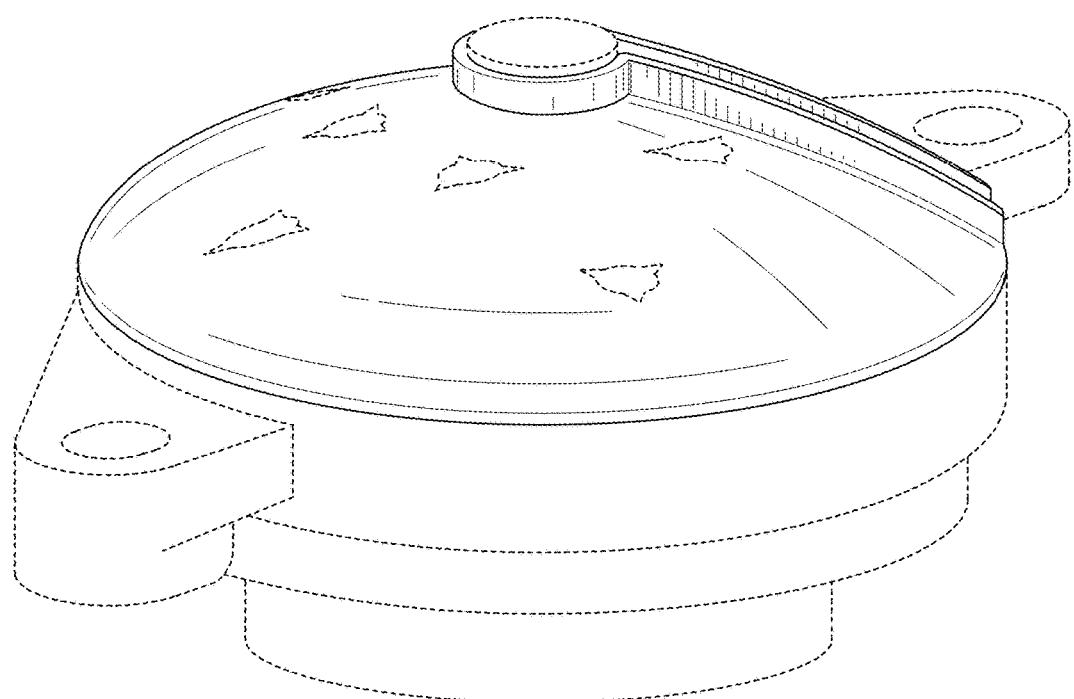


FIG. 7



**FIG. 8**

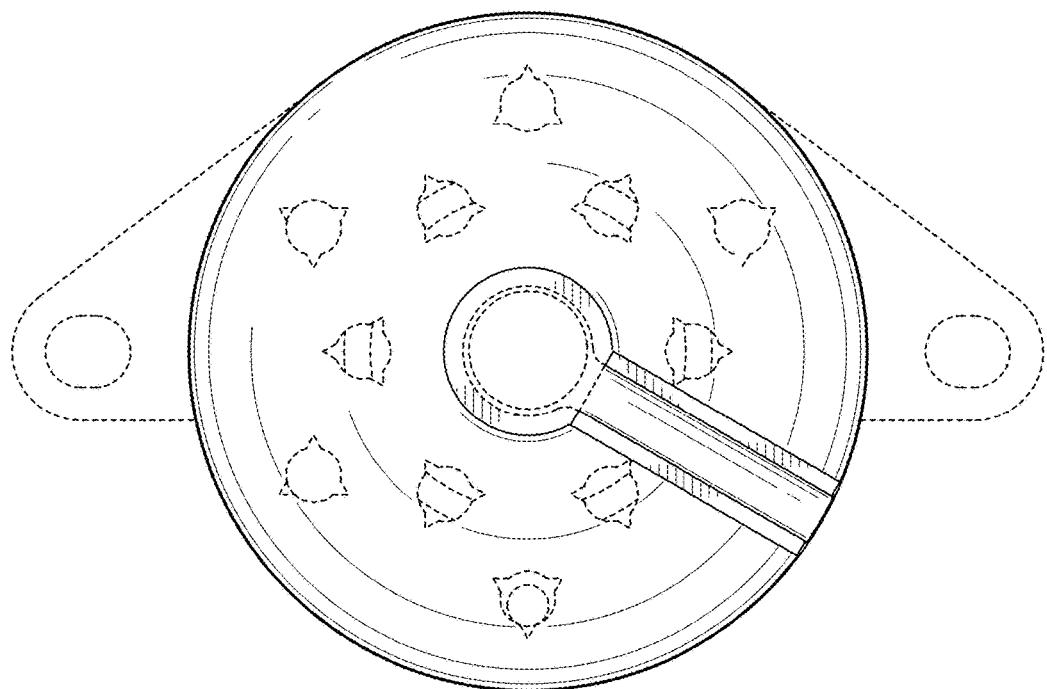


FIG. 9

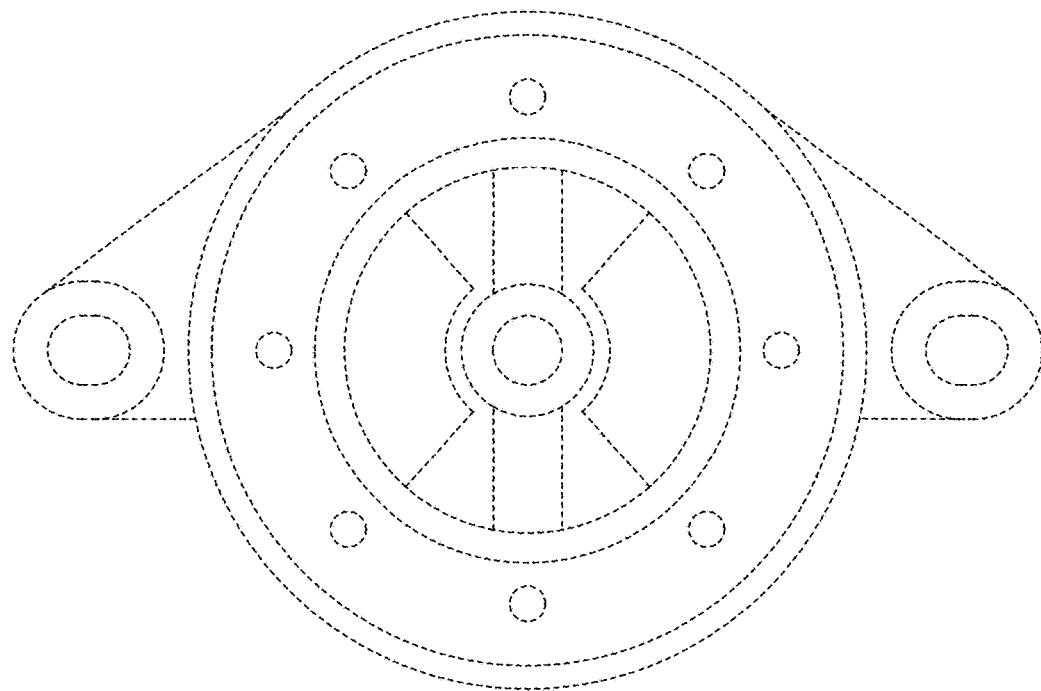


FIG. 10

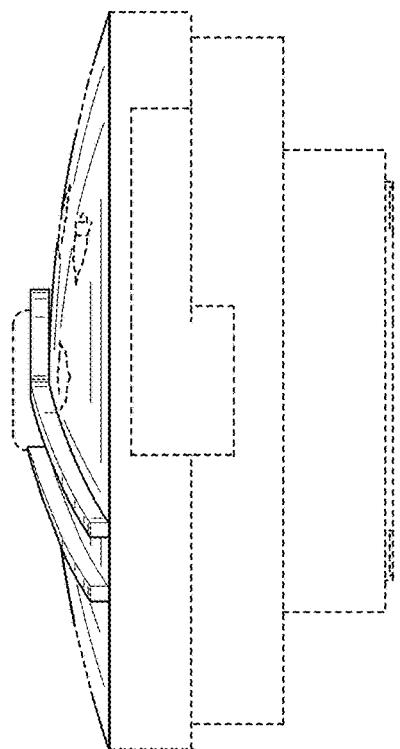


FIG. 11

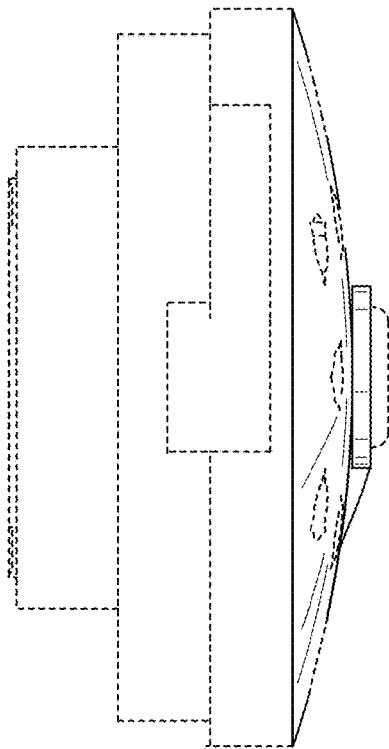
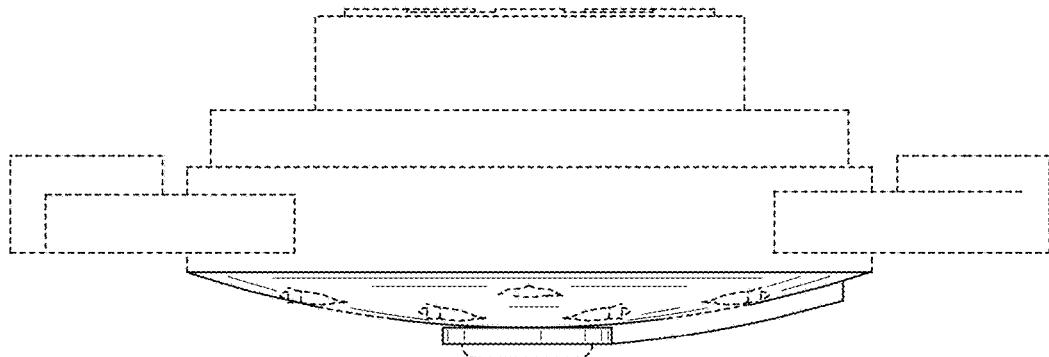
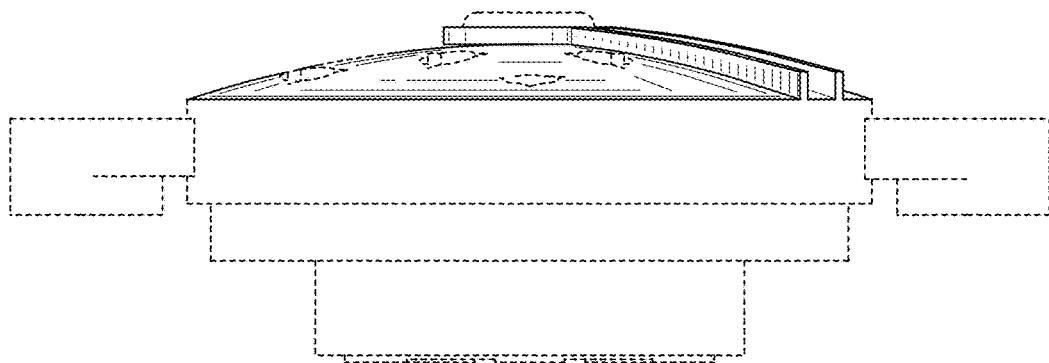


FIG. 12



**FIG. 13**



**FIG. 14**