



US00D804414S

(12) **United States Design Patent**  
**Tang et al.**

(10) **Patent No.:** **US D804,414 S**

(45) **Date of Patent:** **\*\* Dec. 5, 2017**

- (54) **CHARGING DOCK FOR ROBOT**
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Shenzhen (CN)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/573,536**

(22) Filed: **Aug. 8, 2016**

(51) **LOC (10) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/108**

(58) **Field of Classification Search**  
USPC ..... D13/102-110, 118-119, 184, 199;  
D14/251, 253, 432, 434  
CPC ..... Y02E 60/12; Y02T 90/14; Y02T 90/122;  
Y02T 90/128; Y02T 90/163; H02J 7/025;  
H02J 7/0042; H02J 7/0045; H02J 7/0003;  
H01F 38/14; H01R 13/6675; H01M  
2/1022; H01M 2/1055; H01M 10/44;  
H01M 10/46; H01M 10/425; B60L  
11/182

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D415,740 S \* 10/1999 Lee ..... D14/434
- D495,700 S \* 9/2004 Mukai ..... D14/356

- D554,582 S \* 11/2007 Iseki ..... D13/108
- D582,408 S \* 12/2008 Maiers ..... D14/356
- D587,706 S \* 3/2009 Maiers ..... D14/356
- D639,735 S \* 6/2011 Lee ..... D13/108
- D675,154 S \* 1/2013 Nam ..... D13/108
- D698,310 S \* 1/2014 Yun ..... D13/108
- 8,660,736 B2 \* 2/2014 Chen ..... G05D 1/0225  
180/167
- D763,851 S \* 8/2016 Schneider ..... D14/238
- 2003/0193316 A1 \* 10/2003 Guo ..... H02J 7/0042  
320/112
- 2008/0174268 A1 \* 7/2008 Koo ..... A47L 9/2805  
320/109
- 2014/0150820 A1 \* 6/2014 Yoo ..... A47L 9/009  
134/6

\* cited by examiner

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(57) **CLAIM**

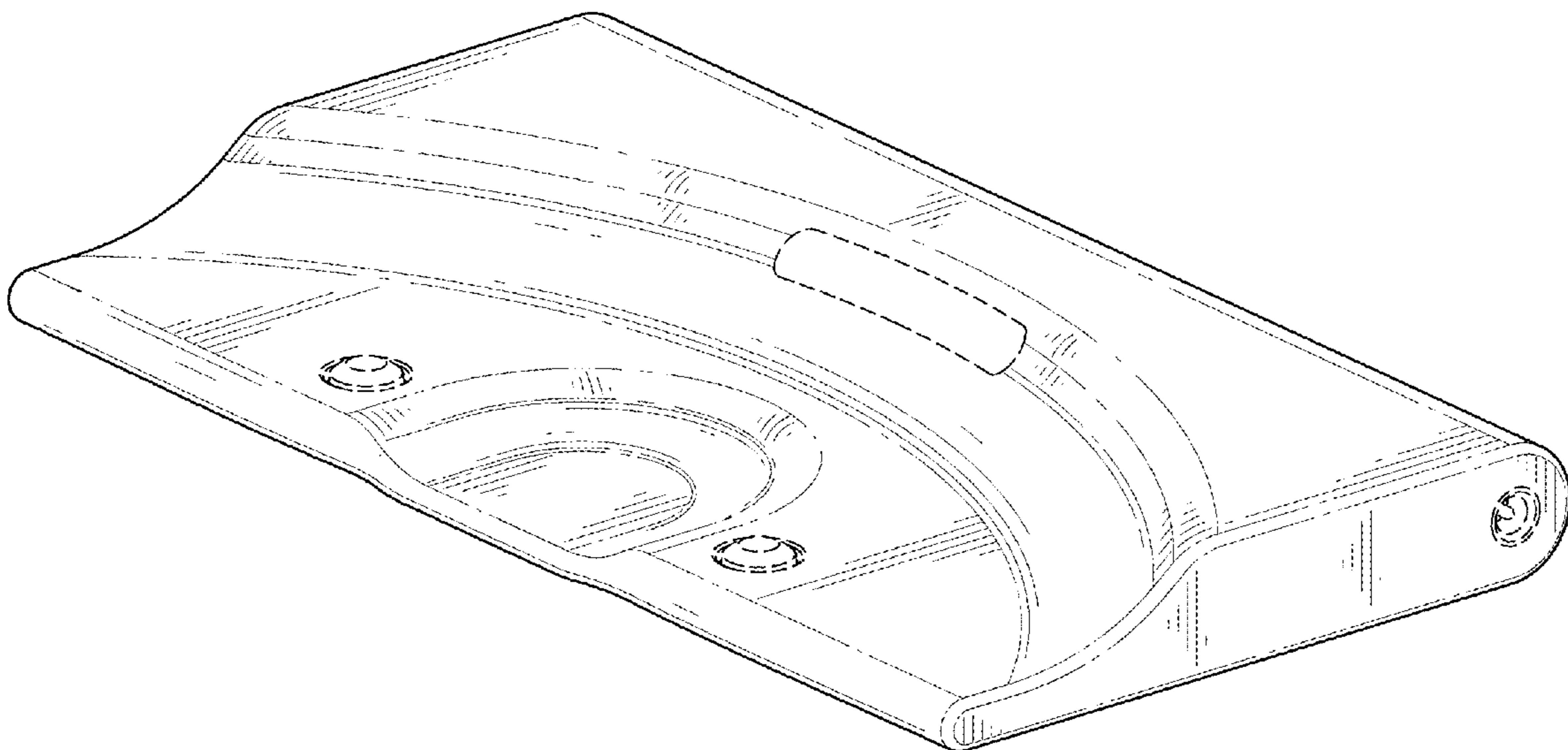
The ornamental design for a charging dock for robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a charging dock for robot showing 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 view thereof; and,  
 FIG. 7 is a bottom view thereof.

The broken lines present in the figures represent portions of the article which form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



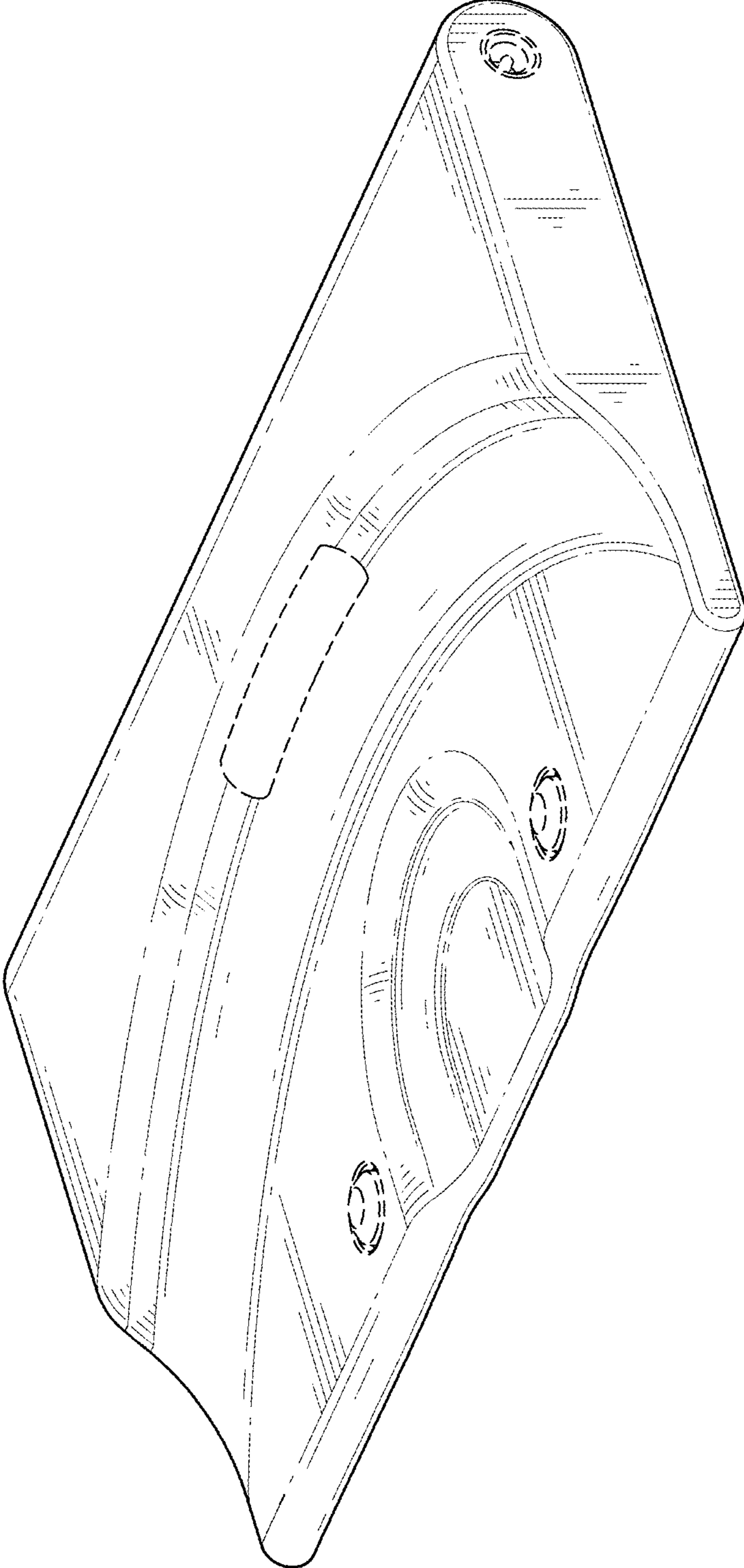


FIG. 1

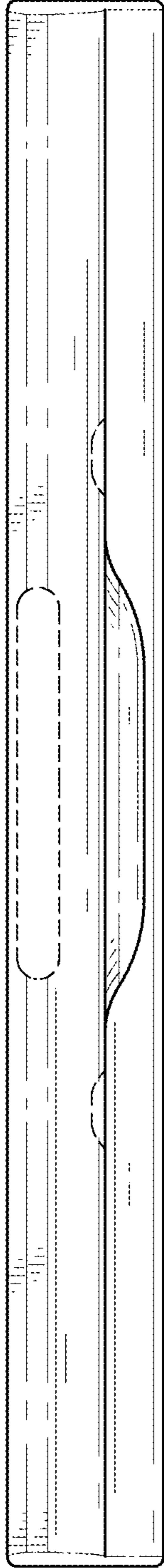


FIG. 2

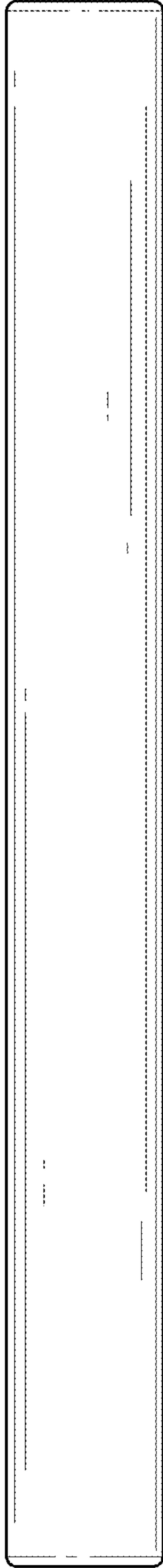


FIG. 3

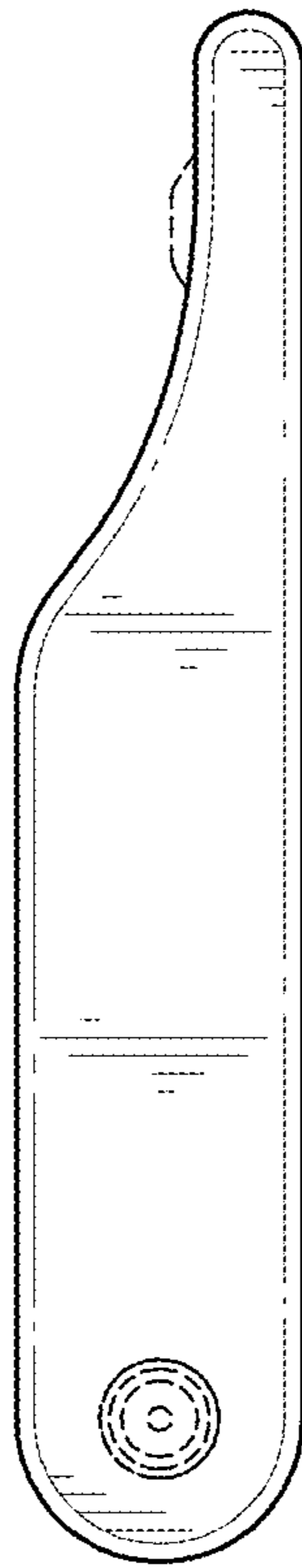


FIG. 4

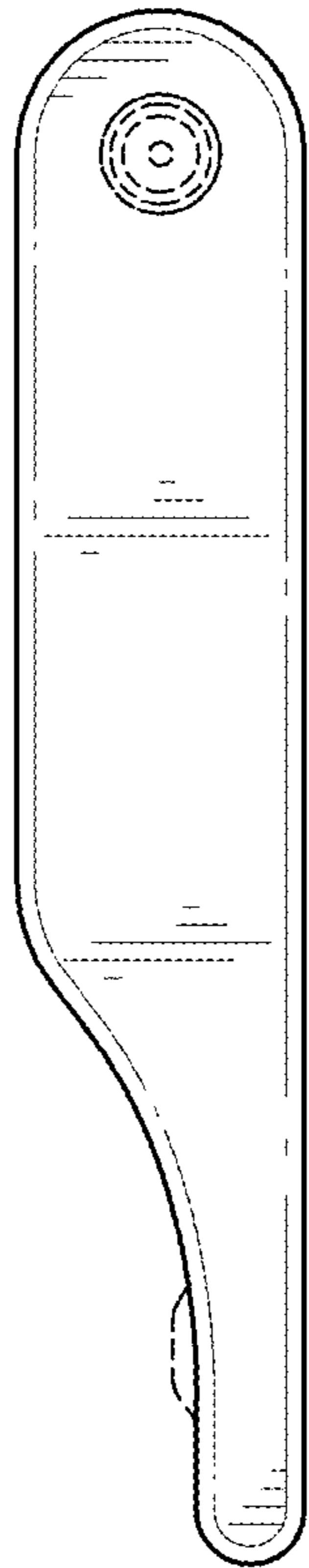


FIG. 5

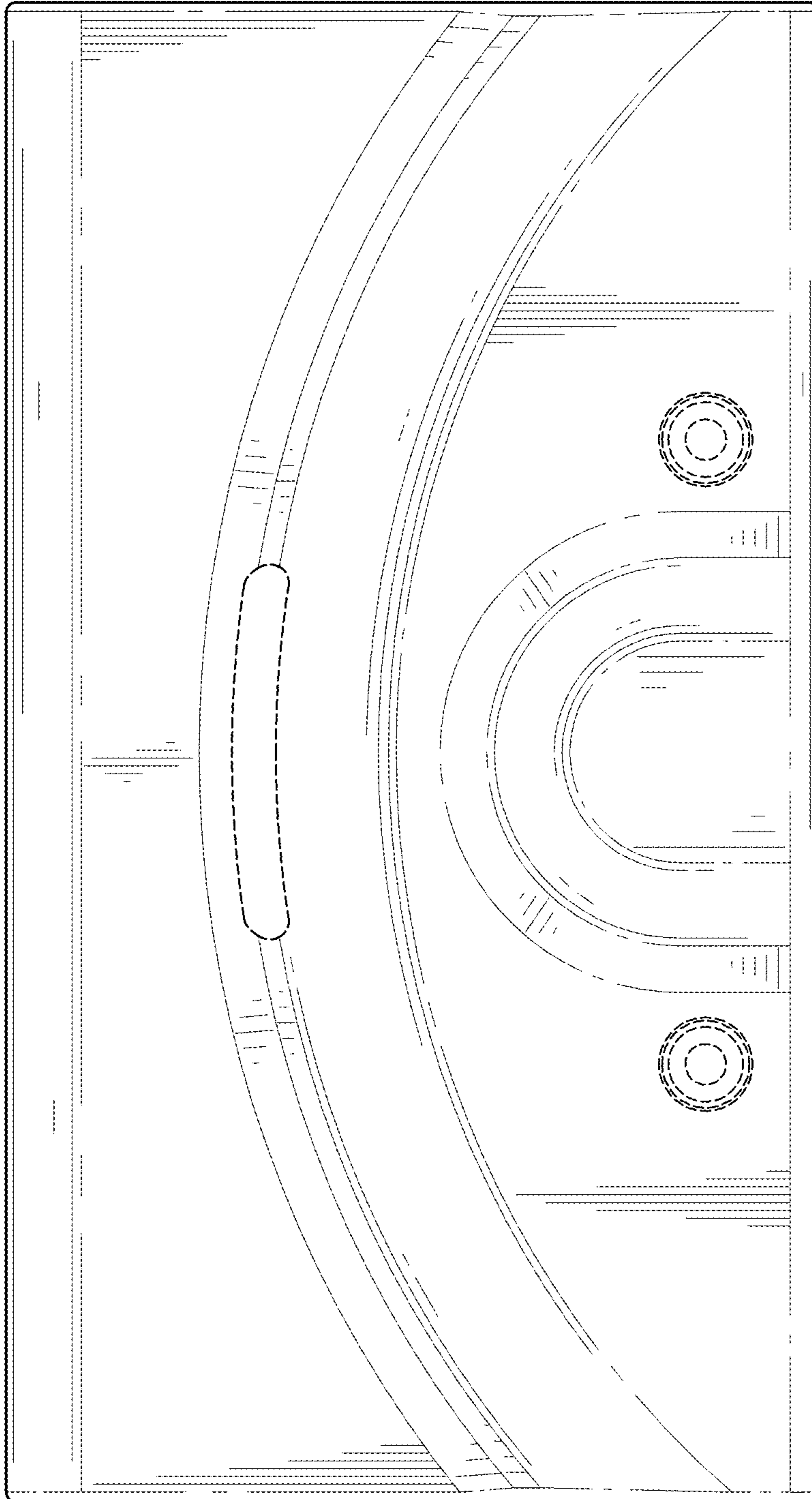


FIG. 6

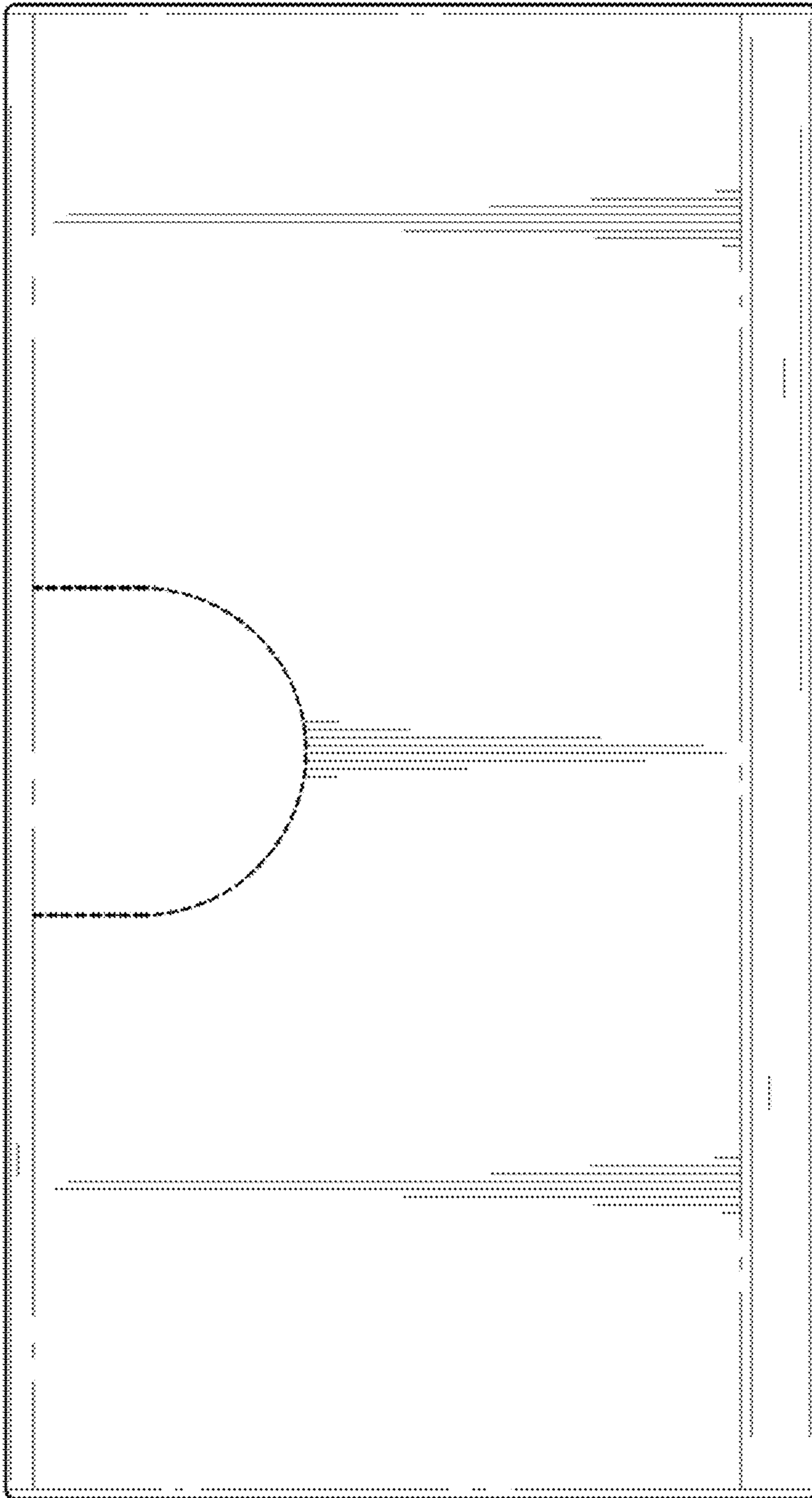


FIG. 7