



US00D835167S

(12) **United States Design Patent** (10) **Patent No.:** **US D835,167 S**  
**Sakai** (45) **Date of Patent:** **\*\* Dec. 4, 2018**

(54) **CUTTING INSERT**  
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Kyoto (JP)

D804,552 S \* 12/2017 Lee ..... D15/139  
D806,150 S \* 12/2017 Komiyama ..... D15/139  
D815,164 S \* 4/2018 Schleicher ..... D15/139  
D822,080 S \* 7/2018 Oh ..... D15/139  
2003/0180103 A1\* 9/2003 Nagaya ..... B23C 5/207  
407/34  
2010/0303563 A1\* 12/2010 Fang ..... B23C 5/109  
407/113

(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/587,525**  
(22) Filed: **Dec. 14, 2016**

**FOREIGN PATENT DOCUMENTS**

JP 1569676 S 2/2017  
JP 1572058 S 3/2017

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(74) *Attorney, Agent, or Firm* — Kenja IP Law PC

(30) **Foreign Application Priority Data**  
Oct. 26, 2016 (JP) ..... 2016-023291  
(51) **LOC (11) Cl.** ..... **15-09**  
(52) **U.S. Cl.**  
USPC ..... **D15/139**  
(58) **Field of Classification Search**  
USPC ..... D8/20, 70; D15/126, 131, 138, 139, 140  
CPC ..... B23C 5/109; B23C 5/207  
See application file for complete search history.

(57) **CLAIM**

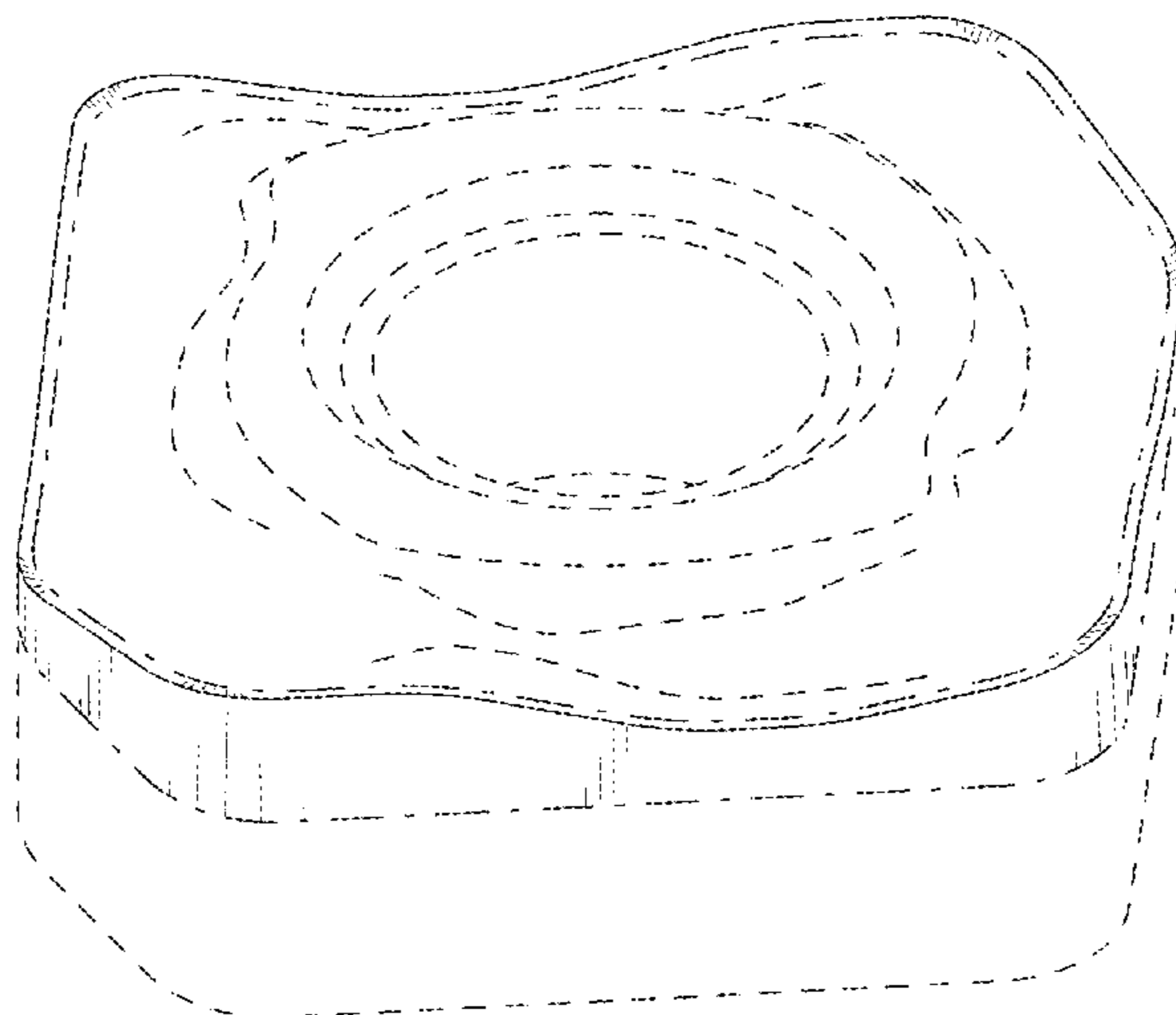
The ornamental design for a cutting insert, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a cutting insert showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a top view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a sectional view thereof taken along line 6-6 in FIG. 3;  
FIG. 7 is a sectional view thereof taken along line 7-7 in FIG. 3; and,  
FIG. 8 is a sectional view thereof taken along line 8-8 in FIG. 3.  
The broken lines in the drawings depict unclaimed environmental subject matter. The dash-dot-dash lines directly adjacent to the claimed areas are included to represent the boundaries of the claimed design and form no part of the claimed design.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
D341,604 S \* 11/1993 Hessman ..... D15/139  
5,332,338 A \* 7/1994 Satran ..... B23C 5/207  
407/113  
D367,866 S \* 3/1996 Pantzar ..... D15/139  
D369,362 S \* 4/1996 Pantzar ..... D15/139  
D485,852 S \* 1/2004 Arvidsson ..... D15/139  
D487,281 S \* 3/2004 Roman ..... D15/139  
7,168,512 B2 \* 1/2007 Schuffenhauer ..... B23C 5/207  
175/426  
D573,164 S \* 7/2008 Nitzsche ..... D15/139  
D603,433 S \* 11/2009 Zastrozynski ..... D15/139  
D705,828 S \* 5/2014 Imai ..... D15/139  
D772,963 S \* 11/2016 Nam ..... D15/139

**1 Claim, 8 Drawing Sheets**



(56)

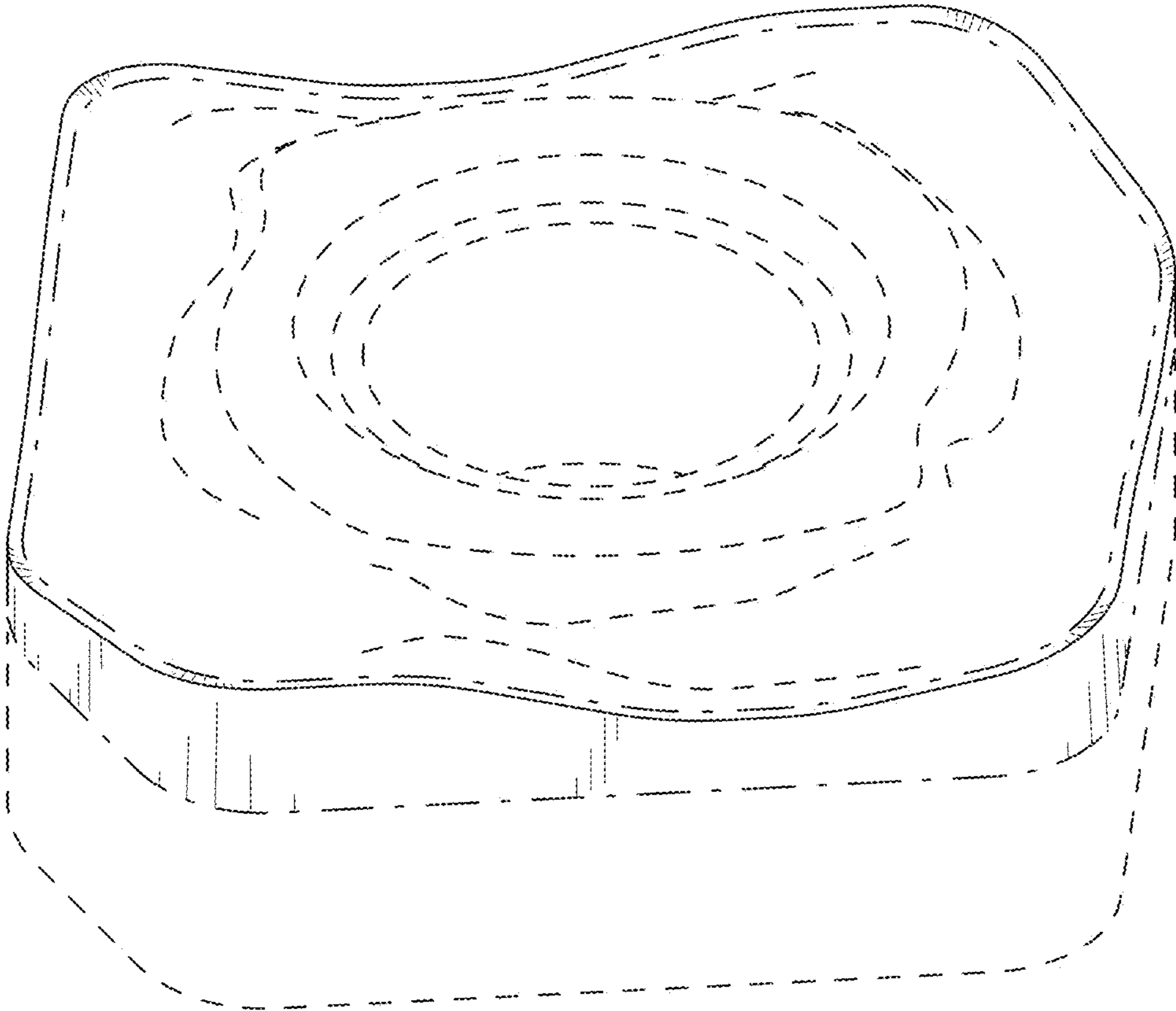
**References Cited**

U.S. PATENT DOCUMENTS

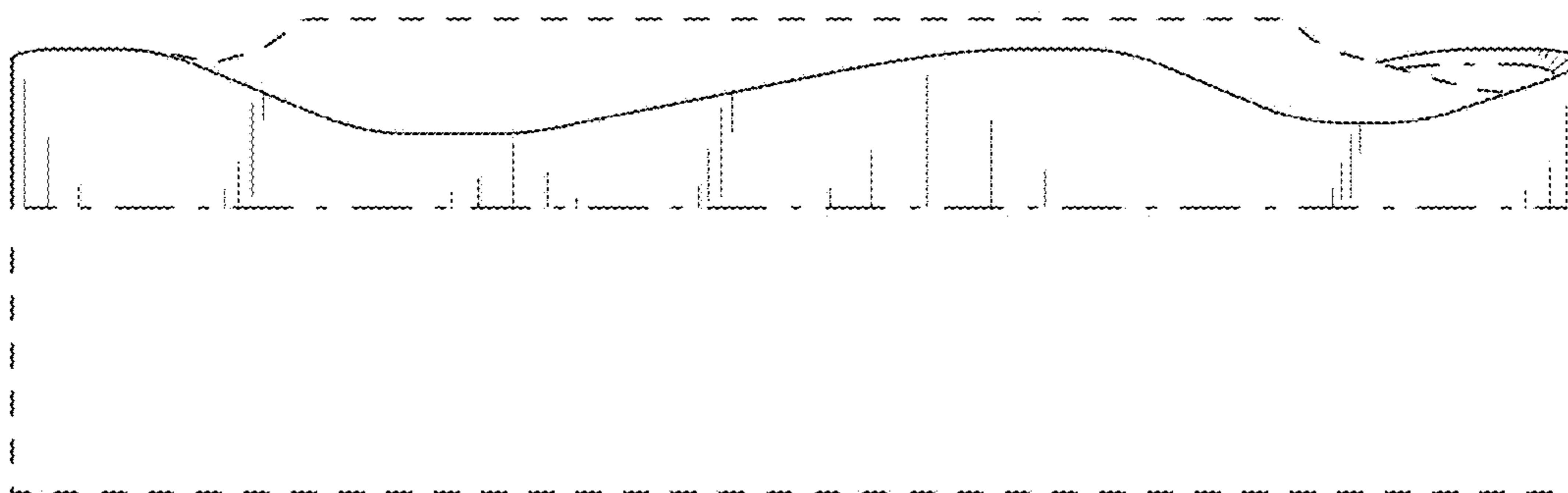
2012/0070242 A1\* 3/2012 Choi ..... B23C 5/109  
407/113  
2012/0087748 A1\* 4/2012 Uno ..... B23C 5/06  
407/42  
2013/0129430 A1\* 5/2013 Bhagath ..... B23B 27/007  
407/33  
2016/0158854 A1\* 6/2016 Ishi ..... B23C 5/207  
409/131  
2017/0008100 A1\* 1/2017 Oikawa ..... B23C 5/06  
2017/0225243 A1\* 8/2017 Matsumura ..... B23C 5/06

\* cited by examiner

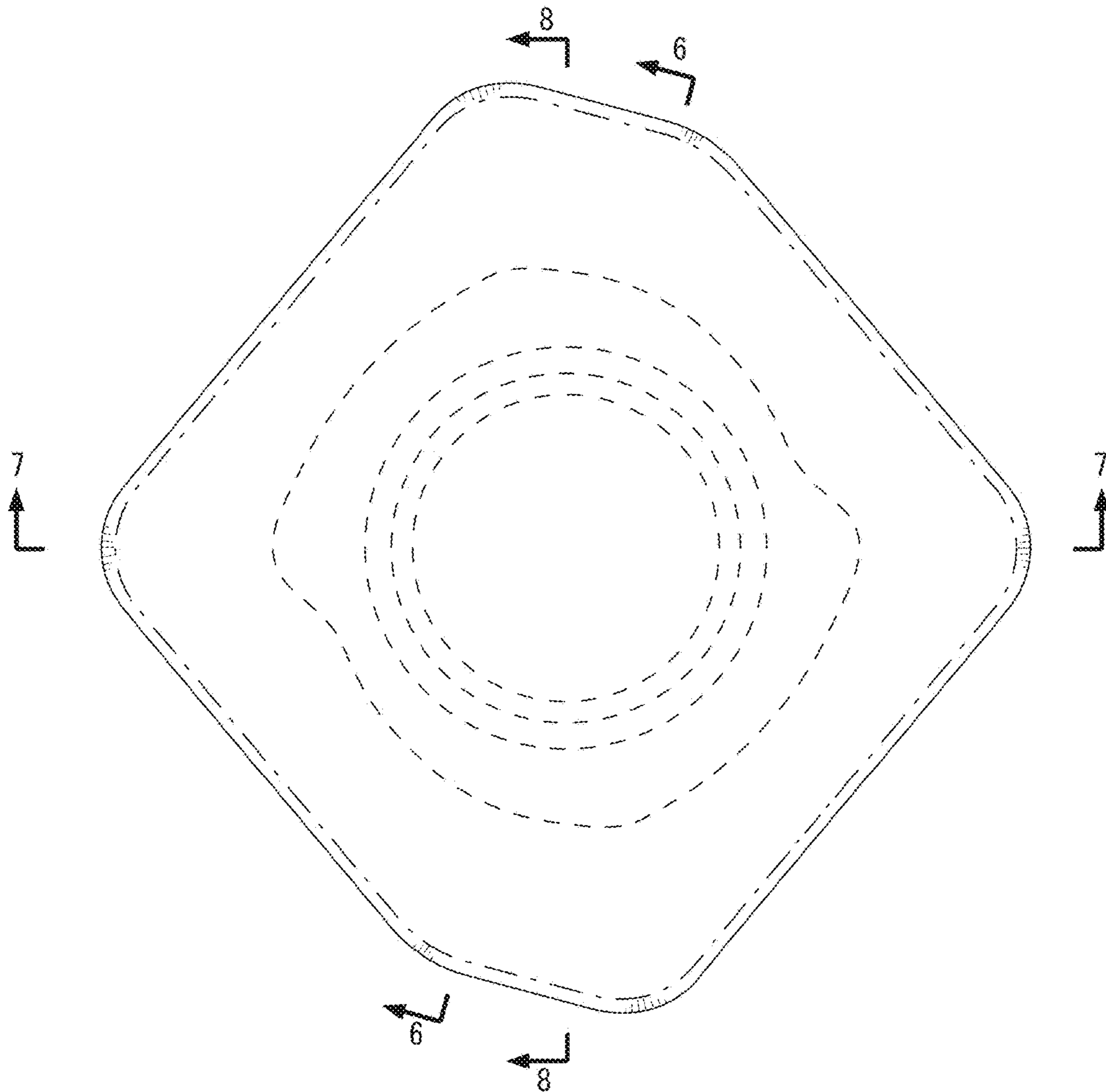
*FIG. 1*



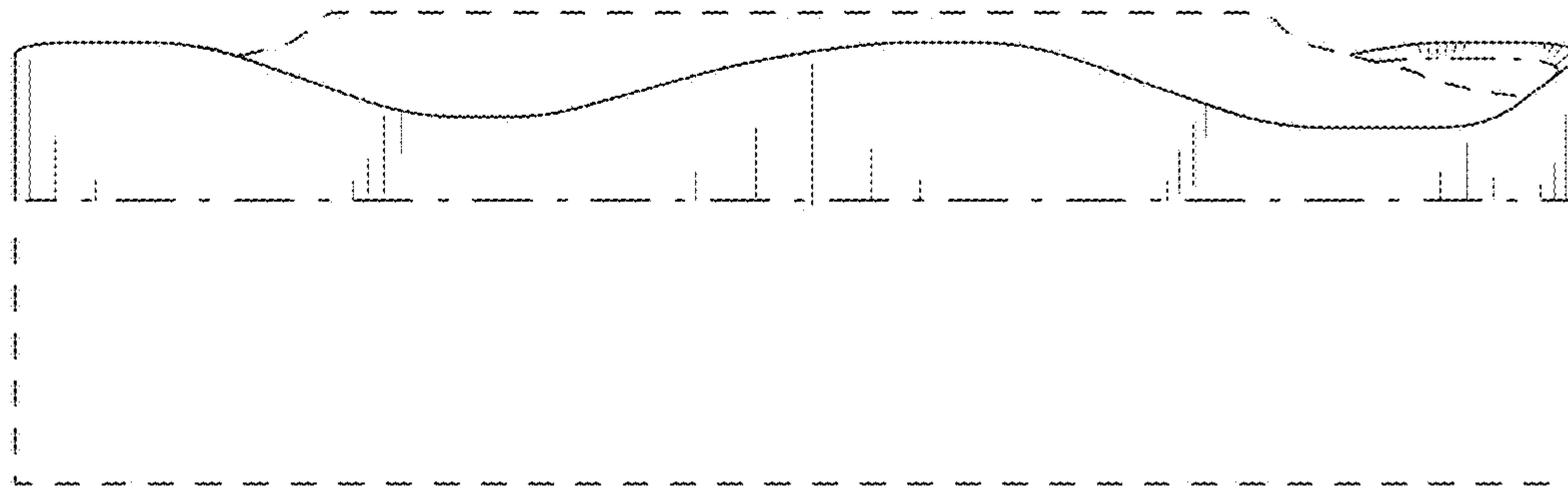
*FIG. 2*



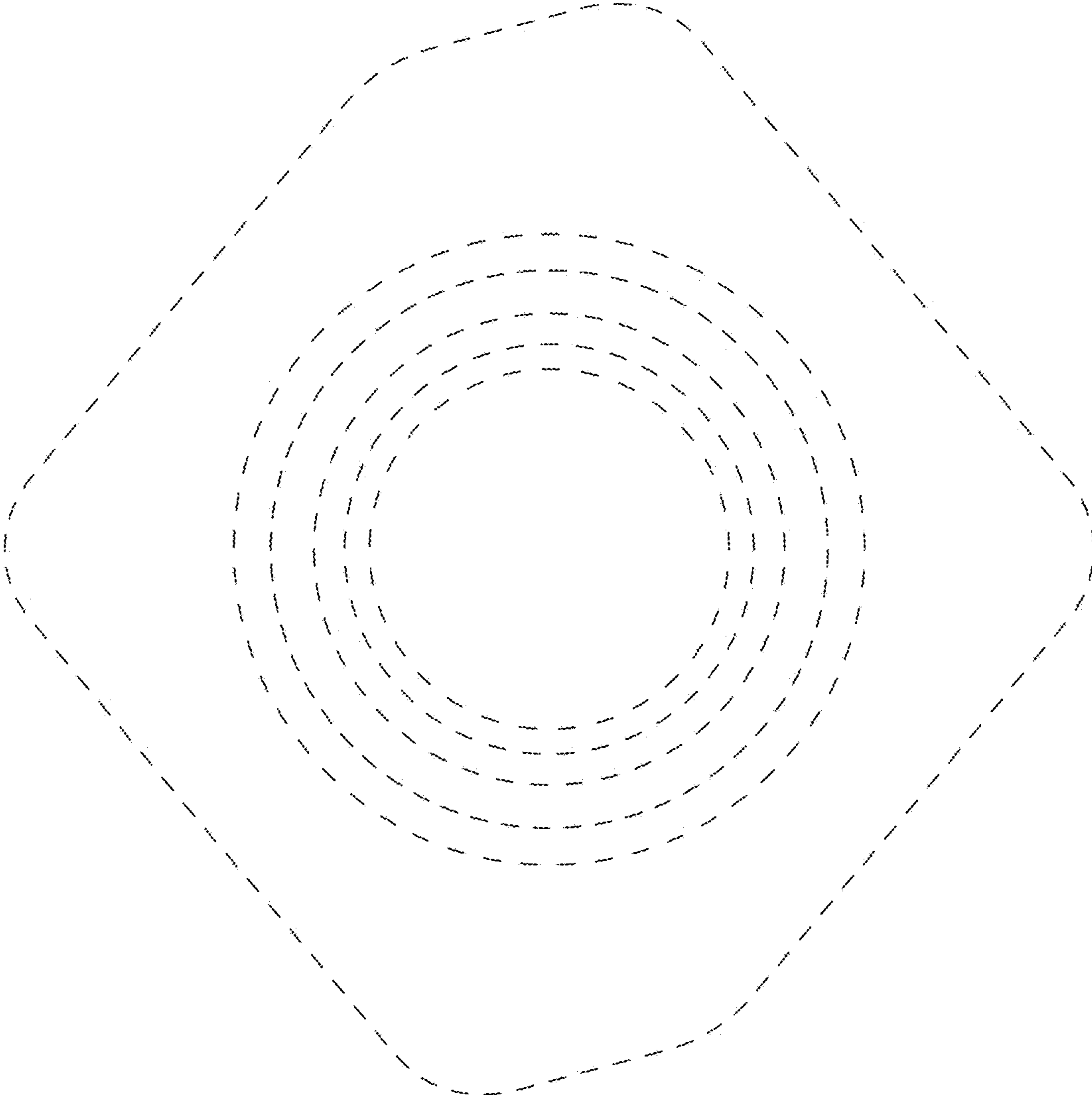
*FIG. 3*



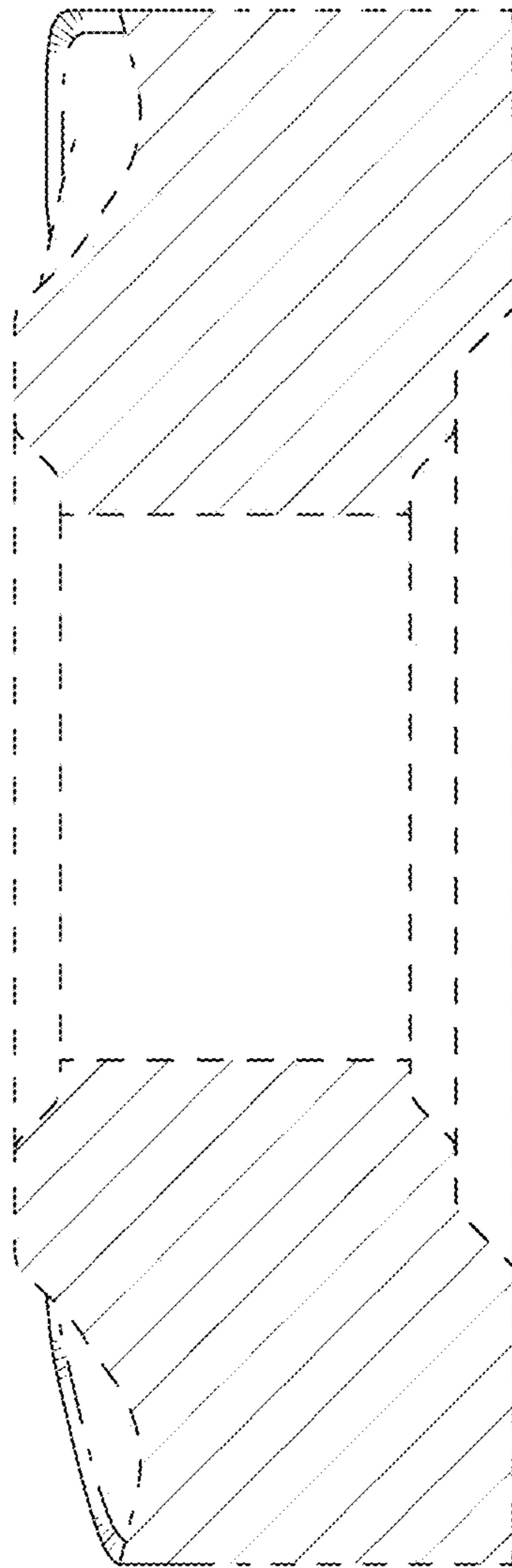
*FIG. 4*



*FIG. 5*



*FIG. 6*





*FIG. 7*



*FIG. 8*

