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

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(54) **LIGHT EMITTING DIODE**

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

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**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/180**

(58) **Field of Classification Search**

USPC ..... D13/180; D26/1  
CPC ... H01L 25/167; H01L 25/0753; H01L 27/15;  
H01L 27/156; H01L 31/02; H01L 33/00;  
H01L 33/04; H01L 33/08; H01L 33/10;  
H01L 33/20; H01L 33/38; H01L 33/42;  
H01L 33/48; H01L 33/483; H01L 33/486  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D573,113 S \* 7/2008 Bando ..... D13/180  
D580,381 S \* 11/2008 Bando ..... D13/180

D584,699 S \* 1/2009 Bando ..... D13/180  
D592,617 S \* 5/2009 Bando ..... D13/180  
D598,400 S \* 8/2009 Bando ..... D13/180  
D642,998 S \* 8/2011 Lin ..... D13/180  
D667,385 S \* 9/2012 Lin ..... D13/180  
D671,082 S \* 11/2012 Chang ..... D13/180

(Continued)

**FOREIGN PATENT DOCUMENTS**

KR 30-0344866 S 2/2004  
KR 3005006780000 8/2008

(Continued)

**OTHER PUBLICATIONS**

“Office Action of Taiwan Counterpart Application,” dated May 9, 2016, p. 1-p. 3.

(Continued)

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(57) **CLAIM**

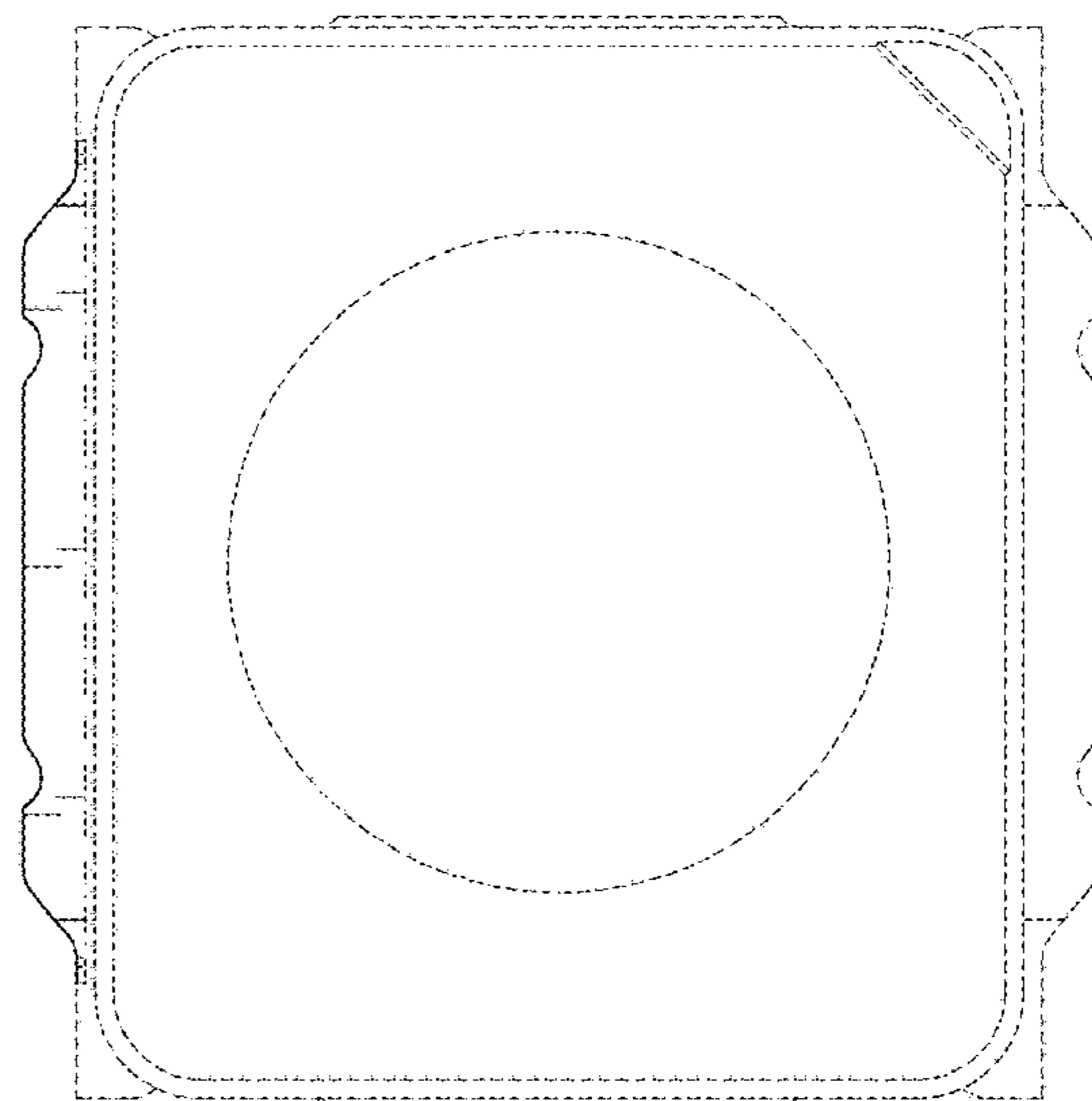
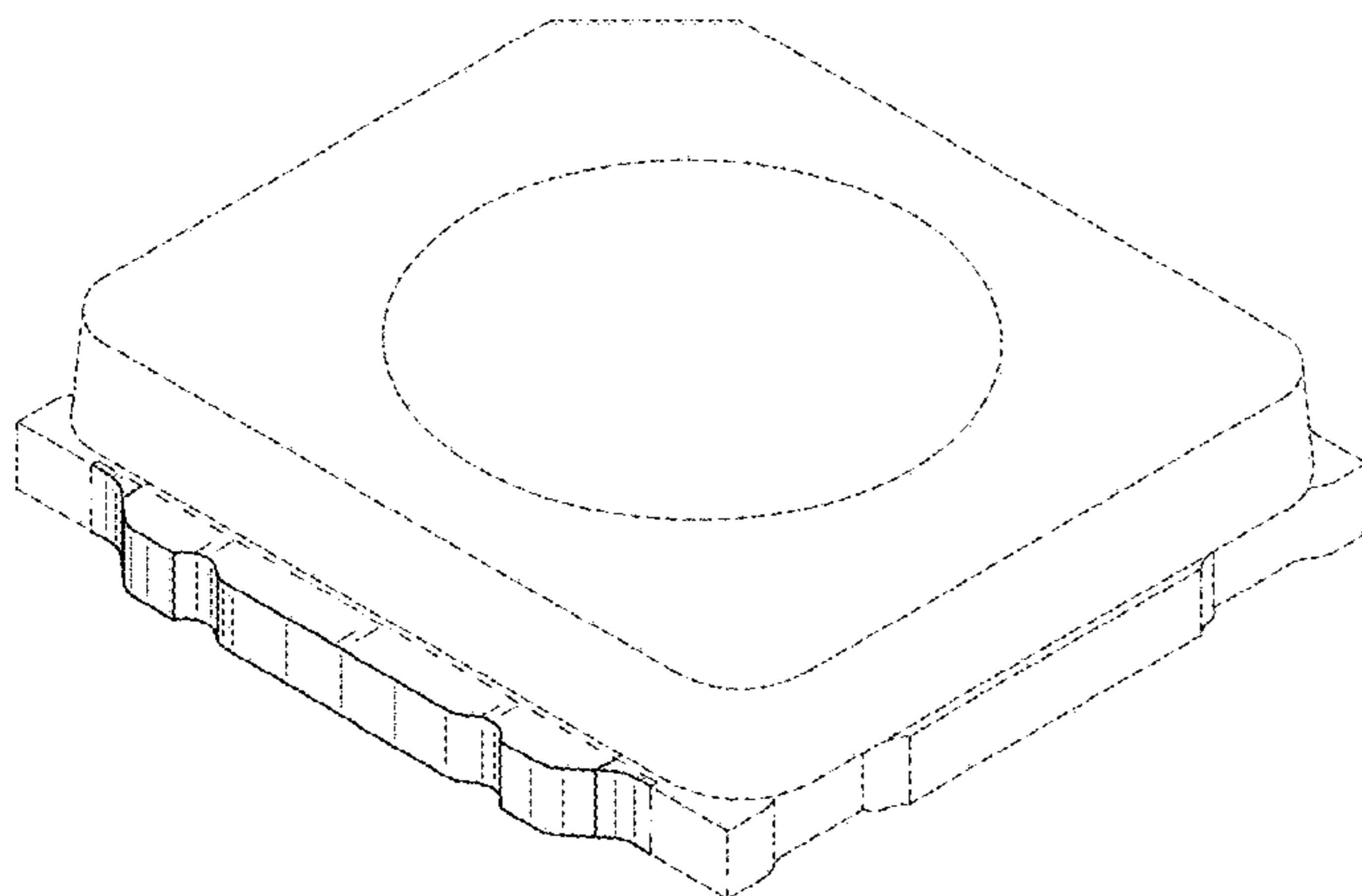
The ornamental design for a light emitting diode, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a light emitting diode showing an embodiment of our new design; FIG. 2 is another perspective view of the embodiment; FIG. 3 is a front view of the embodiment; FIG. 4 is a rear view of the embodiment; FIG. 5 is a left side view of the embodiment; FIG. 6 is a right side view of the embodiment; FIG. 7 is a top view of the embodiment; and, FIG. 8 is a bottom view of the embodiment.

The dashed line portions in the drawings form no part of the claimed design. The dot-dash lines in the drawings define the bounds of the claimed design and form no part thereof.

**1 Claim, 6 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D678,226 S \* 3/2013 Hsu ..... D13/180  
 D693,780 S \* 11/2013 Chen ..... D13/180  
 D695,239 S \* 12/2013 Ko ..... D13/180  
 D697,877 S \* 1/2014 Hsu ..... D13/180  
 D698,744 S \* 2/2014 Kobayashi ..... D13/180  
 D703,159 S \* 4/2014 Tokunaga ..... D13/180  
 D709,039 S \* 7/2014 Ko ..... D13/180  
 D709,040 S \* 7/2014 Chen ..... D13/180  
 D709,042 S \* 7/2014 Cai ..... D13/180  
 D712,851 S \* 9/2014 Cai ..... D13/180  
 D719,111 S \* 12/2014 Lo ..... D13/180  
 D782,425 S \* 3/2017 Ko ..... D13/180  
 D784,935 S \* 4/2017 Kawano ..... D13/180  
 10,177,292 B2 \* 1/2019 Hsieh ..... H01L 33/486  
 2017/0200867 A1 \* 7/2017 Chien ..... H01L 33/486  
 2017/0229625 A1 \* 8/2017 Hsieh ..... H01L 33/60

FOREIGN PATENT DOCUMENTS

TW D149221 9/2012  
 TW D154429 7/2013

TW D154430 7/2013  
 TW D154432 7/2013  
 TW D162744 9/2014  
 TW D167977 5/2015

OTHER PUBLICATIONS

“Office Action of Taiwan Related Application No. 105307836,” dated May 9, 2017, p. 1-p. 3.

“Office Action of Taiwan Related Application No. 105307838,” dated May 9, 2017, p. 1-p. 3.

Marion Reichl, “Duris S 5 mit längere Lebensdauer bei höheren Anwendungstemperaturen”, OSRAM, Apr. 18, 2013, HJ2501179400, [internet] [http://www.osram.de/osram\\_de/presse/pressemeldungen/\\_fachpresse/2013/duris-s-5-mit-laengerer-lebensdauer-bei-hoeheren-anwendungstemperaturen/index.jsp?search\\_result=%2fosram\\_de%2fpresse%2fpressemeldun](http://www.osram.de/osram_de/presse/pressemeldungen/_fachpresse/2013/duris-s-5-mit-laengerer-lebensdauer-bei-hoeheren-anwendungstemperaturen/index.jsp?search_result=%2fosram_de%2fpresse%2fpressemeldun), (total 5 pages).

Communication dated Feb. 15, 2018 from the Japanese Patent Office in counterpart Application No. 2017-015152.

Communication dated Feb. 15, 2018 from the Japanese Patent Office in counterpart Application No. 2016-027285.

\* cited by examiner

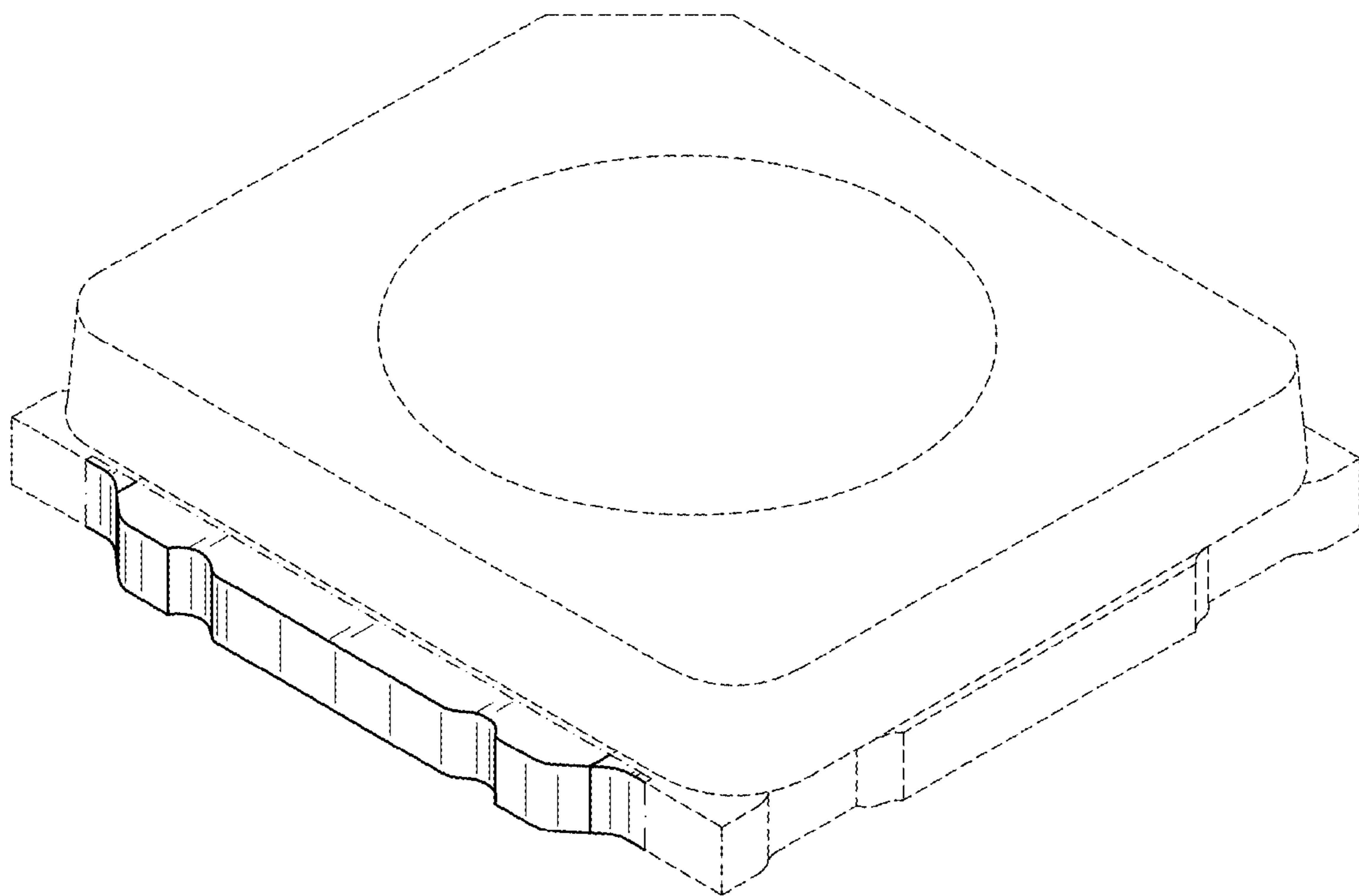


FIG. 1

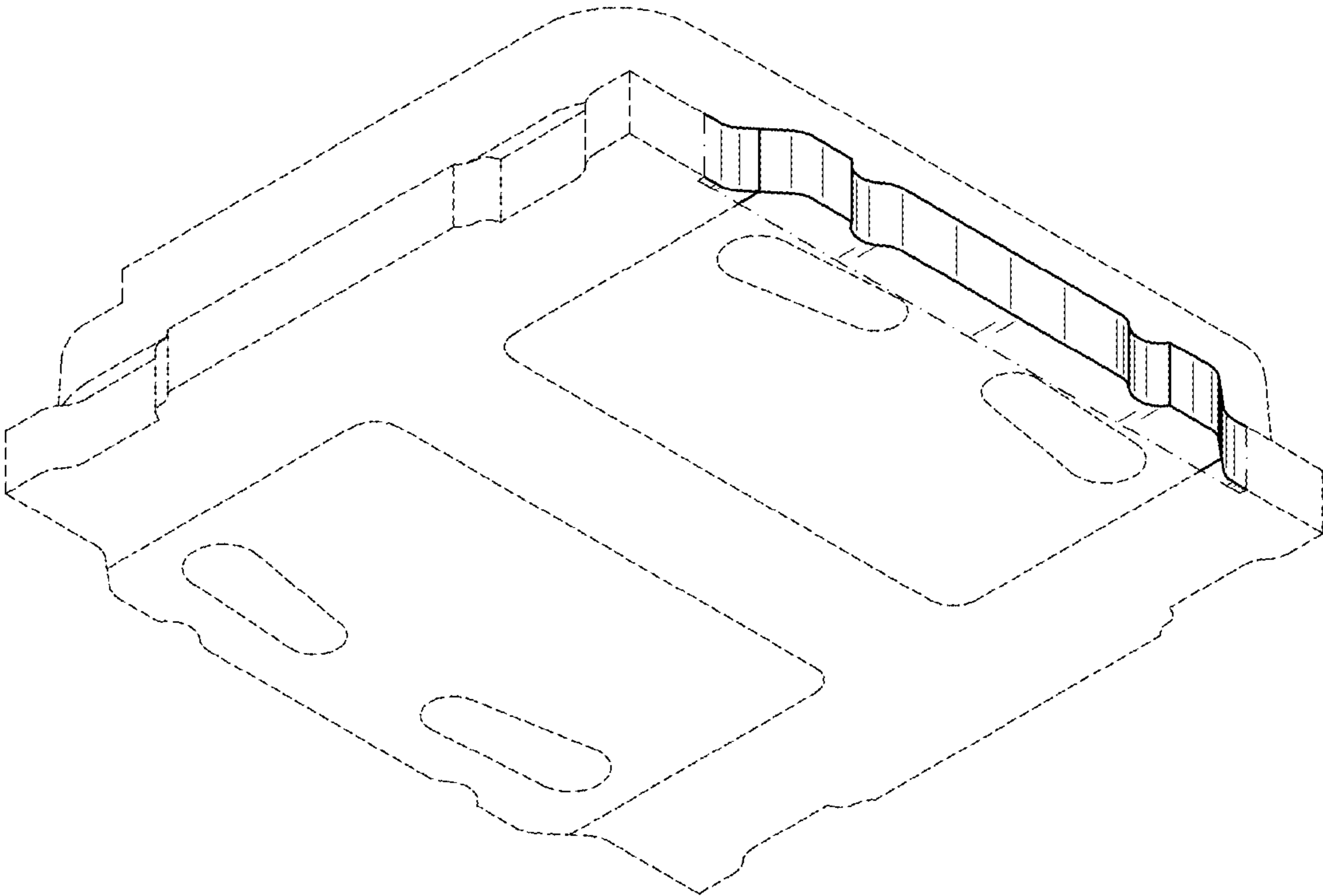


FIG. 2

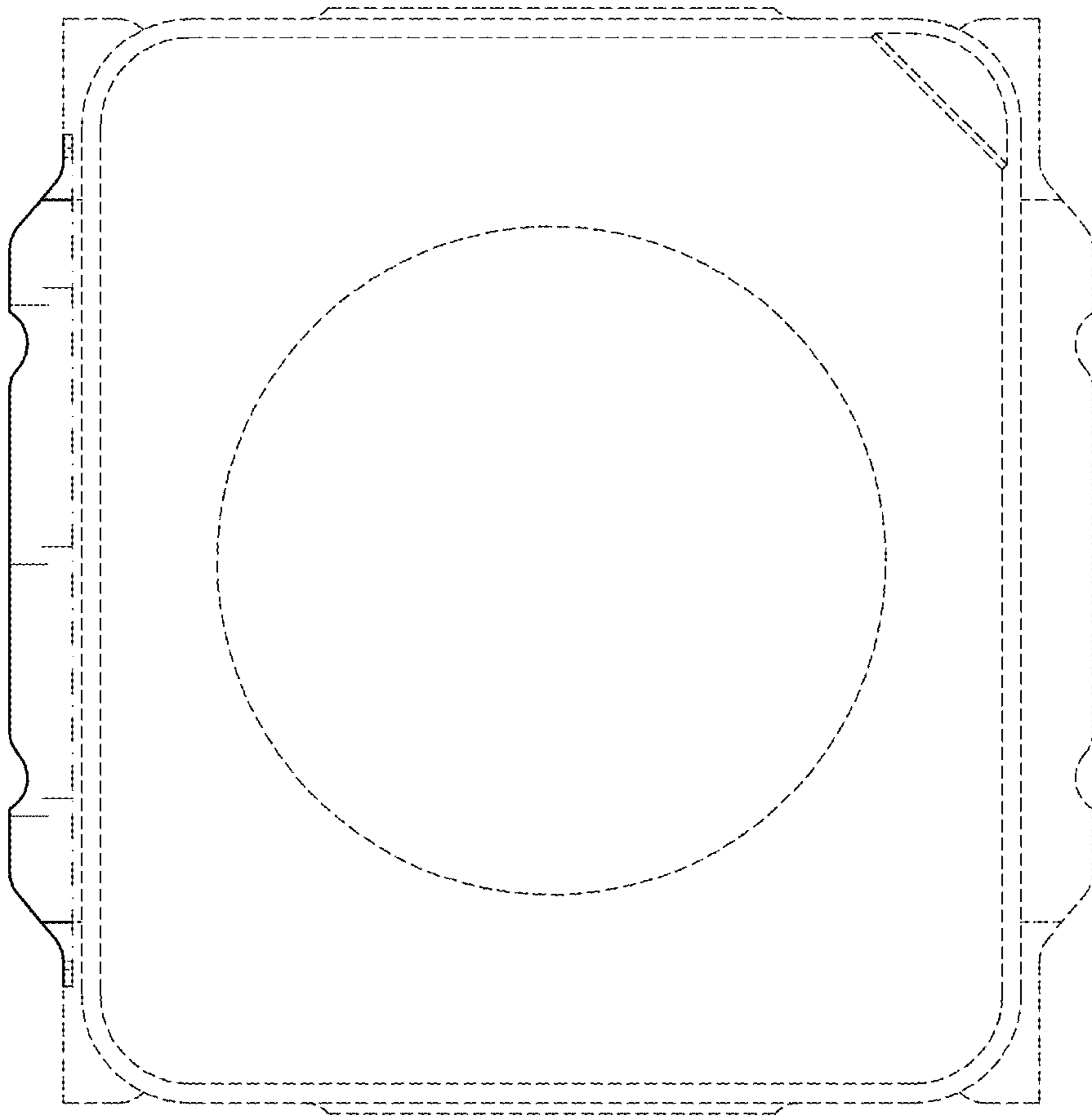


FIG. 3

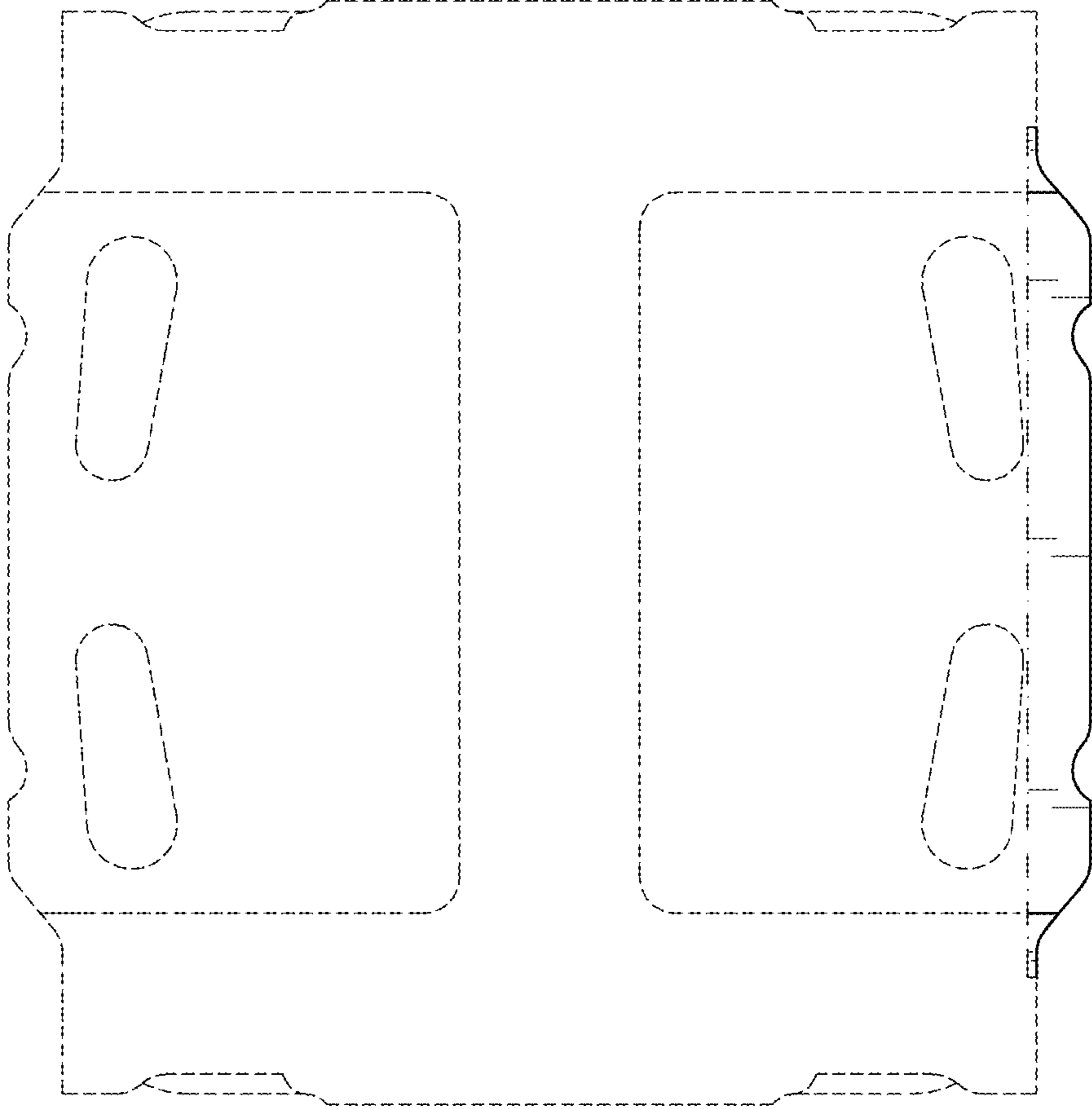


FIG. 4

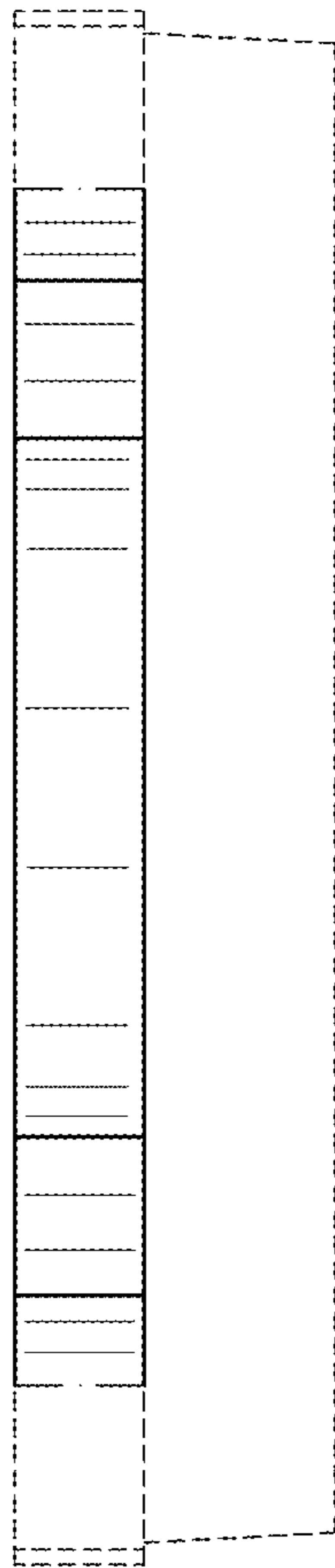


FIG. 5

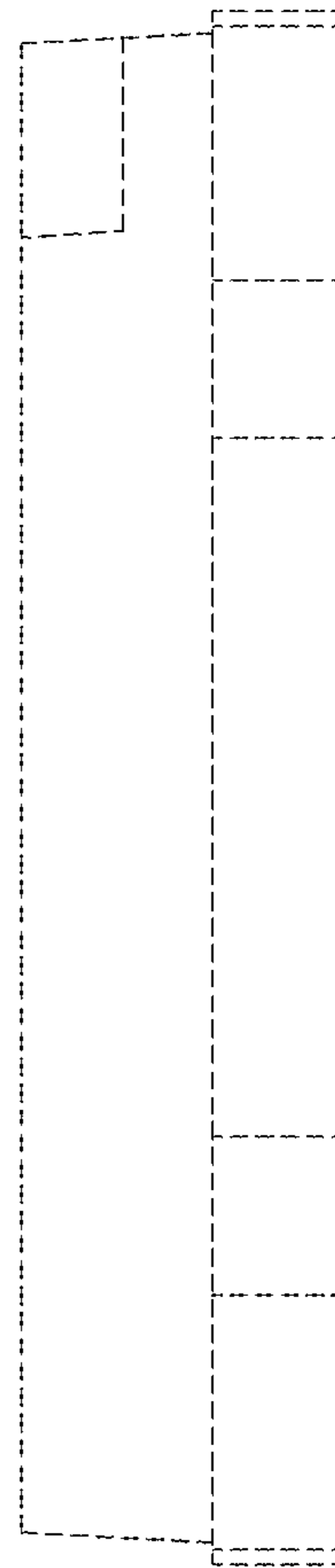


FIG. 6

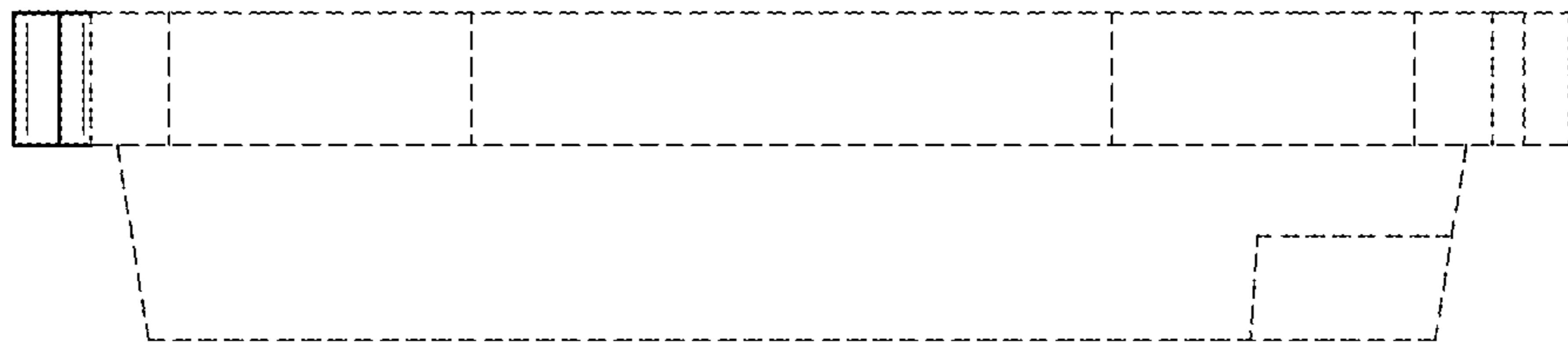


FIG. 7



FIG. 8