



US00D715233S

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

(10) **Patent No.:** **US D715,233 S**
(45) **Date of Patent:** **** Oct. 14, 2014**

(54) **LIGHT EMITTING DIODE**

(75) Inventors: **Toshimasa Takao**, Anan (JP); **Tetsuya Yagi**, Anan (JP)
(73) Assignee: **Nichia Corporation**, Anan-shi (JP)
(**) Term: **14 Years**
(21) Appl. No.: **29/418,160**
(22) Filed: **Apr. 12, 2012**

Related U.S. Application Data

(62) Division of application No. 29/360,431, filed on Apr. 26, 2010, now Pat. No. Des. 661,262.

(30) **Foreign Application Priority Data**

Oct. 26, 2009 (JP) 2009-024958

(51) **LOC (10) CL.** **13-03**

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

(58) **Field of Classification Search**
USPC D13/180; D26/1, 2; 257/79, 80, 81, 88,
257/89, 95, 98, 99, 100, E33.058; 313/483,
313/498, 500; 362/555, 800
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D439,351 S 3/2001 Kiba et al.
6,483,623 B1 11/2002 Maruyama
D471,166 S 3/2003 Oshio et al.
6,707,069 B2 3/2004 Song et al.
D491,899 S 6/2004 Yagi
D494,550 S 8/2004 Hoshiba

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2000-183405 6/2000
JP 2006-130714 5/2006

OTHER PUBLICATIONS

2009 Nichia LED Catalogue, Mar. 2009, pp. 56, 57, 98, 99 (<http://www.nichia.co.jp>).

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — SAIDMAN DesignLaw Group

(57) **CLAIM**

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

DESCRIPTION

The patent or application file contains drawings executed in color. Copies of this patent or patent application publication with color drawings will be provided by the Office upon request and payment of the necessary fees.

FIG. 1 is a front, top, right side perspective view of a light emitting diode showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a right side elevational view thereof; and, FIG. 7 is a left side elevational view thereof.

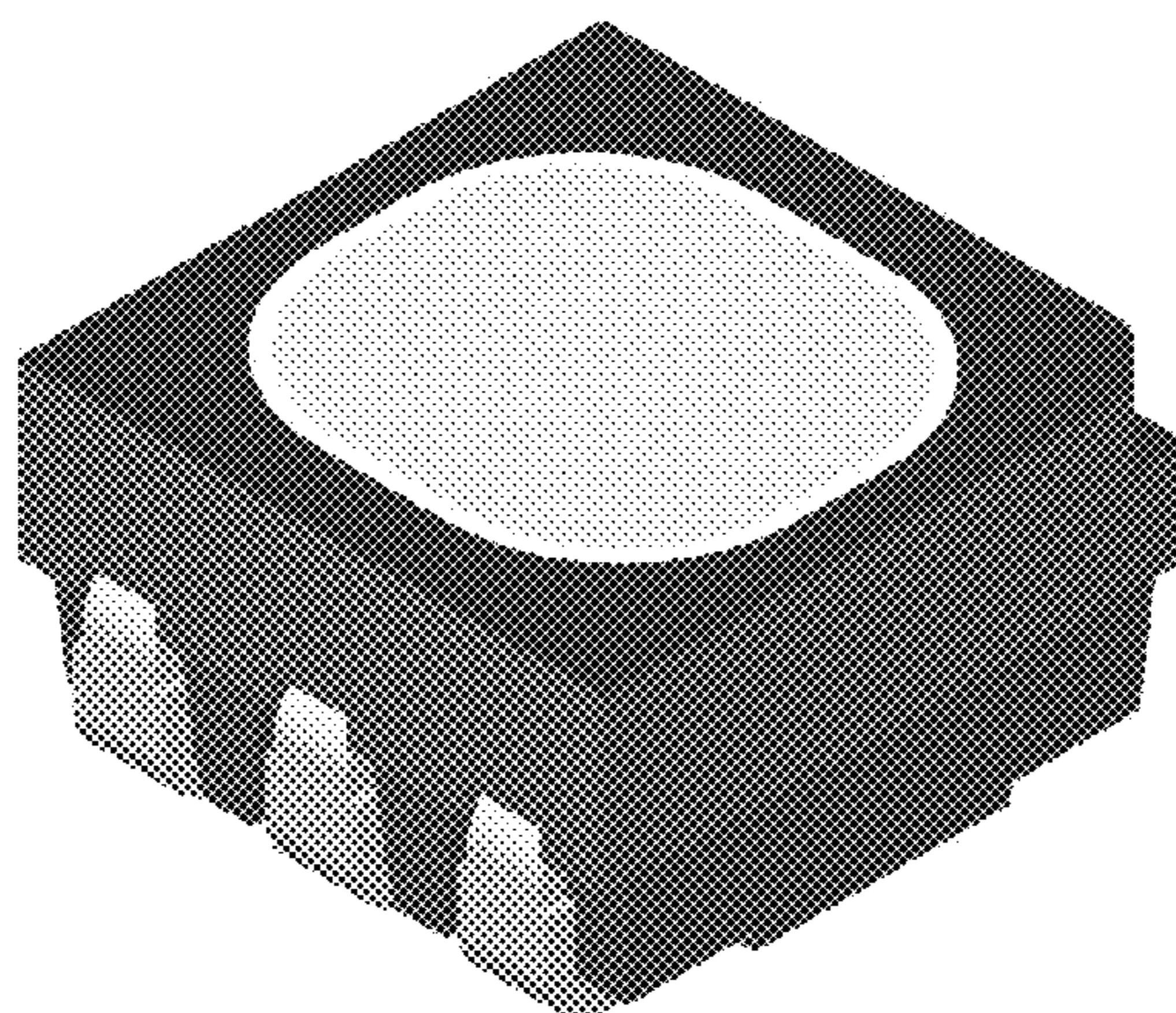
The portion shown in black indicates the color black. The portion shown in white, i.e., the thin oval portion surrounding the center top window in FIGS. 1 and 4, indicates the color white.

The center top window inside the thin white portion in FIGS. 1 and 4 is shaded to indicate it is translucent.

The electrodes are shaded to indicate contour.

The thin white portion is substantially planar and flush with the surrounding black body portion. The center top window is substantially planar and flush with the surrounding thin white portion and black body portion.

1 Claim, 1 Drawing Sheet
(1 of 1 Drawing Sheet(s) Filed in Color)



(56)

References Cited

U.S. PATENT DOCUMENTS

D495,304 S 8/2004 Kim et al.
D505,396 S 5/2005 Hoshiba
D511,329 S 11/2005 Suenaga
D522,468 S 6/2006 Song
D535,263 S 1/2007 Sumitani
D578,083 S 10/2008 Shimonishi et al.
D584,246 S 1/2009 Low et al.
D586,302 S 2/2009 Kim et al.

D608,309 S 1/2010 Kim
D608,740 S 1/2010 Lu et al.
D611,012 S 3/2010 Hsieh
D621,800 S 8/2010 Hsieh
D621,801 S 8/2010 Hsieh
D622,682 S 8/2010 Park et al.
7,815,343 B2 10/2010 Nii et al.
D627,312 S 11/2010 Lai et al.
D661,262 S * 6/2012 Igarashi et al. D13/180
2011/0255281 A1 10/2011 Takei et al.

* cited by examiner

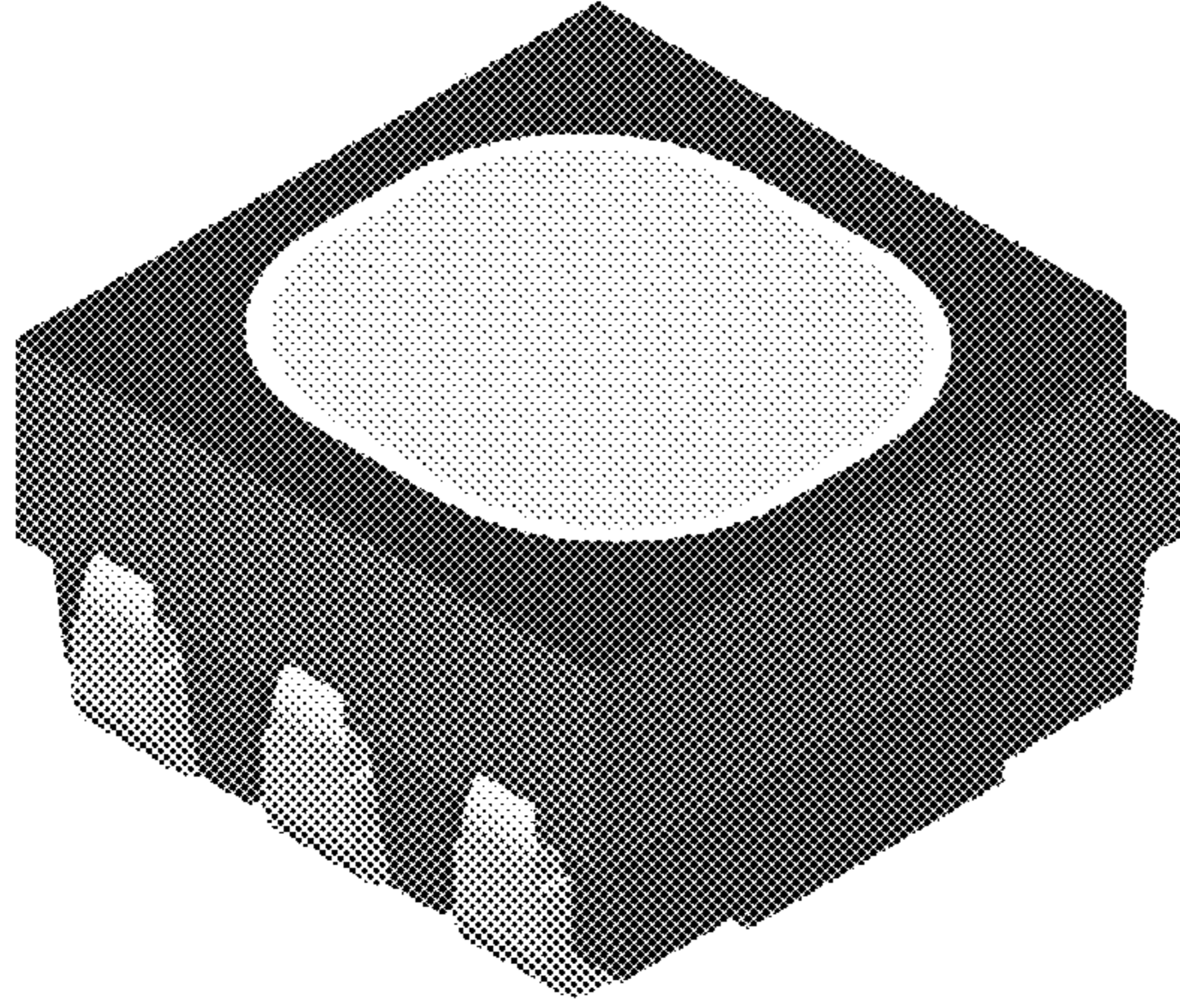


FIG. 1

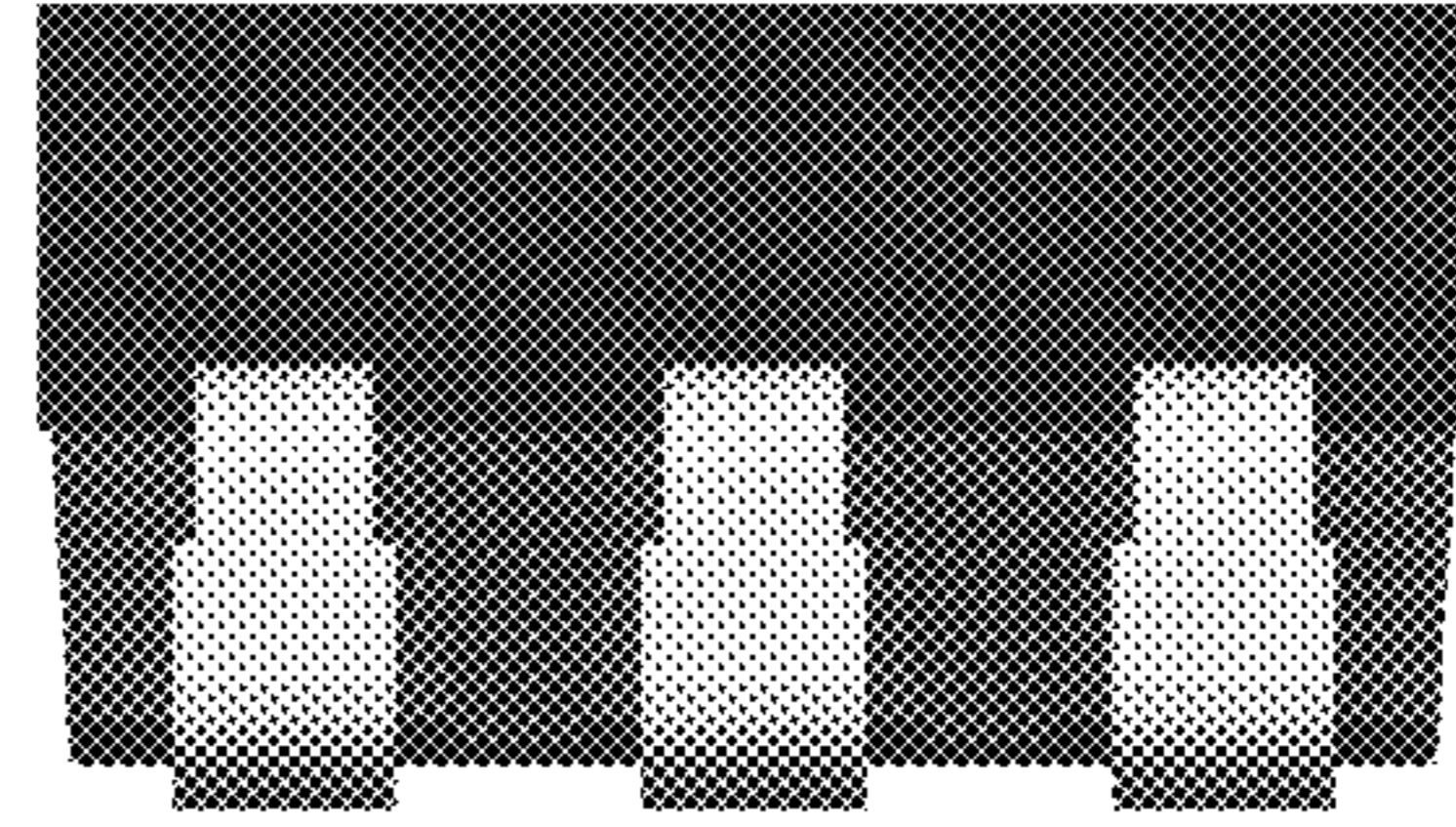


FIG. 2

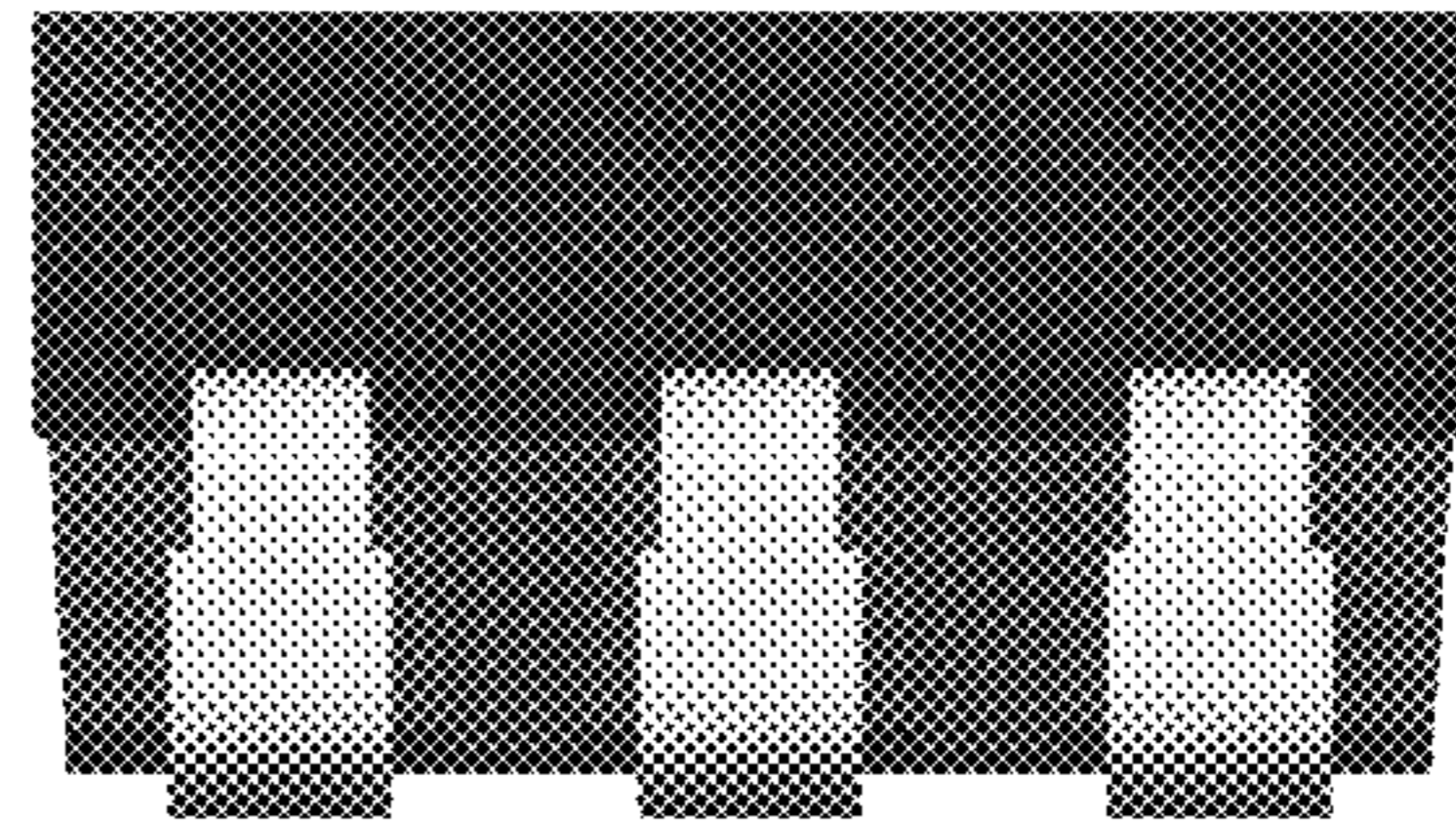


FIG. 3

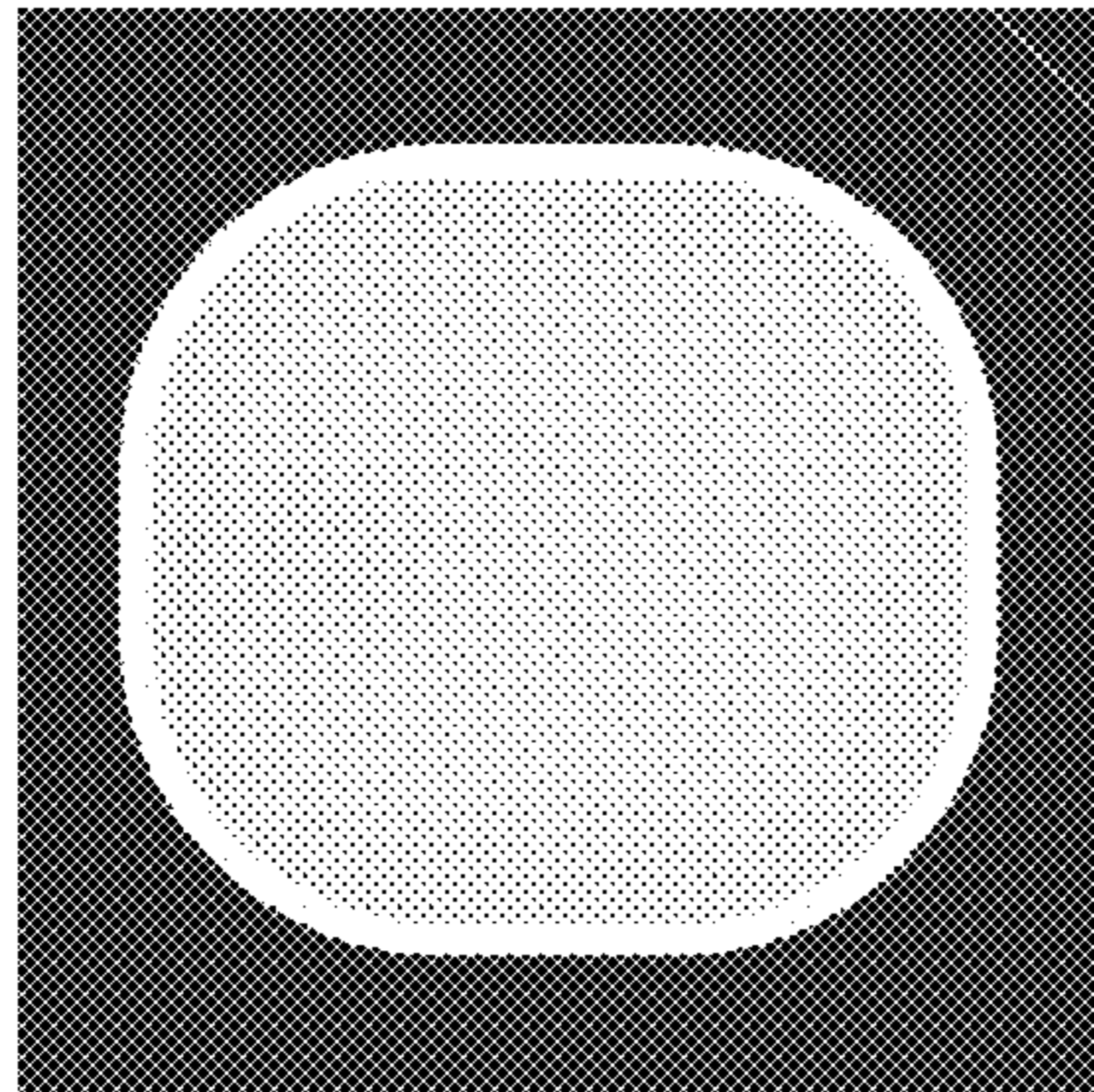


FIG. 4

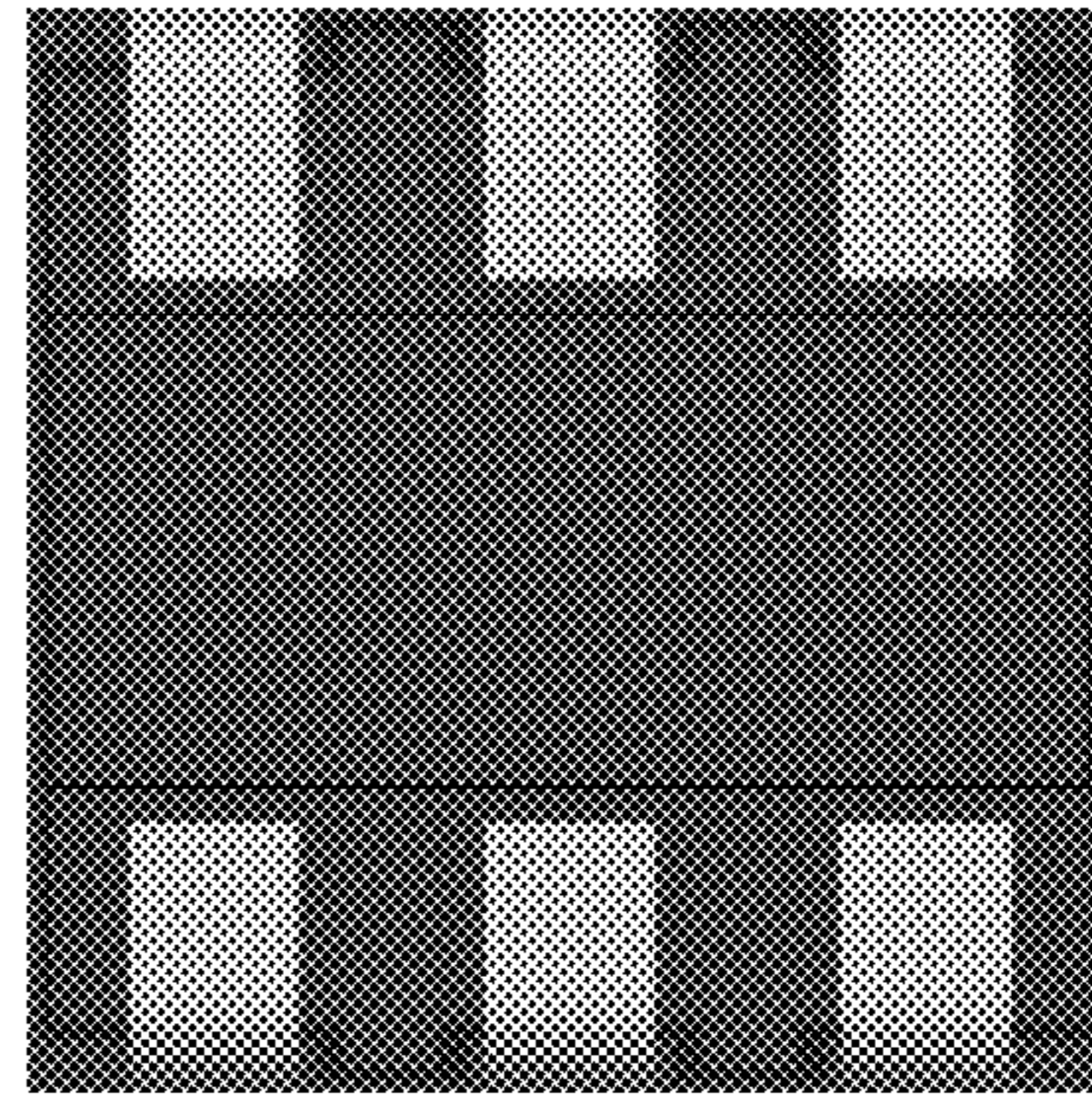


FIG. 5

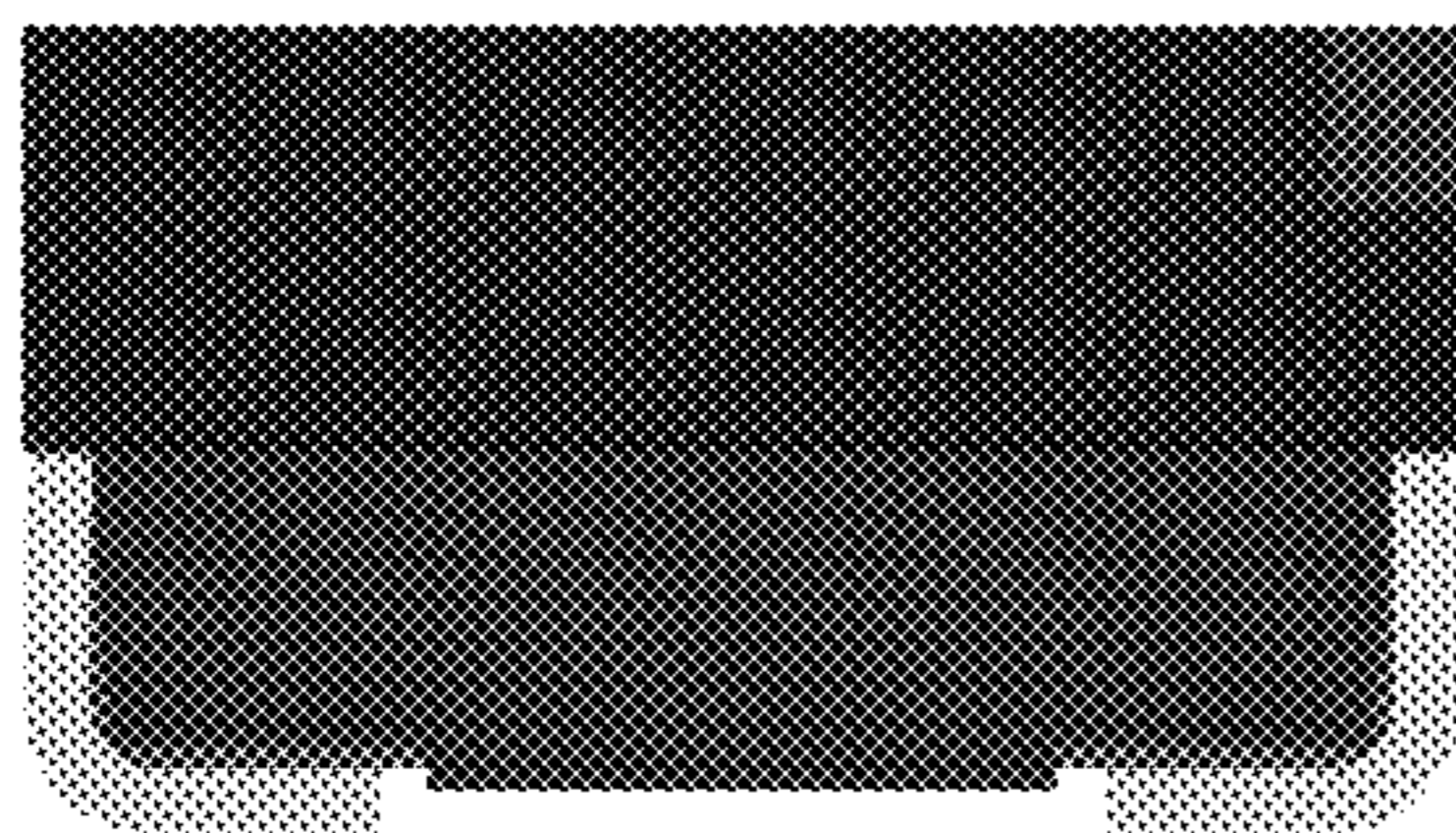


FIG. 6

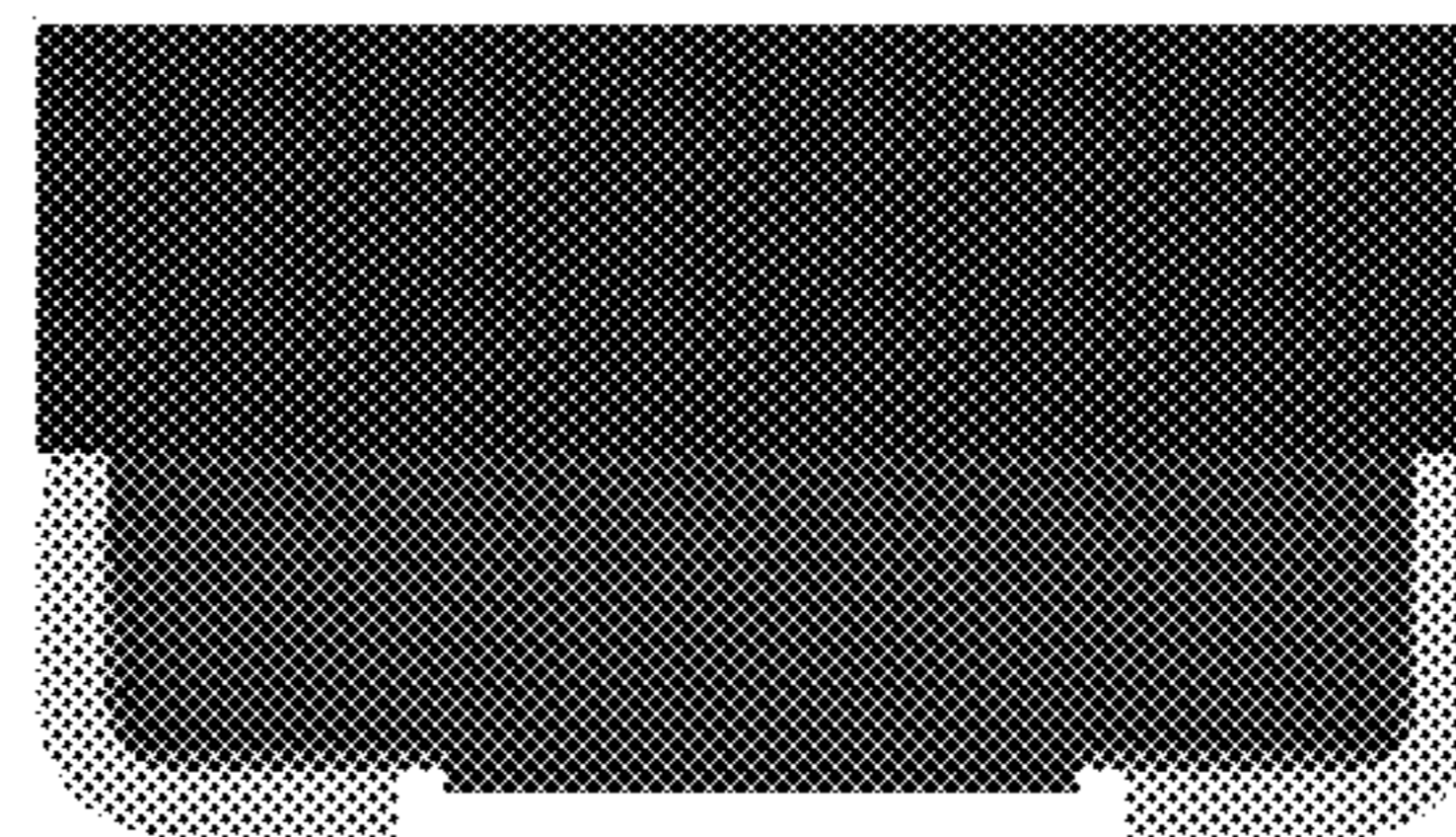


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D715,233 S
APPLICATION NO. : 29/418160
DATED : October 14, 2014
INVENTOR(S) : Toshimasa Takao et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page: Item 30 should read

Foreign Application Priority Data

Oct. 26, 2009 (JP) 2009-024957
Oct. 26, 2009 (JP) 2009-024958
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Oct. 26, 2009 (JP) 2009-024960
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Signed and Sealed this
Twenty-eighth Day of April, 2015



Michelle K. Lee
Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D715,233 S
APPLICATION NO. : 29/418160
DATED : October 14, 2014
INVENTOR(S) : Toshimasa Takao et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page: Item 75 should read

(75) Inventors: Toshimasa Takao, Tokushima-shi (JP); Tetsuya Yagi, Anan-shi (JP)

Signed and Sealed this
Fifth Day of May, 2015



Michelle K. Lee
Director of the United States Patent and Trademark Office