



US00D865215S

(12) **United States Design Patent** (10) **Patent No.:** **US D865,215 S**
Dangelo et al. (45) **Date of Patent:** **** Oct. 29, 2019**

(54) **MULTI-HOLE CARTRIDGE**

(71) Applicant: **Illumina, Inc.**, San Diego, CA (US)

(72) Inventors: **Michael Thomas Dangelo**, San Diego, CA (US); **James Michael Osmus**, San Diego, CA (US); **Lea Sandra Kobeli**, San Francisco, CA (US); **Edward Wilson Licitra**, San Francisco, CA (US)

(73) Assignee: **Illumina, Inc.**, San Diego, CA (US)

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

(21) Appl. No.: **29/589,641**

(22) Filed: **Jan. 3, 2017**

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/216, 217, 219, 220, 223, 224, 225, D24/226, 227, 232, 233; D9/424, 425,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,798,292 A * 1/1989 Hauze A61L 2/26
206/439
D332,664 S * 1/1993 Sincock D24/130
(Continued)

FOREIGN PATENT DOCUMENTS

TW D182357 S 4/2017

OTHER PUBLICATIONS

U.S. Appl. No. 29/589,638, filed Jan. 3, 2017, Dangelo, et al.
(Continued)

Primary Examiner — Vy N Koenig

(74) *Attorney, Agent, or Firm* — Weaver Austin Villeneuve & Sampson LLP

(57) **CLAIM**

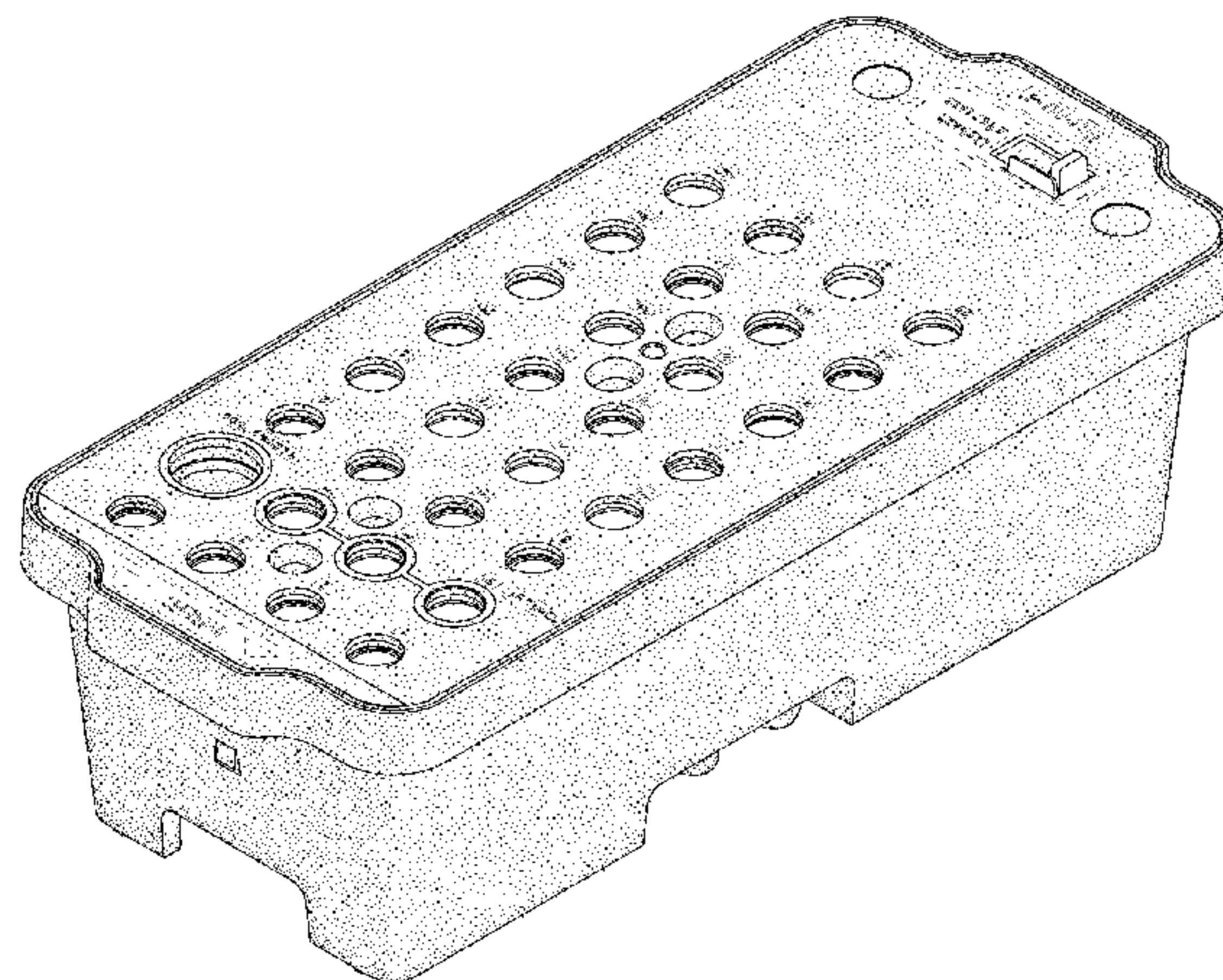
We claim the ornamental design for a multi-hole cartridge, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a multi-hole cartridge. FIG. 2 is a right side view of the multi-hole cartridge of FIG. 1. FIG. 3 is a left side view of the multi-hole cartridge of FIG. 1. FIG. 4 is a top view of the multi-hole cartridge of FIG. 1. FIG. 5 is a bottom view of the multi-hole cartridge of FIG. 1. FIG. 6 is a rear view of the multi-hole cartridge of FIG. 1. FIG. 7 is a front view of the multi-hole cartridge of FIG. 1. FIG. 8 is an off-angle view of the underside of the multi-hole cartridge of FIG. 1. FIG. 9 is another off-angle view of the underside of the multi-hole cartridge of FIG. 1. FIG. 10 is yet another off-angle view of the underside of the multi-hole cartridge of FIG. 1; and, FIG. 11 is another off-angle view of the underside of the multi-hole cartridge of FIG. 1.

Stipple shading is used in the accompanying FIGS. 1-11 to convey surface contouring and is not indicative of any particular texture, coloring, or opacity/transparency. Dash-dot-dash boundary lines are used herein to indicate a transition from claimed subject matter to unclaimed environmental structure, as evidenced by the absence of shading within the boundary shape and the presence of shading outside of the boundary shape. See, for example, the dash-dot-dash boundaries around the “illumina®”, “1”, “2”, “Detach after use”, “Insert” text, etc., which form no part of the claimed design in FIGS. 1 and 4. Additionally, for instance, above the “illumina®” in FIG. 4 are three boundary rectangles with dash-dot-dash lines; the subject matter in between the outermost and middle boundary rectangles is unclaimed subject matter, e.g., “Detach after use” and the dashed-line rectangle with rounded corners; the subject matter shown with heavier solid lines and located in-be-

(Continued)



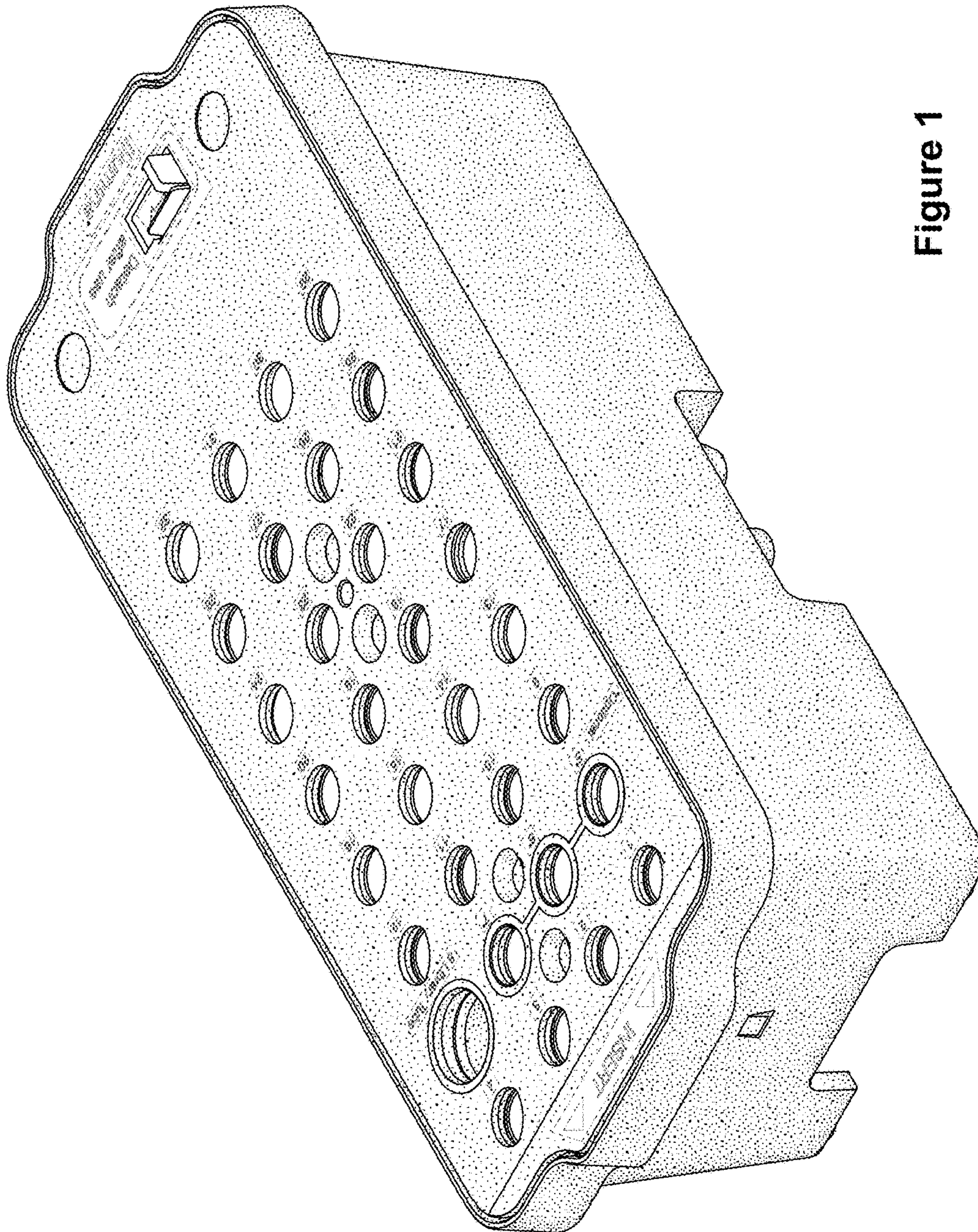


Figure 1

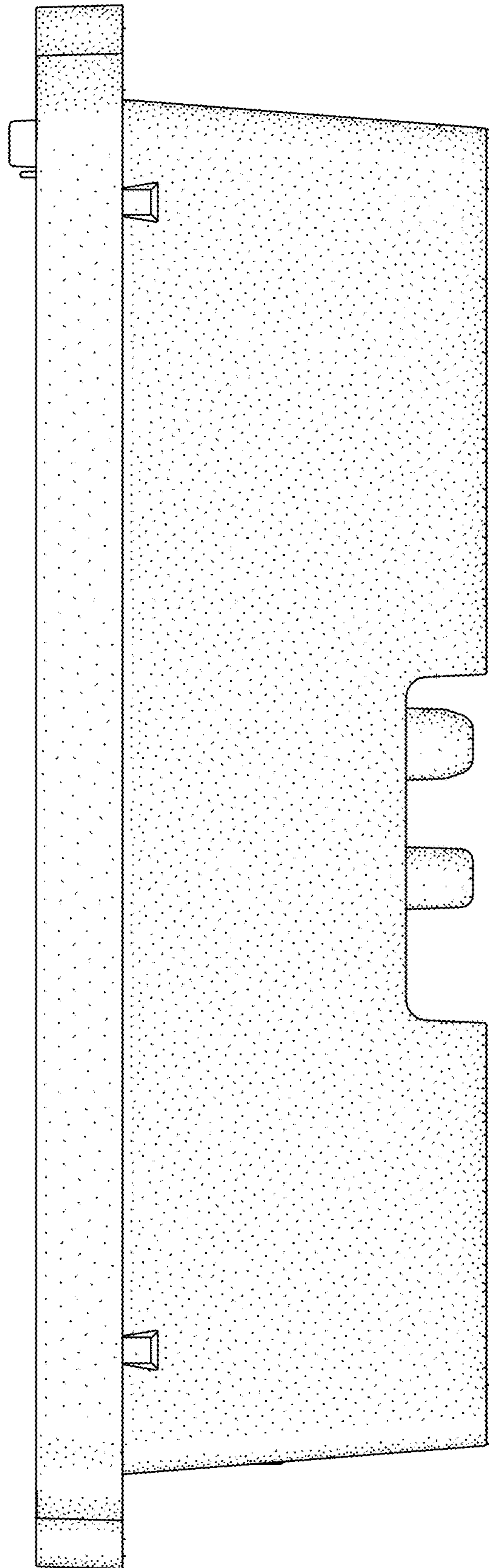


Figure 2

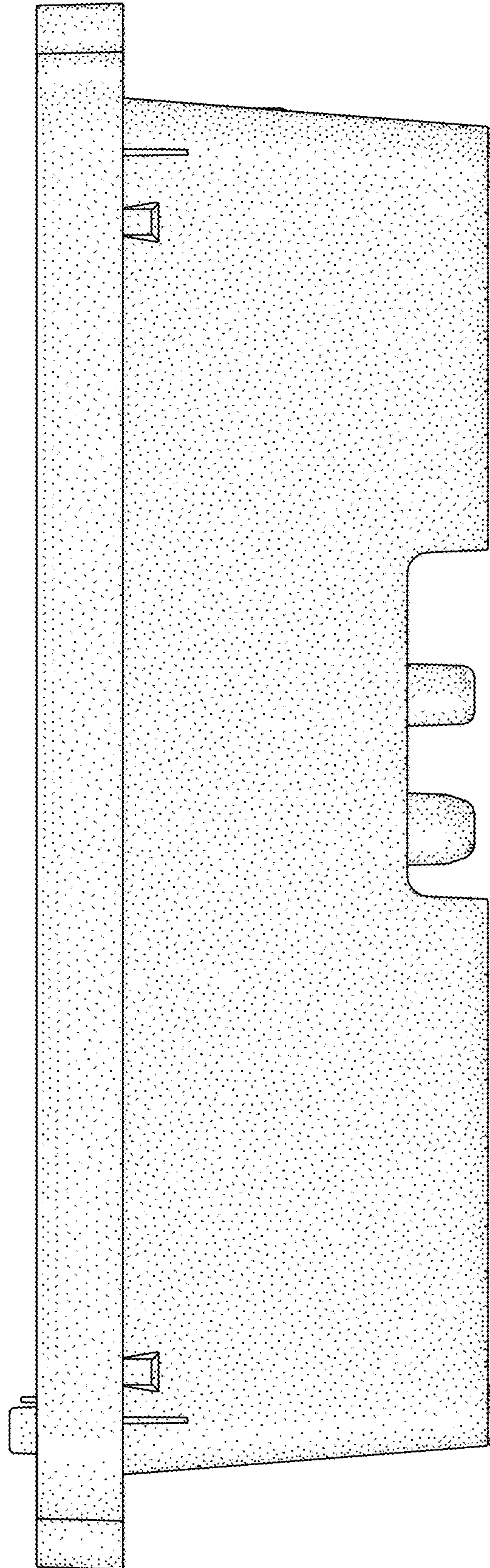


Figure 3

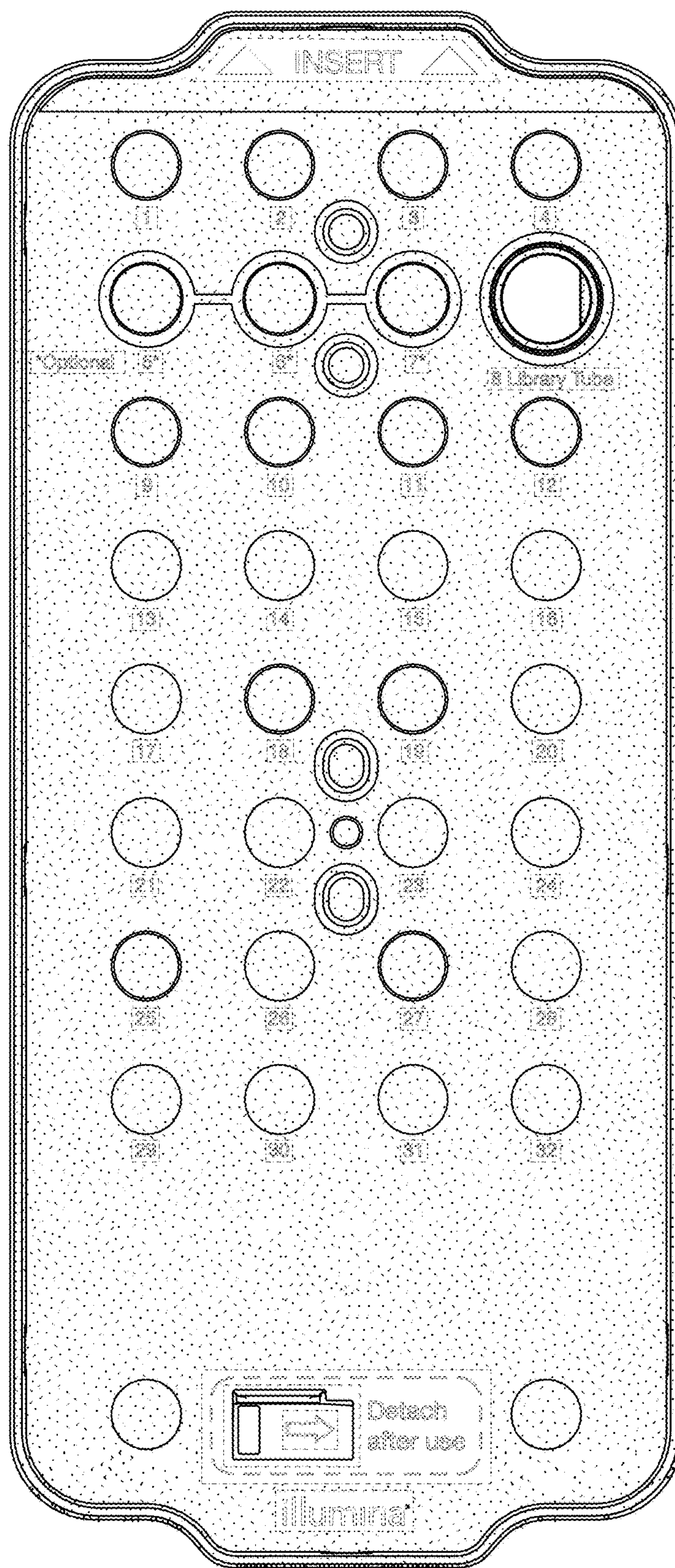


Figure 4

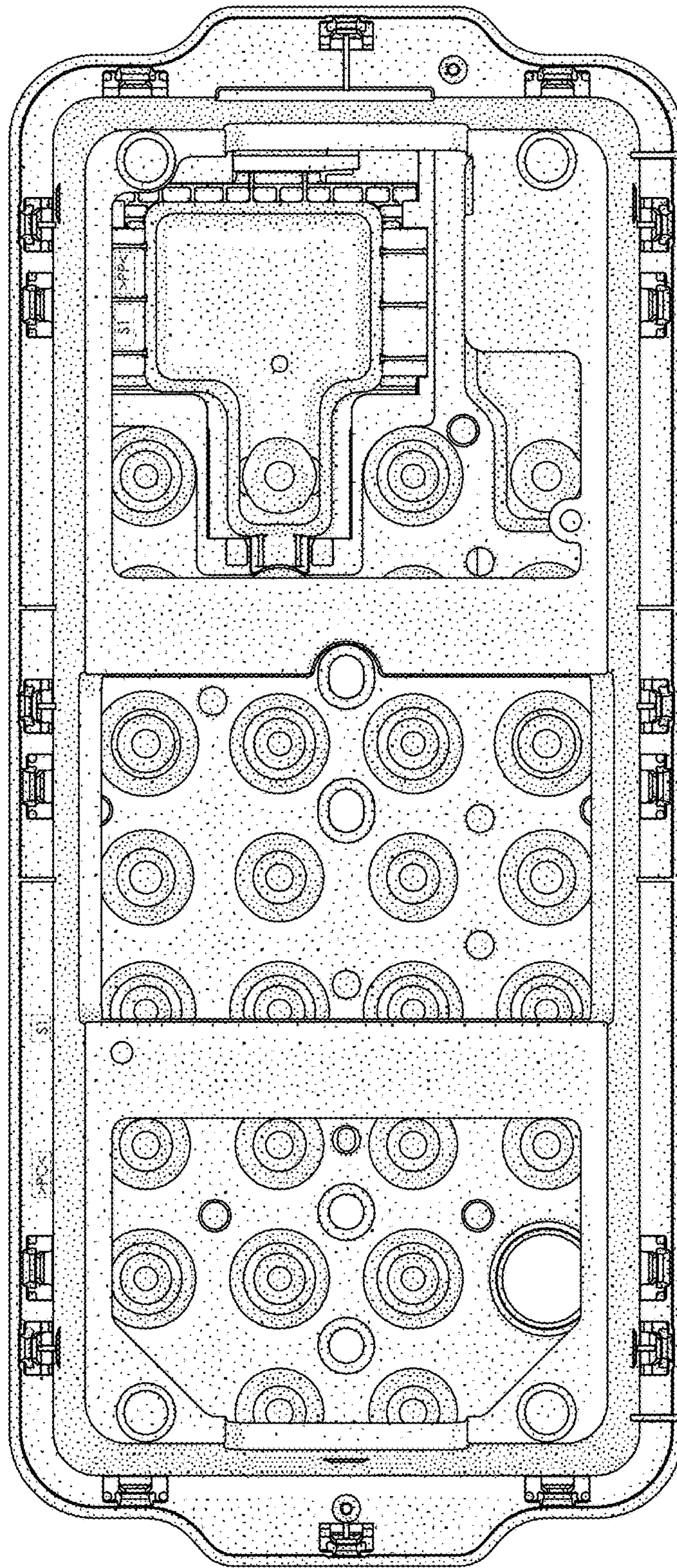


Figure 5

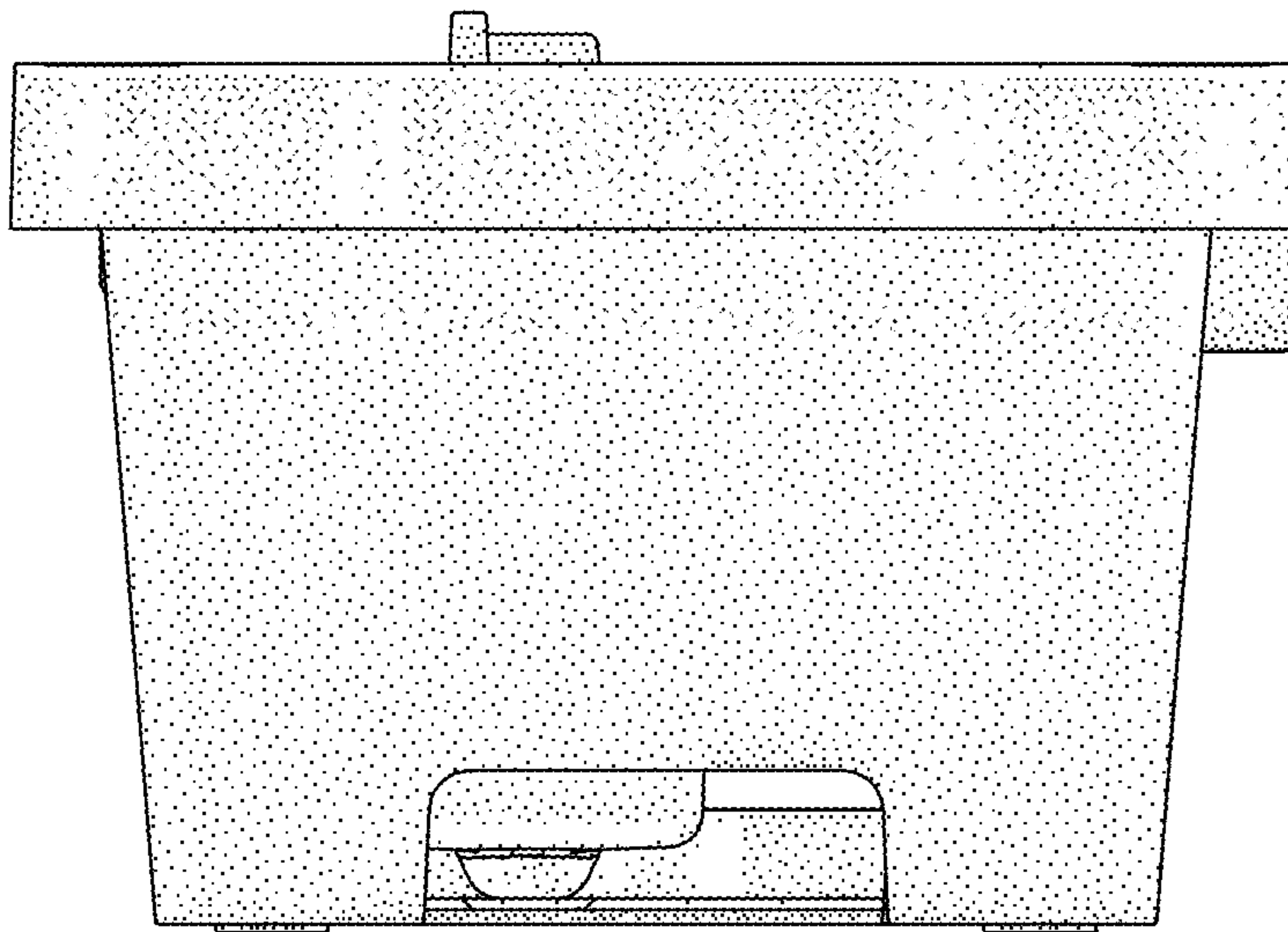


Figure 6

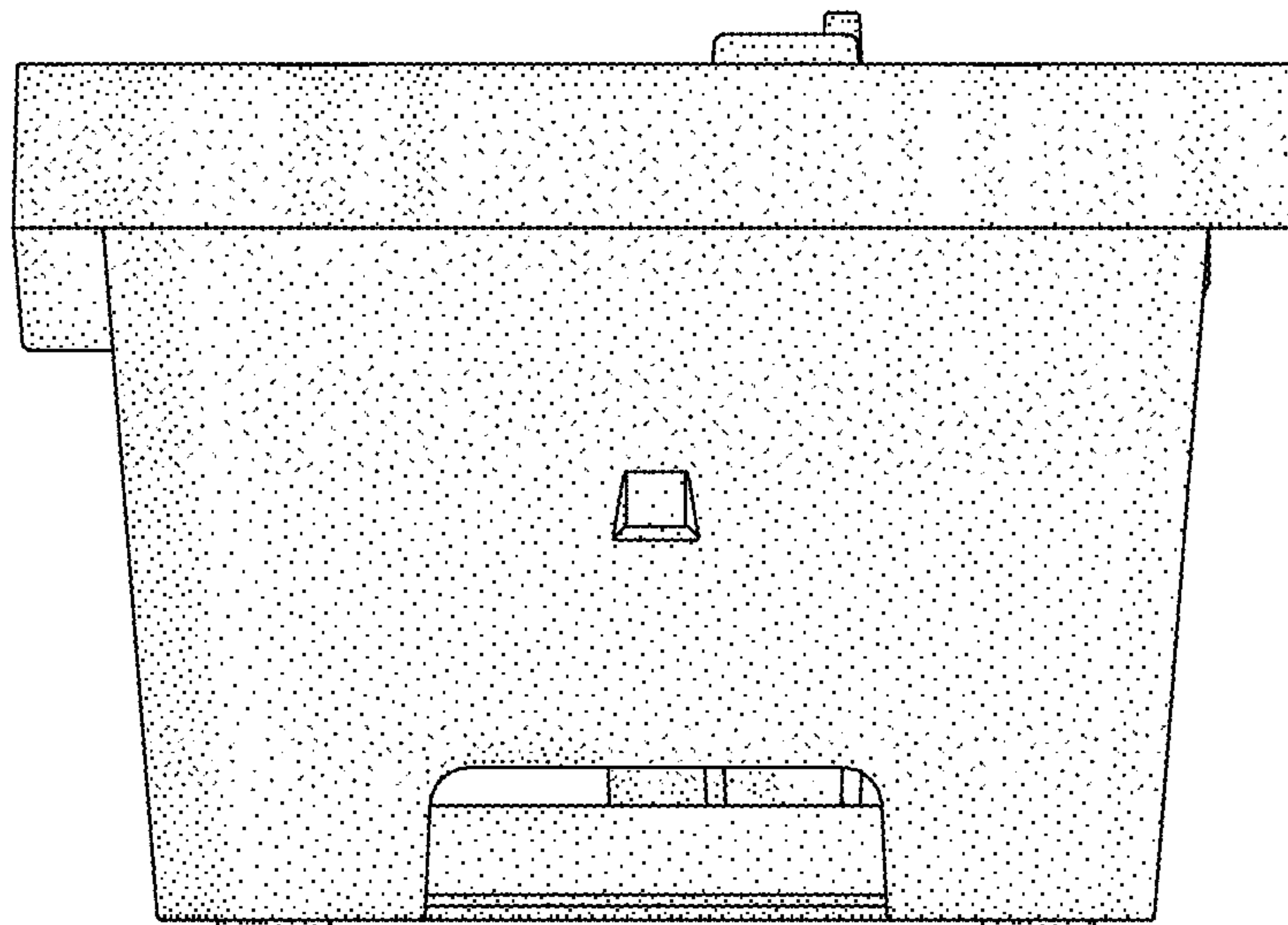


Figure 7

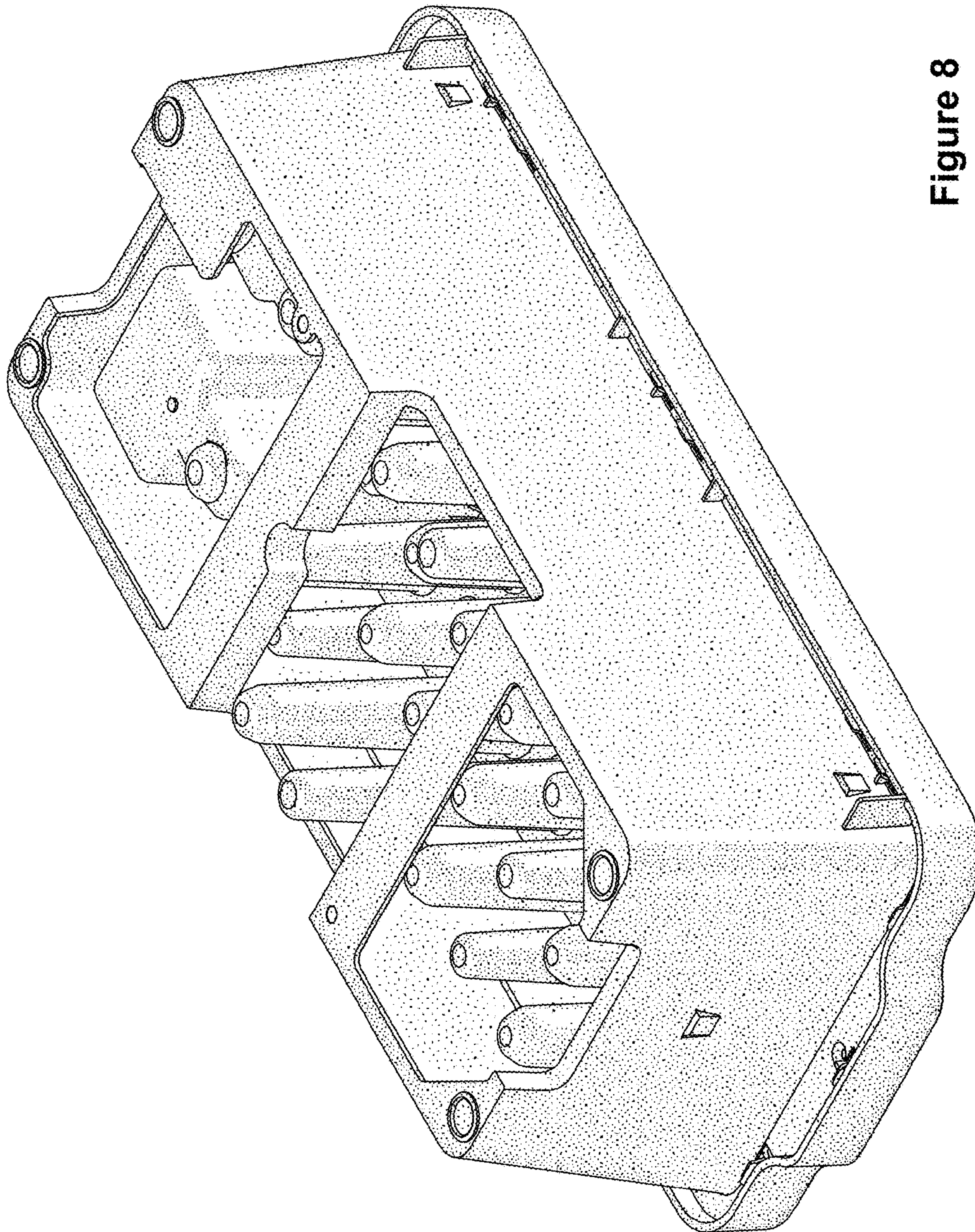


Figure 8

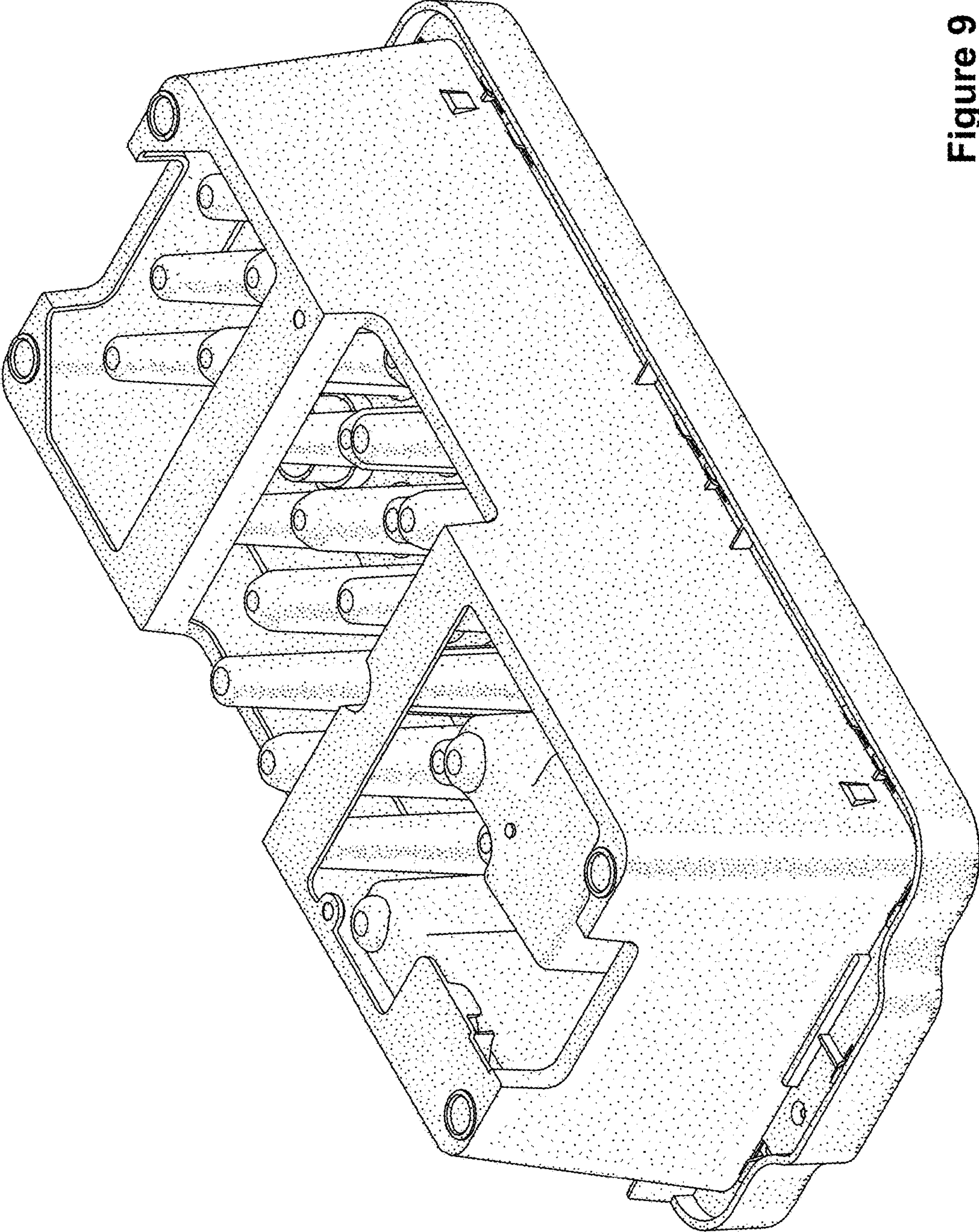


Figure 9

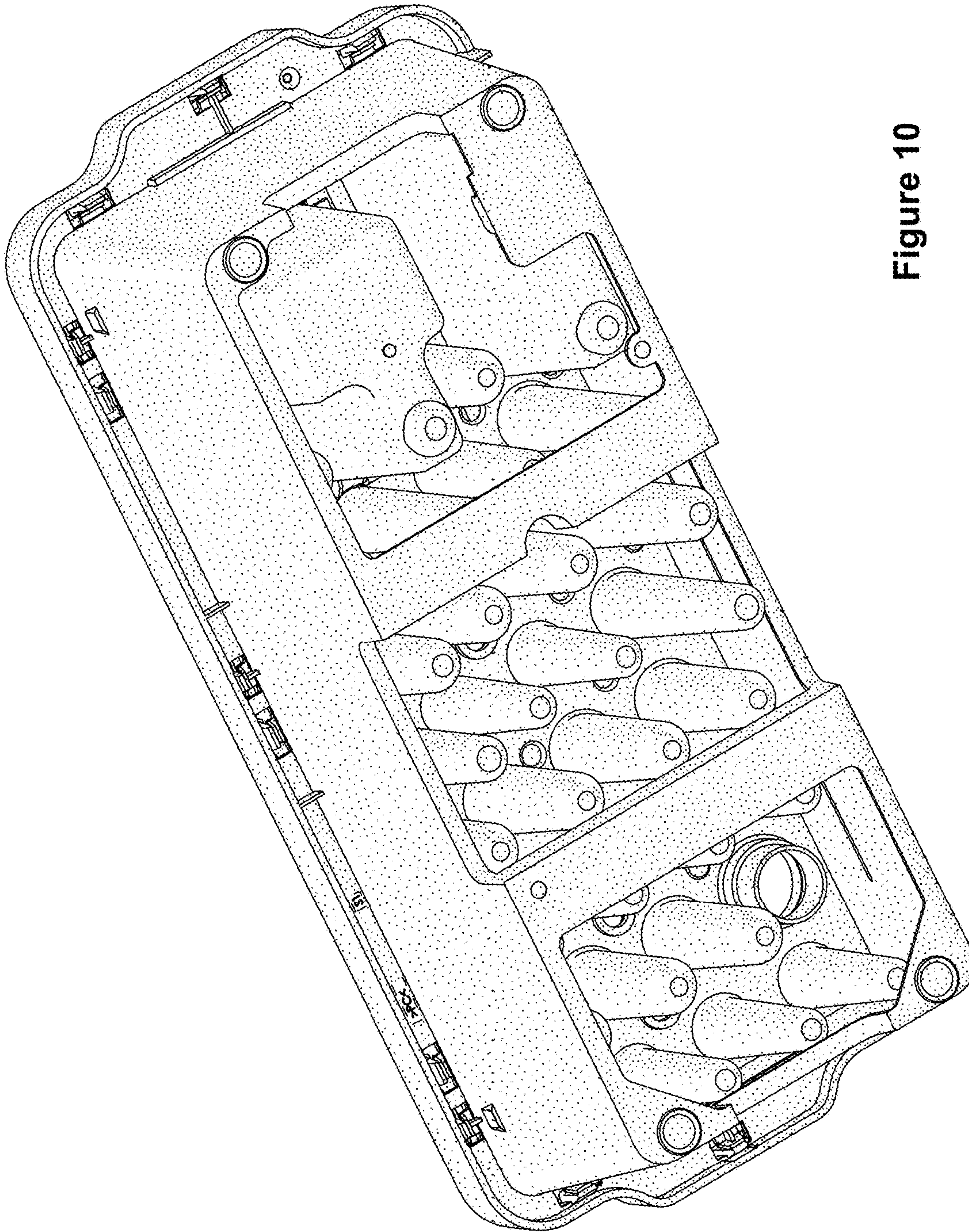


Figure 10

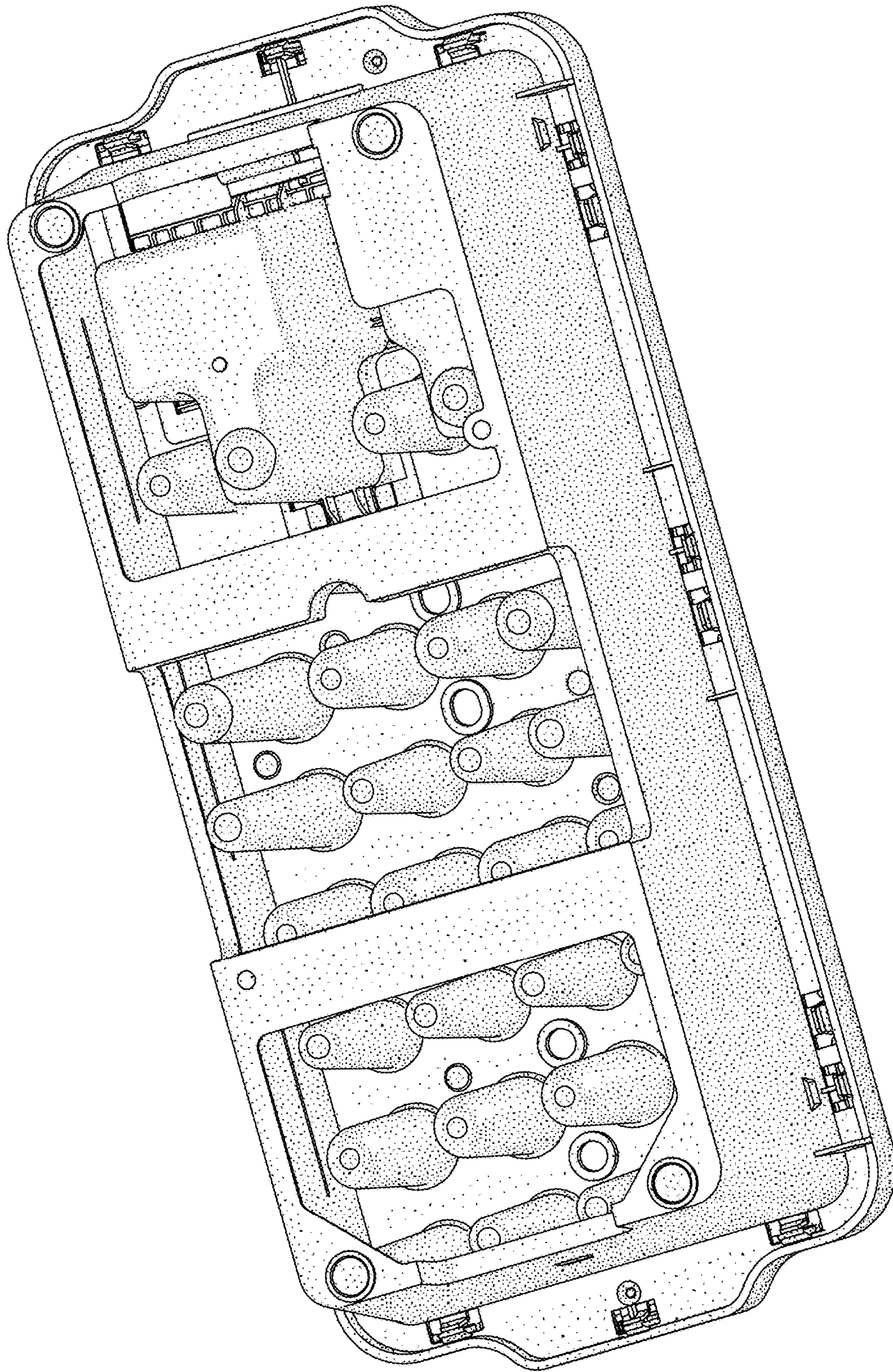


Figure 11