



US00D857229S

(12) **United States Design Patent** (10) **Patent No.:** **US D857,229 S**
Kaplan et al. (45) **Date of Patent:** **** Aug. 20, 2019**

(54) **FLOWCELL CARTRIDGE**

FOREIGN PATENT DOCUMENTS

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

TW

D182357

4/2017

(72) Inventors: **David Elliott Kaplan**, Carlsbad, CA (US); **Ashish Kumar**, San Diego, CA (US); **Anthony John de Ruyter**, San Diego, CA (US); **Lea Sandra Kobeli**, San Francisco, CA (US); **Edward Wilson Licitra**, San Francisco, CA (US)

OTHER PUBLICATIONS

Illumina™ NextSeq™ Flowcell Cartridge figures, dated Jan. 3, 2016, 6 pgs.

U.S. Appl. No. 29/589,645, filed Jan. 3, 2017, Kaplan et al.

U.S. Appl. No. 29/632,284, filed Jan. 5, 2018, Kaplan et al.

* cited by examiner

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

Primary Examiner — Anhdao Doan

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

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

(21) Appl. No.: **29/589,646**

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

(57)

CLAIM

(51) **LOC (12) Cl.** **24-01**

We claim the ornamental design for a flowcell cartridge, as shown and described.

(52) **U.S. Cl.**

USPC **D24/225**

(58) **Field of Classification Search**

USPC D24/216, 223–233, 186, 107; D10/81

CPC B01L 3/5027; B01L 3/502707; B01L 9/52;

B01L 9/523; B01L 9/527; B01L

2300/0609; B01L 2300/0809; B01L

2300/0877; B01L 2200/027

See application file for complete search history.

DESCRIPTION

FIG. 1 is a top view of a flowcell cartridge.

FIG. 2 is a bottom view of the flowcell cartridge.

FIG. 3 is a left side view of the flowcell cartridge.

FIG. 4 is a right side view of the flowcell cartridge.

FIG. 5 is a front view of the flowcell cartridge.

FIG. 6 is a rear view of the flowcell cartridge.

FIG. 7 is an isometric view of the flowcell cartridge; and,

FIG. 8 is an isometric view of the bottom of the flowcell cartridge.

The dash-dot-dash lines represent the bounds of the claim; the regular dash-dash lines depicting the rectangular panel illustrate unclaimed subject matter; and all other broken lines represent environmental subject matter. None of the broken lines form part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D633,209 S * 2/2011 Boessneck D24/169

D668,350 S * 10/2012 Rowley D24/225

D734,482 S * 7/2015 Peterman D24/216

D787,700 S * 5/2017 Dunaway D24/225

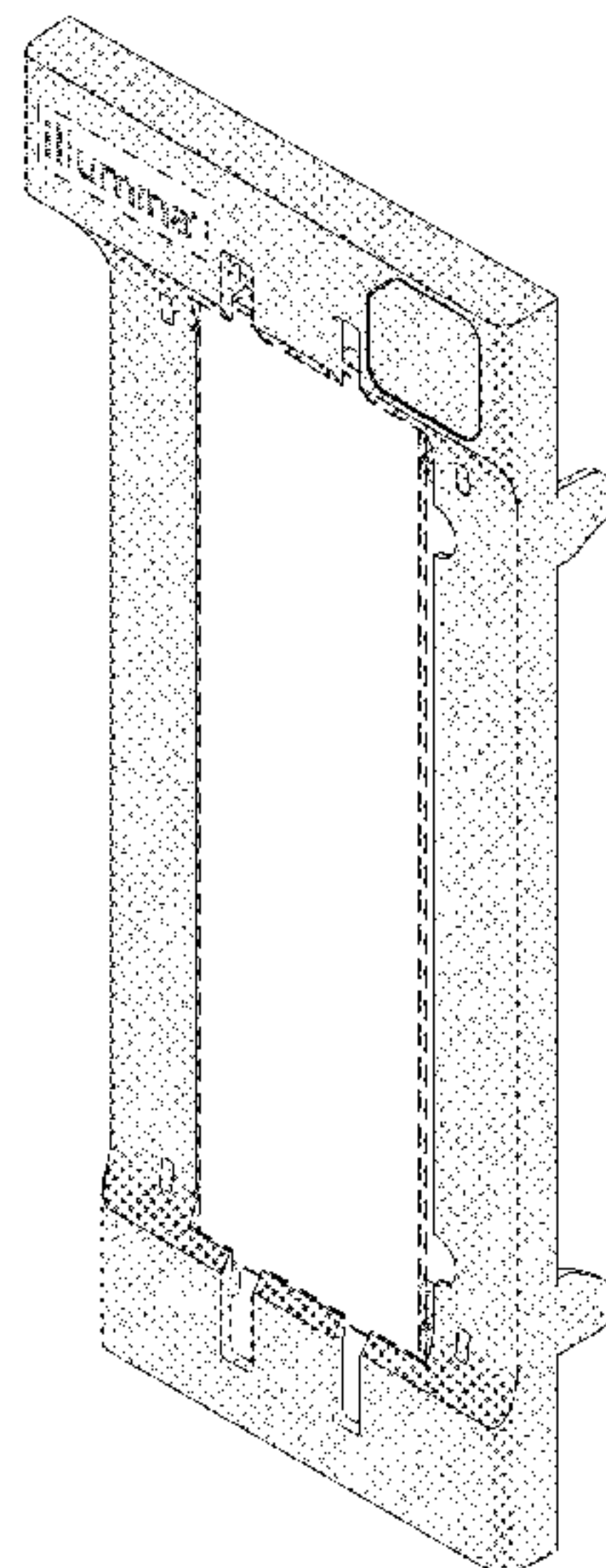
D812,767 S * 3/2018 Osmus D24/225

D831,224 S * 10/2018 Hsu D24/225

2016/0281150 A1 * 9/2016 Rawlings C12Q 1/6837

2018/0304260 A1 * 10/2018 Thomas B01L 3/502723

1 Claim, 8 Drawing Sheets



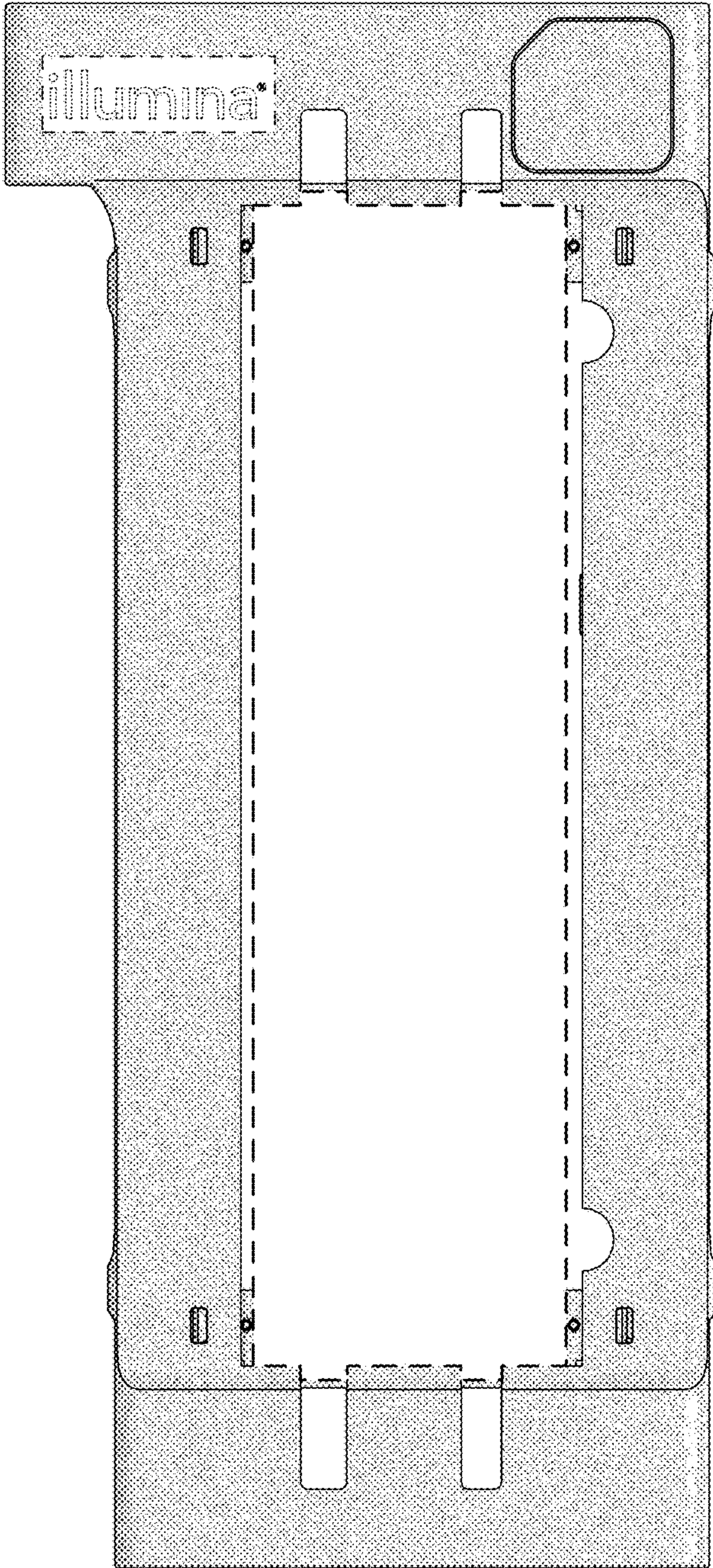


Figure 1

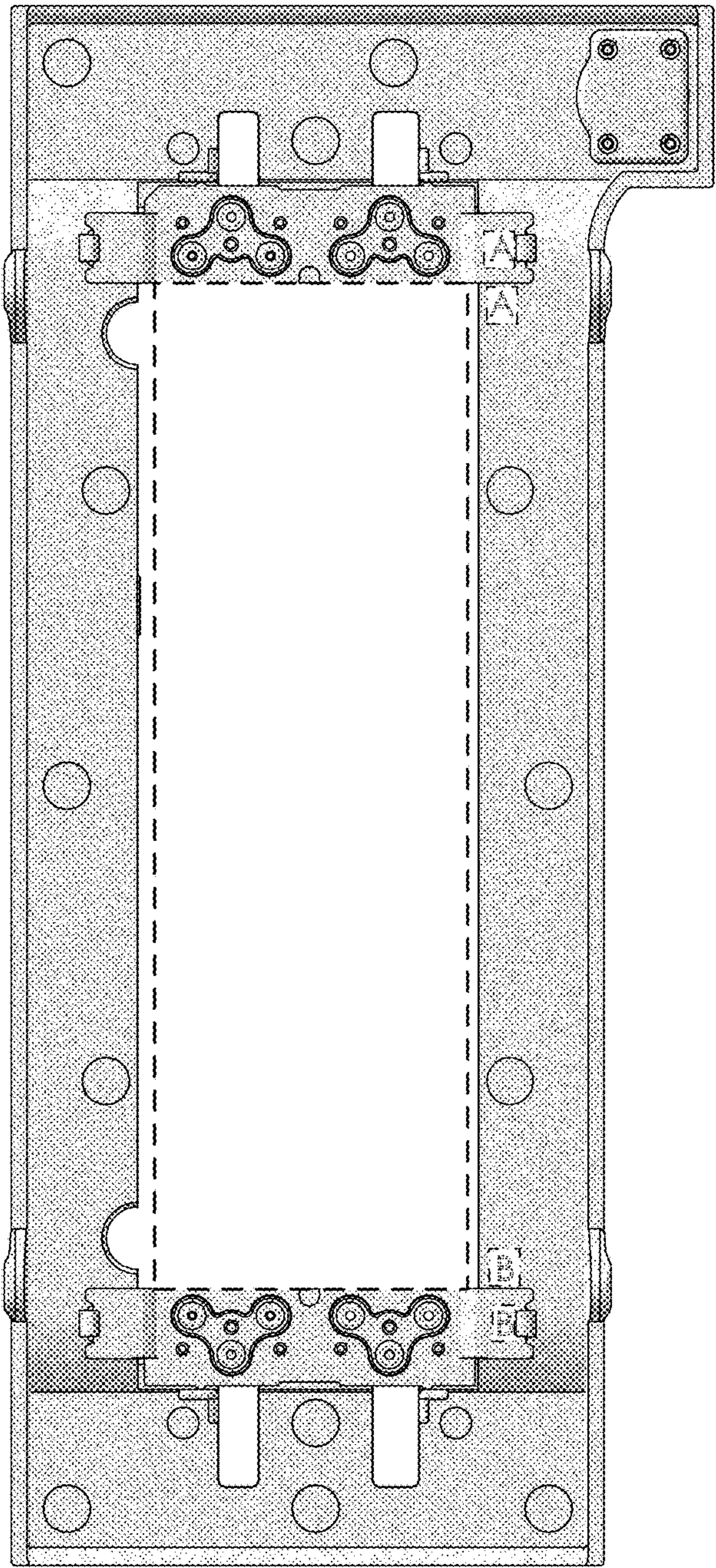


Figure 2

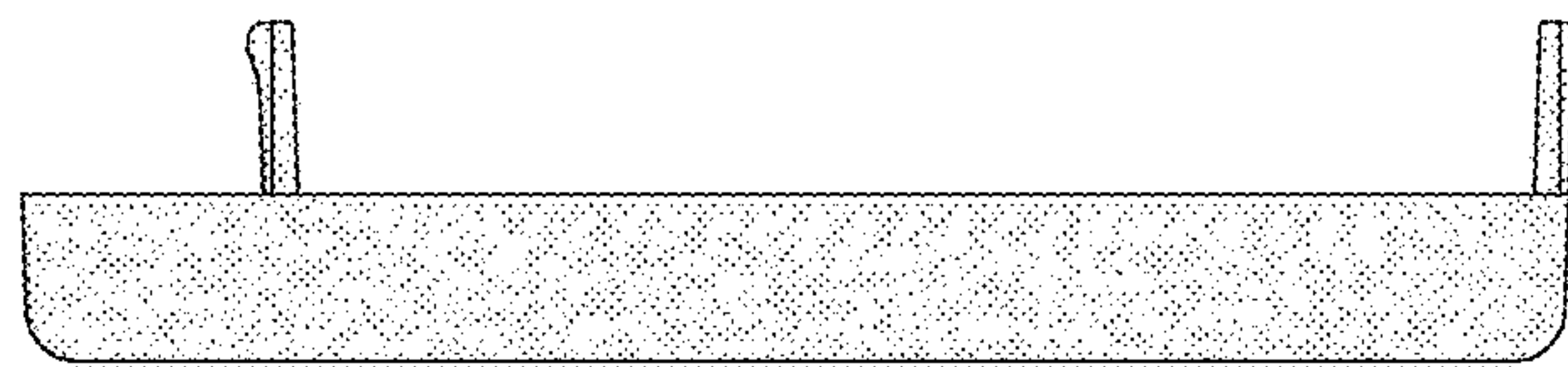


Figure 3

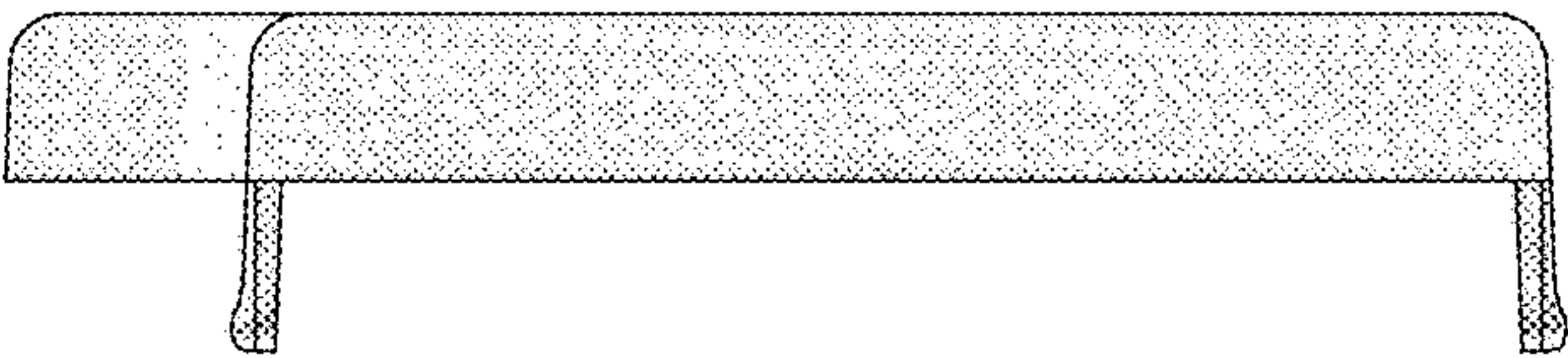


Figure 4

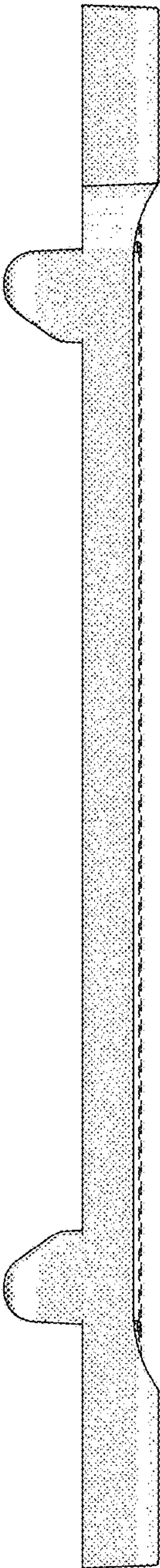


Figure 5

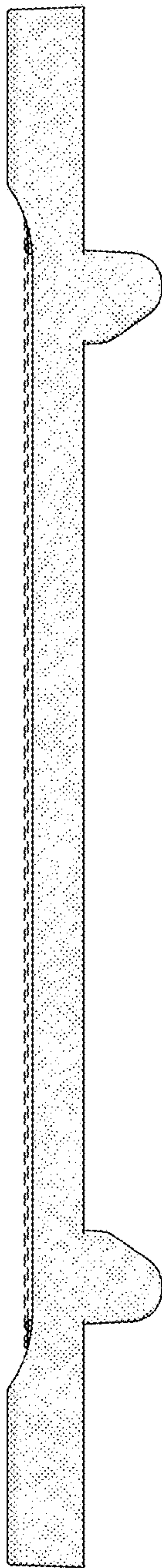


Figure 6

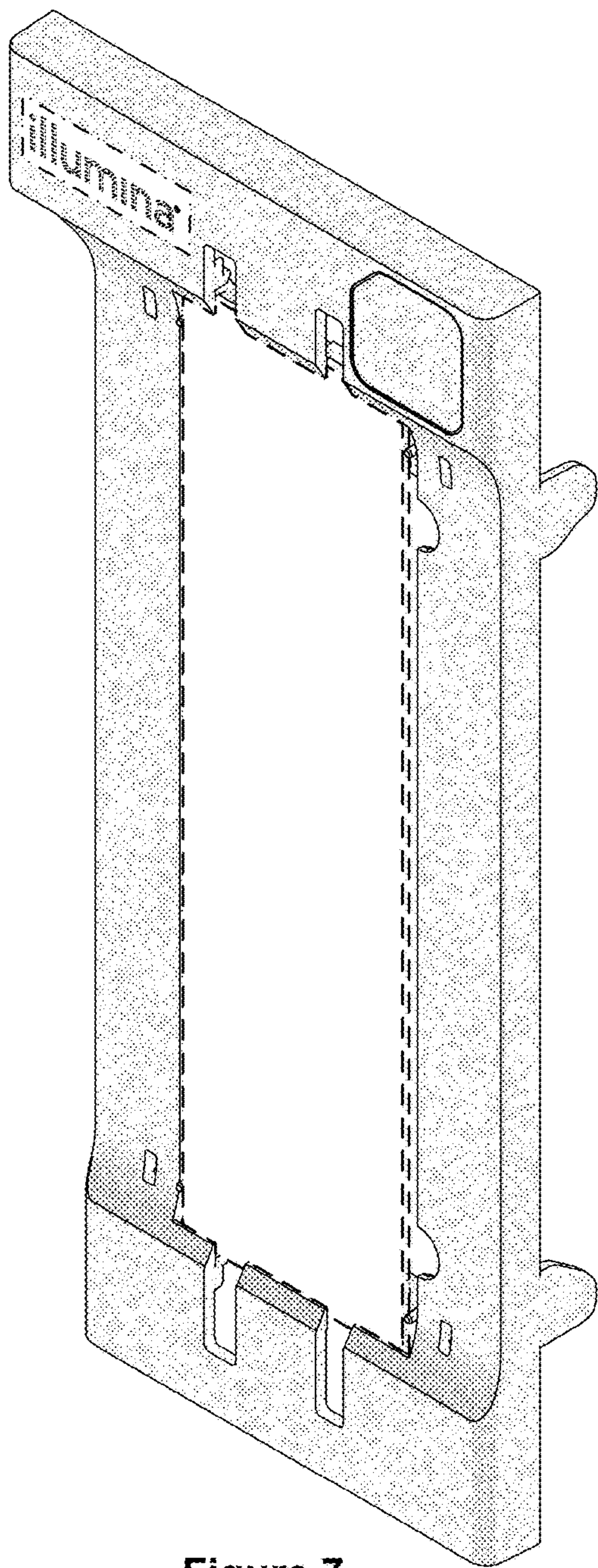


Figure 7

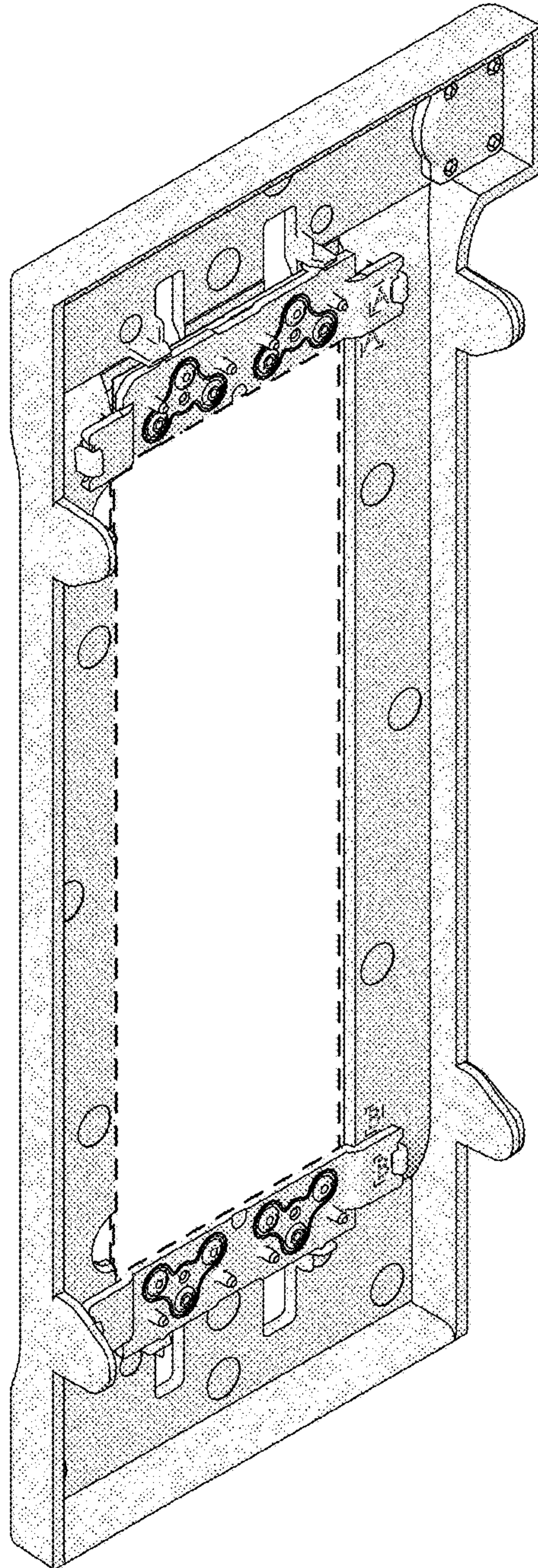


Figure 8