



US00D883978S

(12) **United States Design Patent** (10) **Patent No.:** **US D883,978 S**
Okajima et al. (45) **Date of Patent:** **** May 12, 2020**

(54) **DATA COMMUNICATION DEVICE**

(71) Applicant: **CKD CORPORATION**, Komaki-shi,
Aichi (JP)

(72) Inventors: **Naoki Okajima**, Komaki (JP); **Hiroaki Banno**, Komaki (JP); **Sho Honda**,
Komaki (JP); **Atsushi Fukuta**, Komaki
(JP); **Mitsuhiro Kosugi**, Komaki (JP);
Hisashi Hatano, Komaki (JP)

(73) Assignee: **CKD CORPORATION**, Aichi (JP)

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

(21) Appl. No.: **29/648,854**

(22) Filed: **May 24, 2018**

(30) **Foreign Application Priority Data**

Nov. 28, 2017 (JP) 2017-026380

(51) **LOC (12) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/358**

(58) **Field of Classification Search**
USPC D13/146, 147, 151, 154, 159, 182, 184,
D13/199; D14/299, 300, 348, 356, 433,
D14/438, 439, 474, 480.1, 483, 484.1,
D14/489, 490, 492, 496, 511, 358;
D15/138

CPC G08C 15/00; H04B 1/38; H04B 1/3827;
H04W 72/02; H04W 88/02; H04W 92/18

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D562,247 S * 2/2008 Matsuzaki D13/147
D562,248 S * 2/2008 Howerton D13/147
D562,249 S * 2/2008 Howerton D13/147

D563,881 S * 3/2008 Howerton D13/147
D563,882 S * 3/2008 Howerton D13/147
D669,073 S * 10/2012 Wu D14/240
D725,098 S * 3/2015 Neumann D10/78
D725,099 S * 3/2015 Neumann D10/78
D751,987 S * 3/2016 Ravi D13/123
D753,796 S * 4/2016 Suematsu D23/233
D753,797 S * 4/2016 Suematsu D23/233
D753,798 S * 4/2016 Suematsu D23/233
D780,295 S * 2/2017 Fujita D23/233
D782,612 S * 3/2017 Fujita D23/233
D798,822 S * 10/2017 Jiang D13/147
D802,582 S * 11/2017 Krivonak D14/308
D809,492 S * 2/2018 Moon D14/240

(Continued)

Primary Examiner — Michael C Stout

Assistant Examiner — Fritzgerald L Butac

(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(57) **CLAIM**

The ornamental design for a data communication device, as shown and described.

DESCRIPTION

FIG. 1 is a from, top and right side perspective view of a data communication device showing our new design;

FIG. 2 is a rear, top and left side perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a right side view thereof;

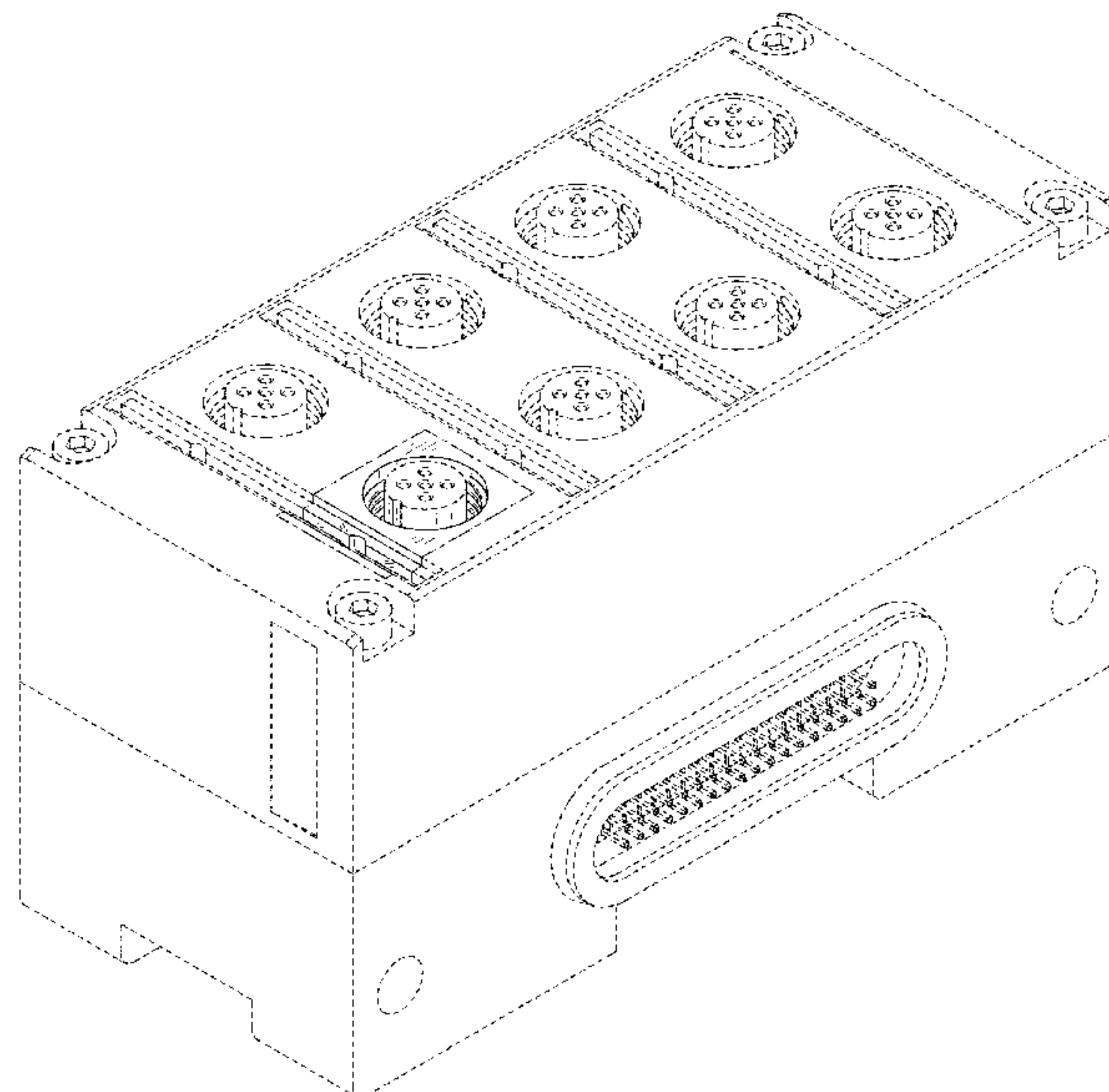
FIG. 6 is an enlarged view showing a portion defined by 6-6 in FIG. 4;

FIG. 7 is a cross-sectional view taken along line 7-7 in FIG. 6; and,

FIG. 8 is a cross-sectional view taken along line 8-8 in FIG. 4.

The broken lines illustrate portions of a data communication device and form no part of the claimed design. The dash-dot lines define the bounds of the claim and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D810,078 S	*	2/2018	Kikuchi	D14/358
D825,472 S	*	8/2018	Yamanaka	D13/147
D828,838 S	*	9/2018	Morris	D14/433
D837,017 S	*	1/2019	Miller	D8/74
2018/0055172 A1	*	3/2018	Shuto	H04B 1/38

* cited by examiner

FIG.1

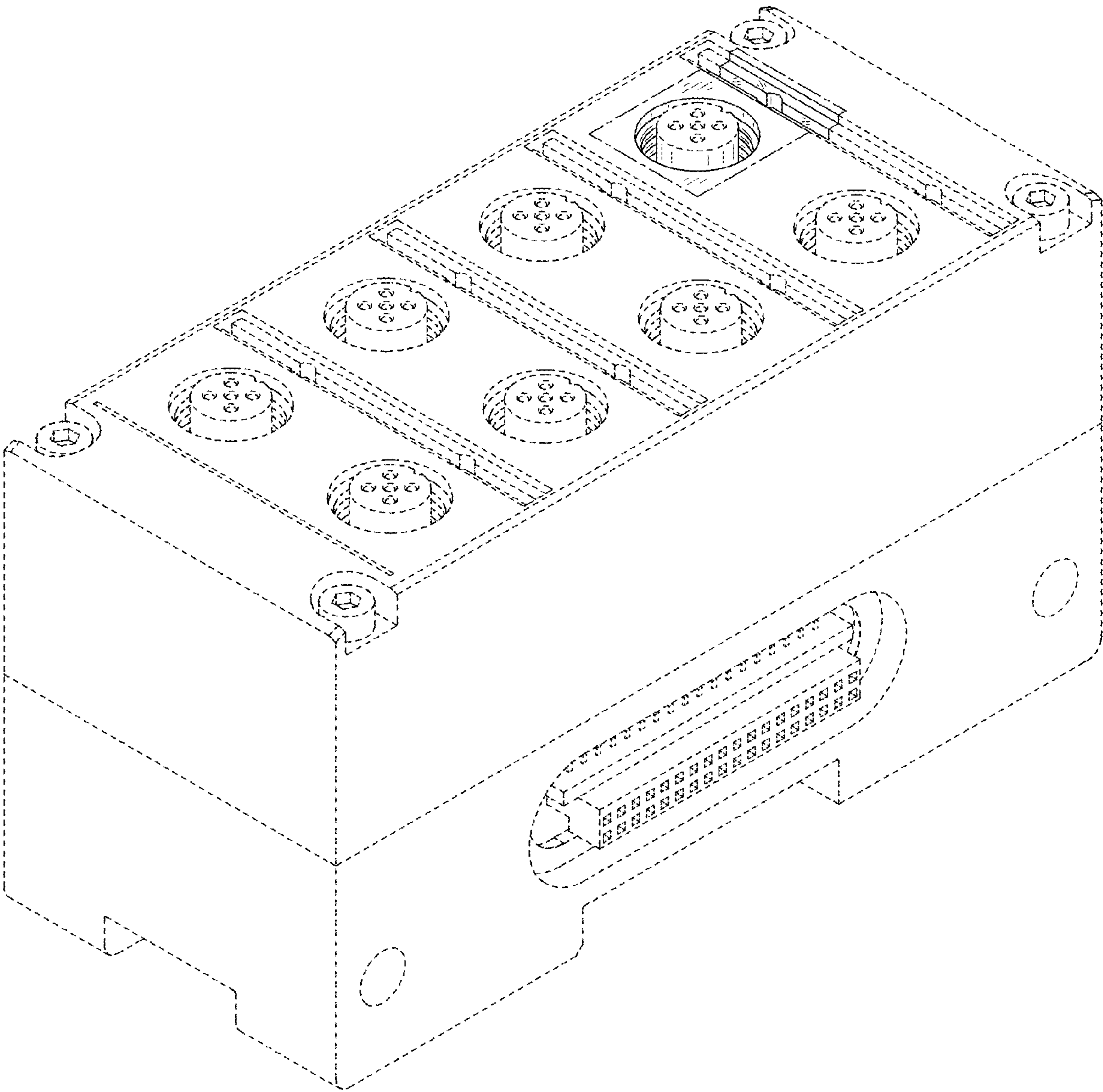


FIG.2

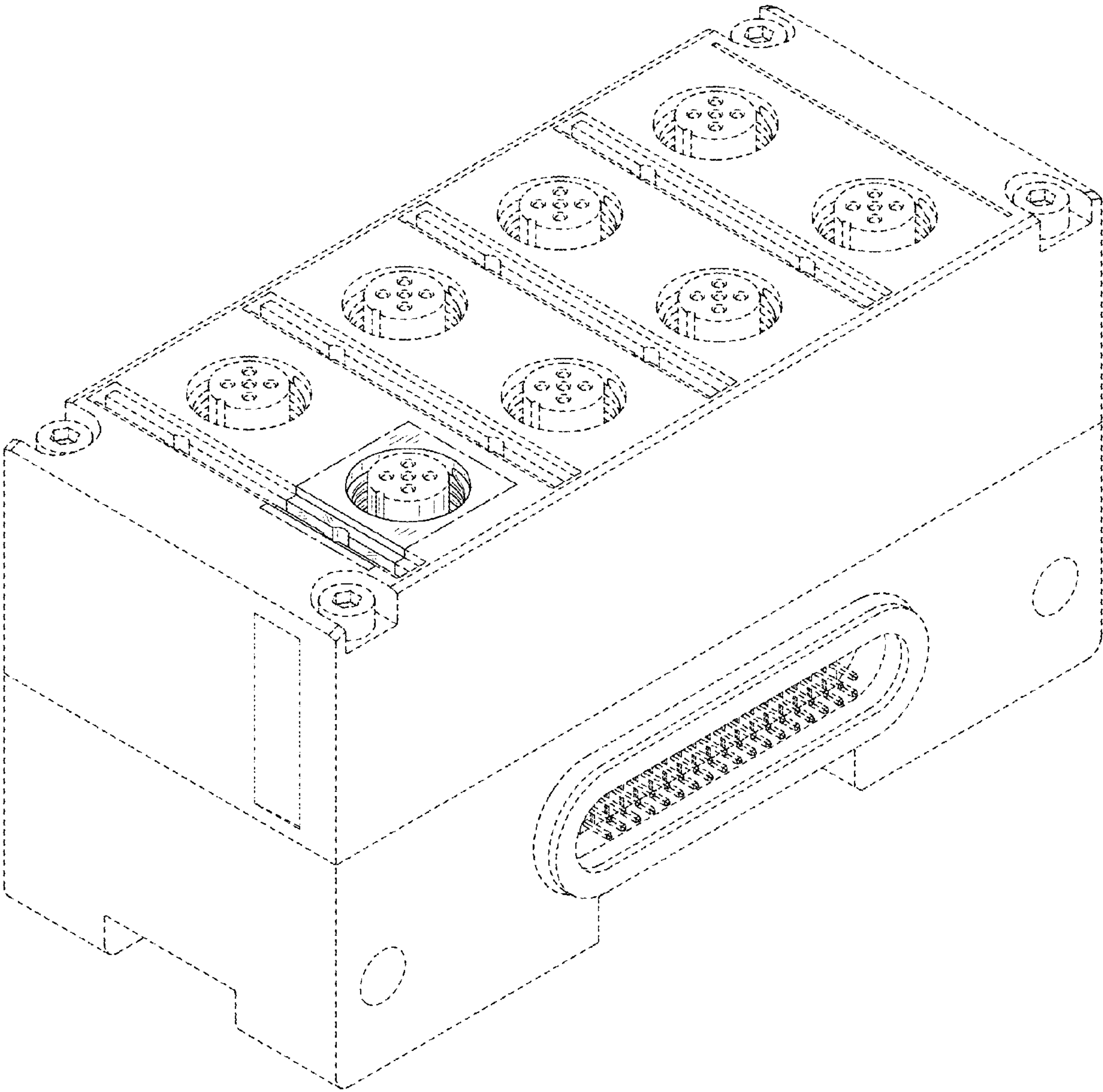


FIG.3

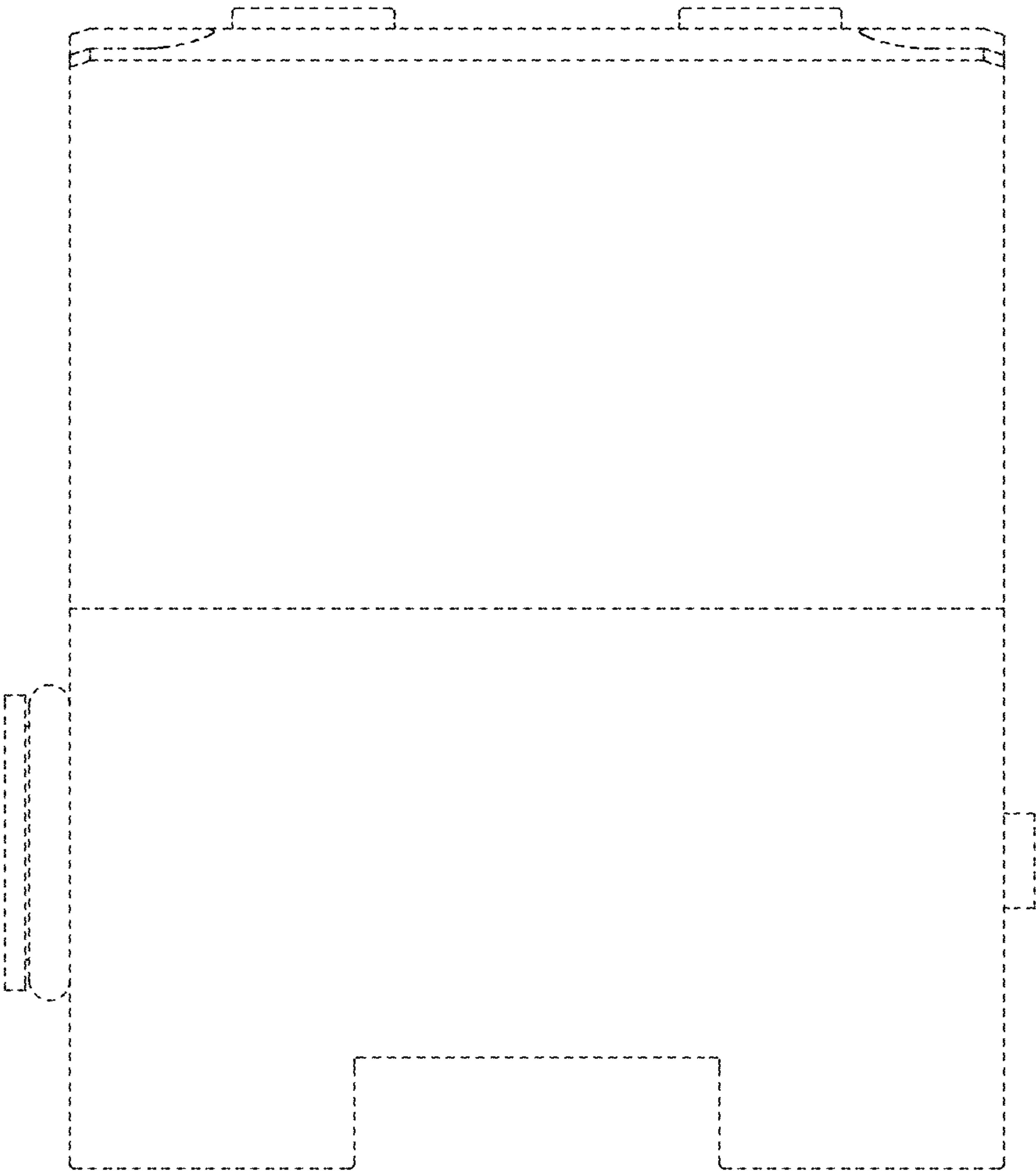


FIG.4

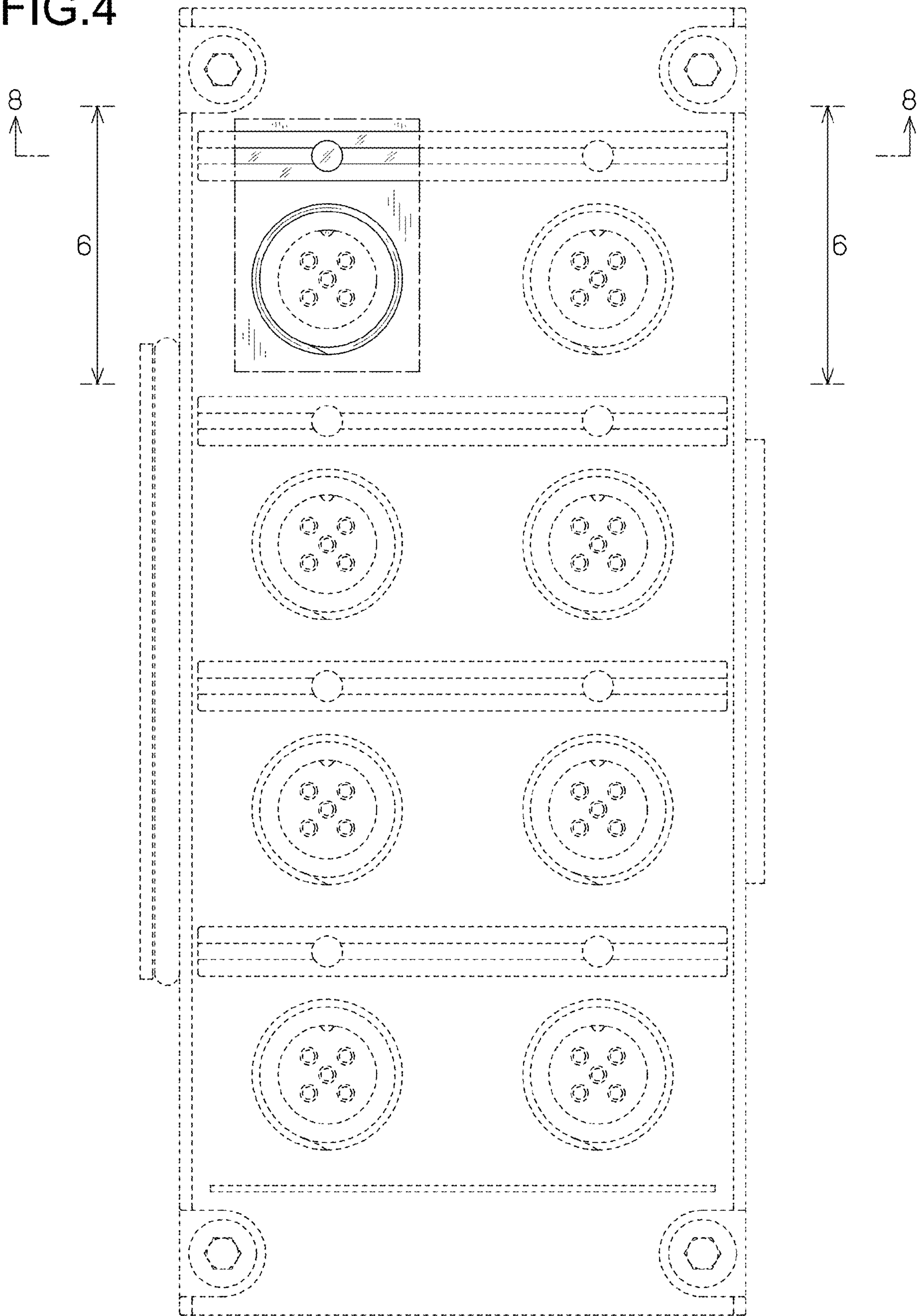


FIG.5

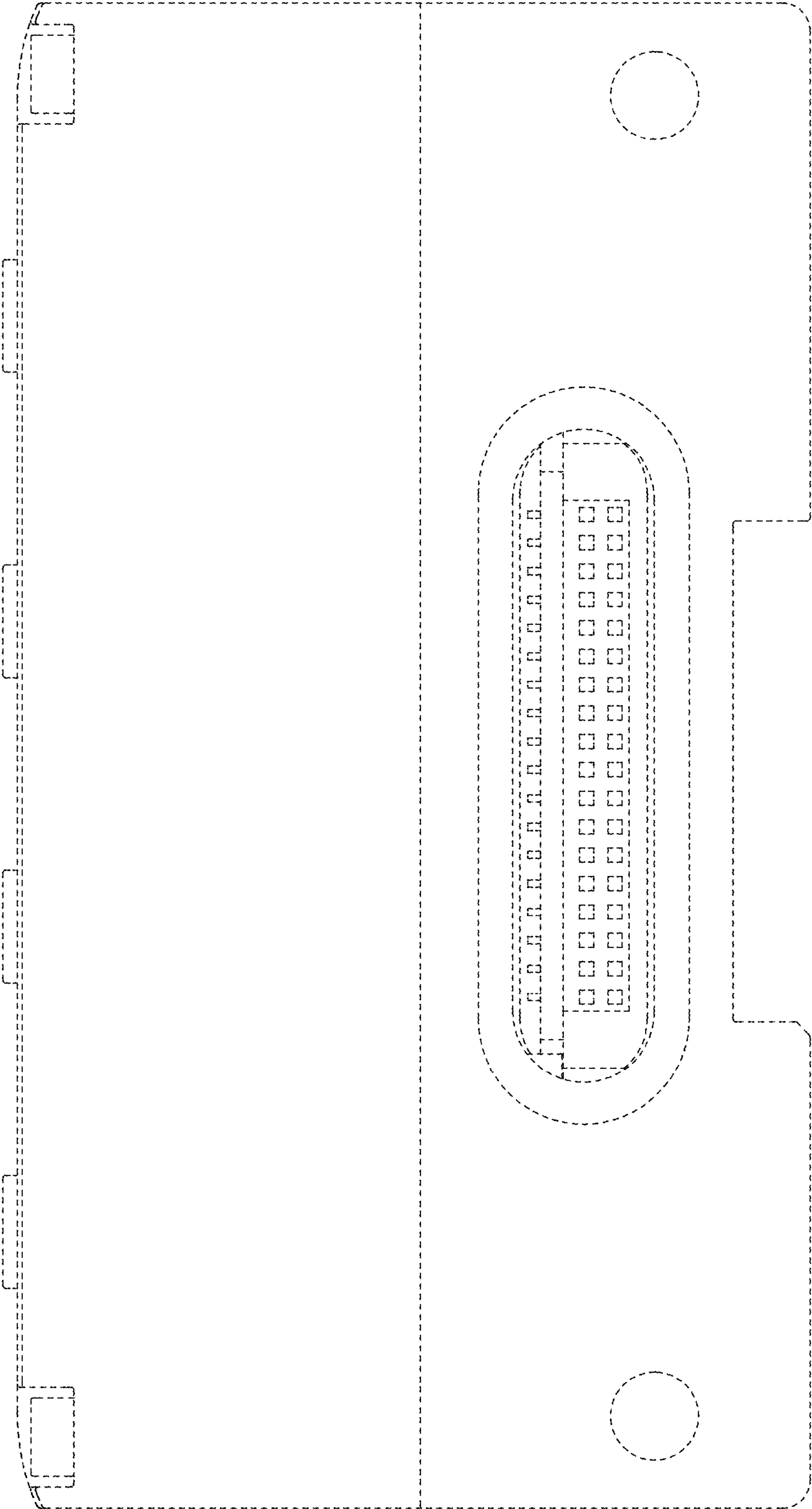


FIG.6

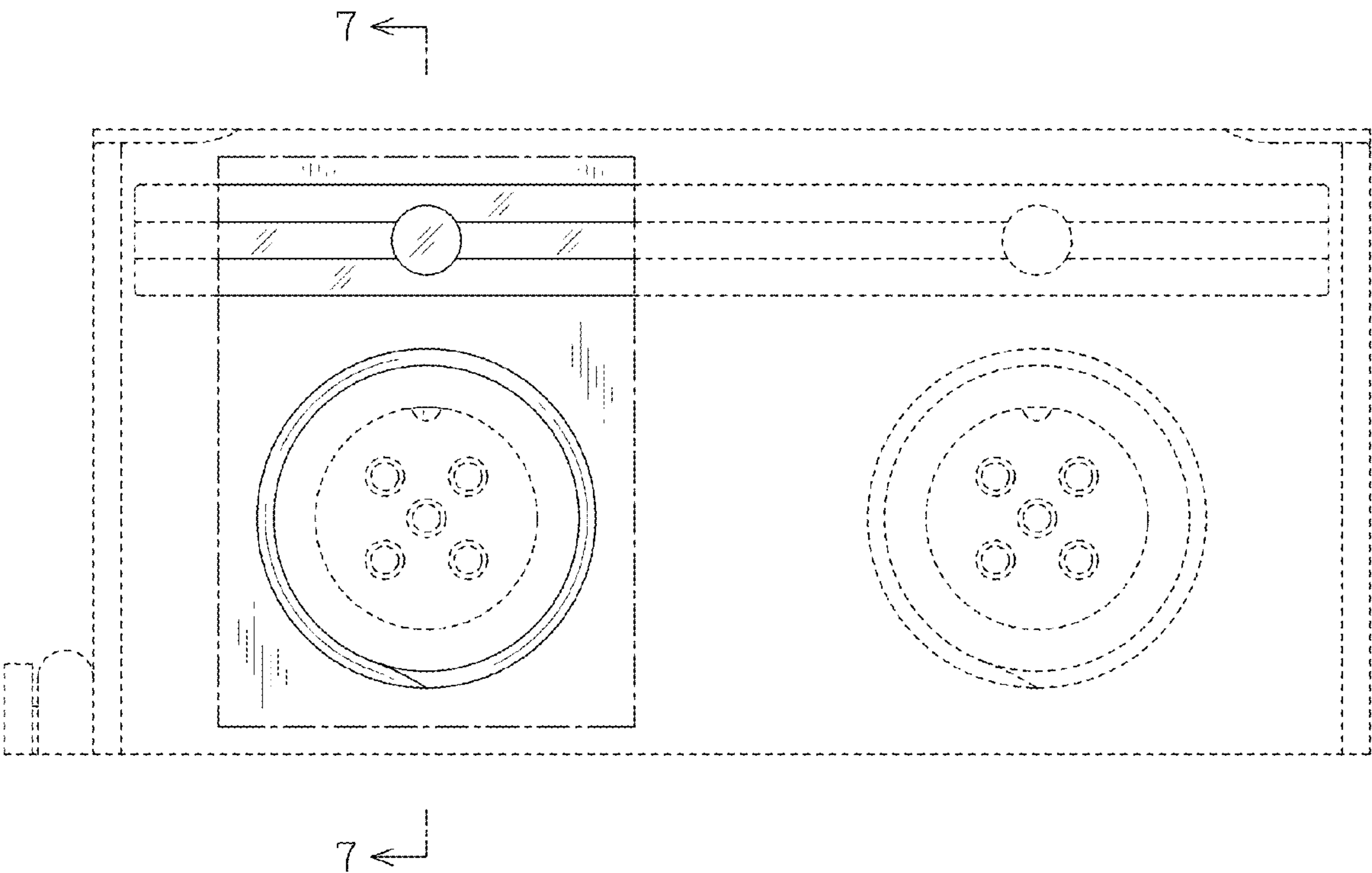


FIG.7

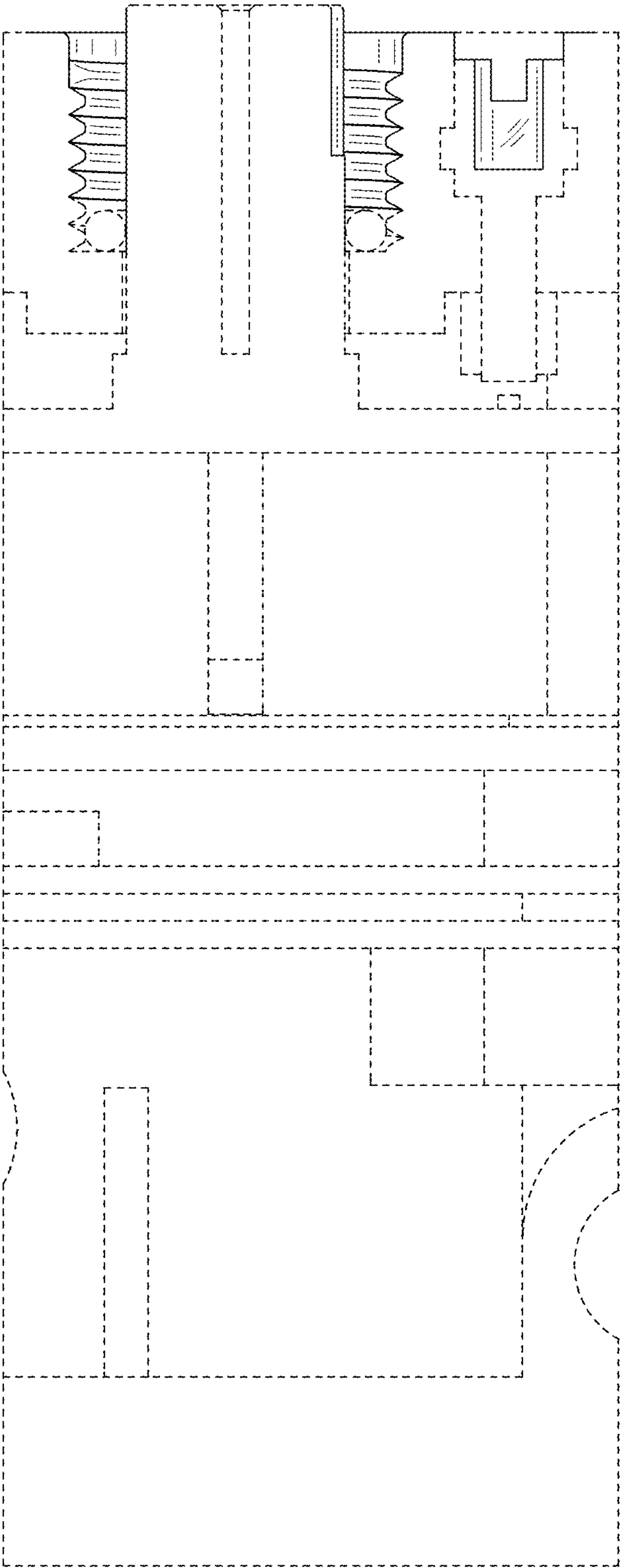


FIG.8

