US00D913828S

(12) United States Design Patent

Kurisaki et al.

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(45) Date of Patent: ** Mar. 23, 2021

(54) **FLOW SENSOR**

(71) Applicant: **SMC CORPORATION**, Tokyo (JP)

(72) Inventors: **Shogo Kurisaki**, Yashio (JP); **Suguru Terada**, Tsukuba (JP)

(73) Assignee: **SMC CORPORATION**, Tokyo (JP)

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

(21) Appl. No.: **29/692,886**

(22) Filed: **May 29, 2019**

(30) **Foreign Application Priority Data**

Nov. 30, 2018 (CN) 201830688826.0

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/96**; D23/235

(58) **Field of Classification Search**
USPC D10/96; D23/233, 235
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D602,795 S 10/2009 Oshima
D609,591 S * 2/2010 Oshima D10/96
(Continued)

FOREIGN PATENT DOCUMENTS

JP 1353444 S 3/2009
JP 1445992 S 7/2012
JP 1528334 S 7/2015

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**

The ornamental design for a flow sensor, as shown and described.

DESCRIPTION

FIG. **1** is a front, top and left side perspective view of a flow sensor showing a first embodiment of our new design;
FIG. **2** is a rear, bottom and right side perspective view thereof;
FIG. **3** is a front view thereof;
FIG. **4** is a rear view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof;
FIG. **7** is a left side view thereof;
FIG. **8** is a right side view thereof;
FIG. **9** is a front, top and left side perspective view of a flow sensor showing a second embodiment of our new design;
FIG. **10** is a rear, bottom and right side perspective view of FIG. **9**;
FIG. **11** is a front view of FIG. **9**;
FIG. **12** is a rear view of FIG. **9**;
FIG. **13** is a top plan view of FIG. **9**;
FIG. **14** is a bottom plan view of FIG. **9**;
FIG. **15** is a left side view of FIG. **9**;
FIG. **16** is a right side view of FIG. **9**;
FIG. **17** is a front, top and left side perspective view of a flow sensor showing a third embodiment of our new design;
FIG. **18** is a rear, bottom and right side perspective view of FIG. **17**;
FIG. **19** is a front view of FIG. **17**;
FIG. **20** is a rear view of FIG. **17**;
FIG. **21** is a top plan view of FIG. **17**;
FIG. **22** is a bottom plan view of FIG. **17**;
FIG. **23** is a left side view of FIG. **17**;
FIG. **24** is a right side view of FIG. **17**;
FIG. **25** is a front, top and left side perspective view of a flow sensor showing a fourth embodiment of our new design;
FIG. **26** is a rear, bottom and right side perspective view of FIG. **25**;
FIG. **27** is a front view of FIG. **25**;
FIG. **28** is a rear view of FIG. **25**;
FIG. **29** is a top plan view of FIG. **25**;
FIG. **30** is a bottom plan view of FIG. **25**;
FIG. **31** is a left side view of FIG. **25**;
FIG. **32** is a right side view of FIG. **25**;
FIG. **33** is a front, top and left side perspective view of a flow sensor showing a fifth embodiment of our new design;
(Continued)

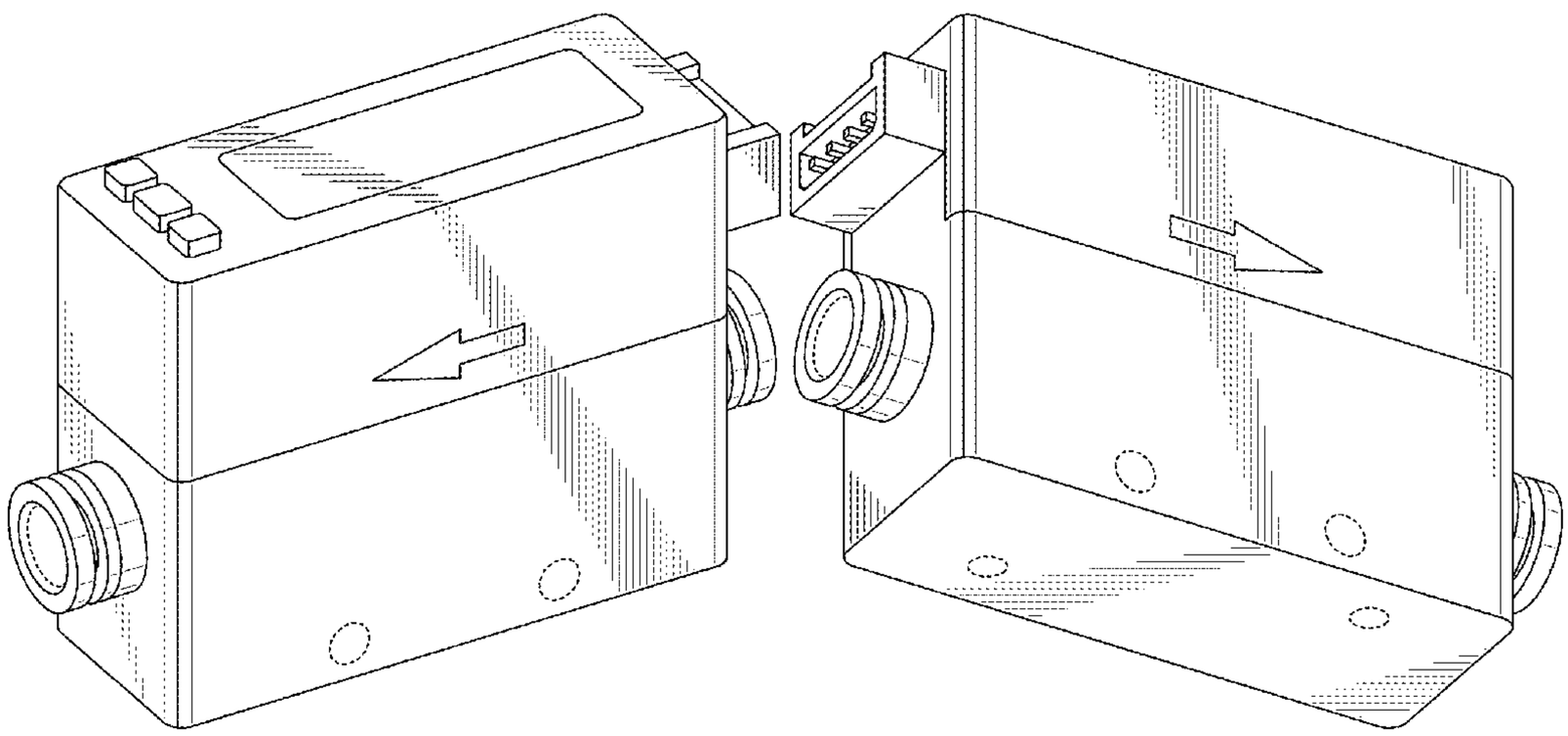


FIG. **34** is a rear, bottom and right side perspective view of FIG. **33**;
FIG. **35** is a front view of FIG. **33**;
FIG. **36** is a rear view of FIG. **33**;
FIG. **37** is a top plan view of FIG. **33**;
FIG. **38** is a bottom plan view of FIG. **33**;
FIG. **39** is a left side view of FIG. **33**; and,
FIG. **40** is a right side view of FIG. **33**.
The broken lines depict portions of the flow sensor that form no part of the claimed design.

1 Claim, 40 Drawing Sheets

(58) **Field of Classification Search**
CPC G01F 1/40; G01F 1/42; G01F 1/44; G01F 1/46; G01F 1/74; G01F 11/003; G01F 11/006; G01F 15/12; G01F 15/18; G01F 15/00; G01F 3/00; G01F 3/02; G01F 3/04; G01F 3/06; G01F 3/065; G01F 3/08; G01F 3/10; G01F 3/12; F15D 1/001; G01N 21/03; G01N 21/05; G01N 2021/0378; G01N 2021/0382; G01N 2021/052; G01N 2021/054; G01N 2021/056; G01N 2021/058
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D681,489	S	*	5/2013	Williamson	D10/99
D828,498	S	*	9/2018	Doi	D23/233
D828,499	S	*	9/2018	Doi	D23/233
D850,583	S	*	6/2019	Uehara	D23/233

* cited by examiner

FIG. 1

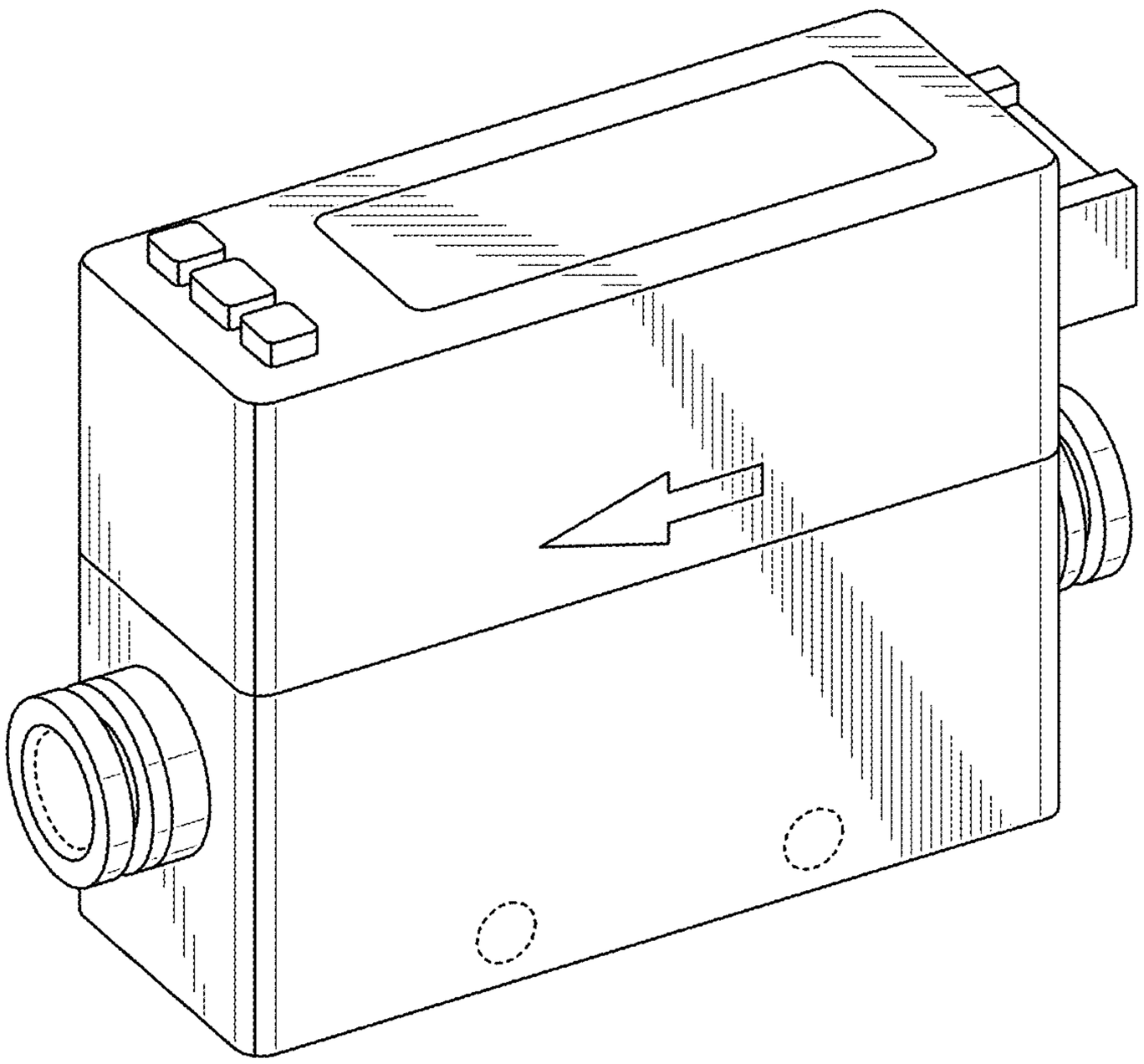


FIG. 2

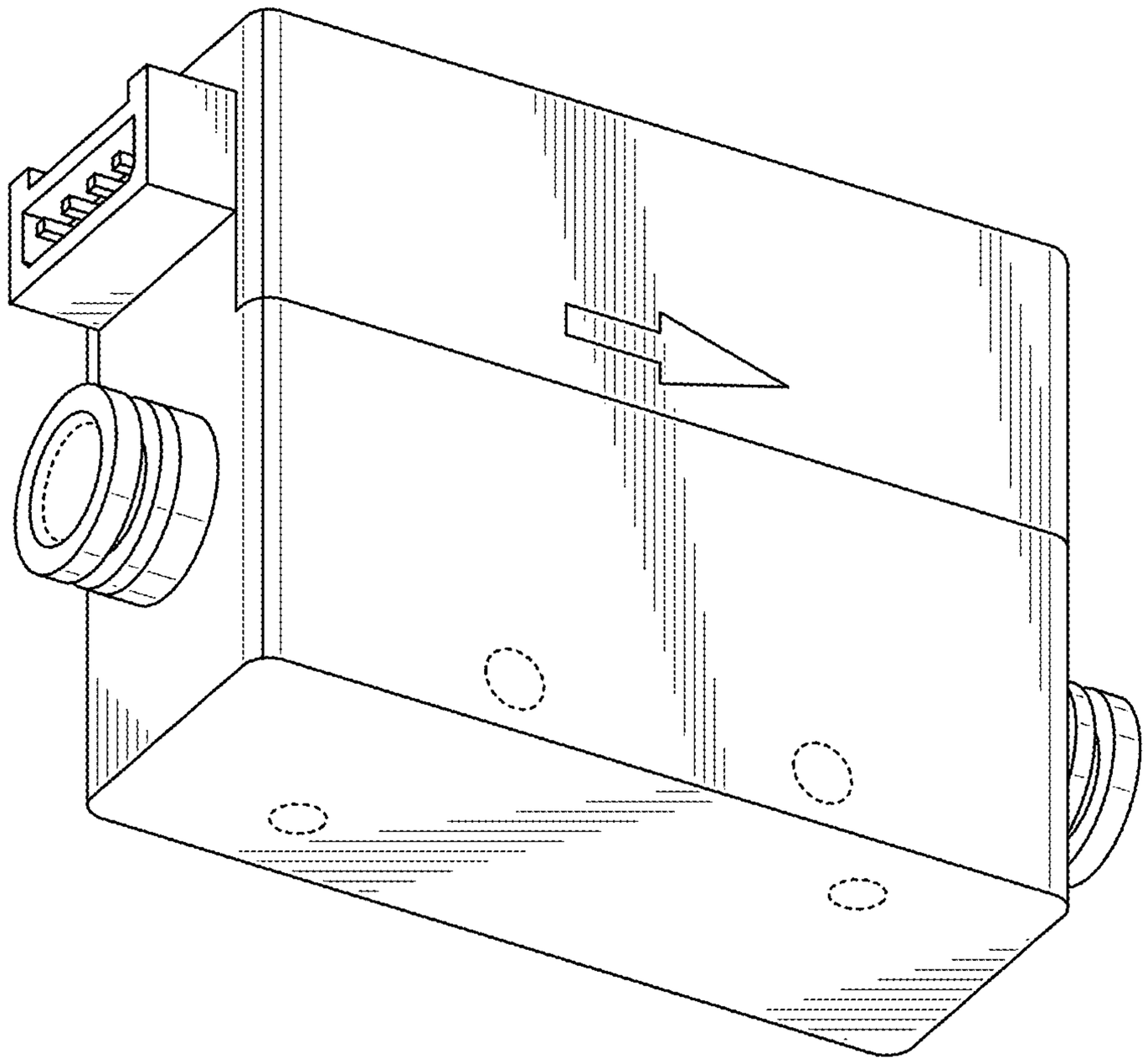


FIG. 3

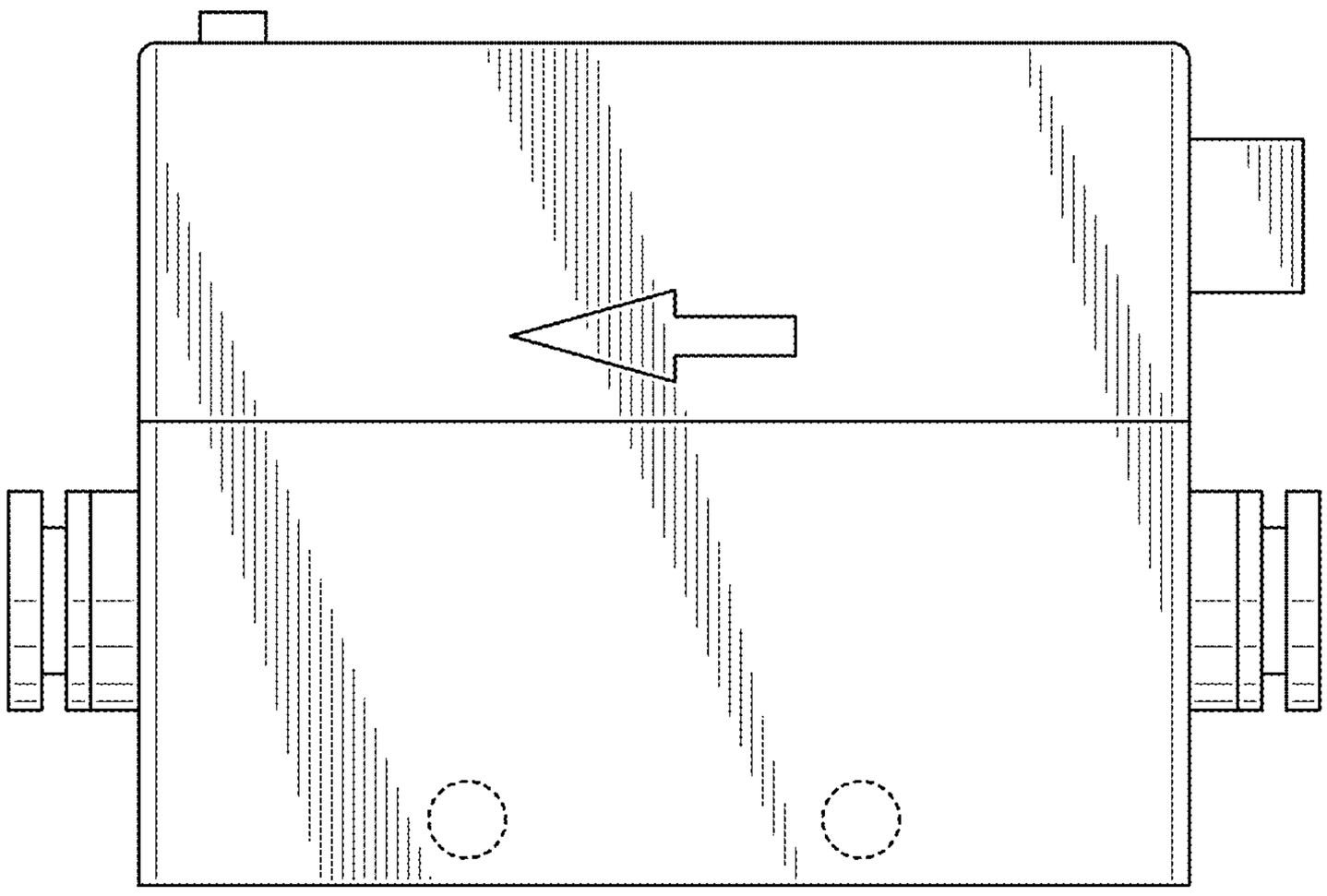


FIG. 4

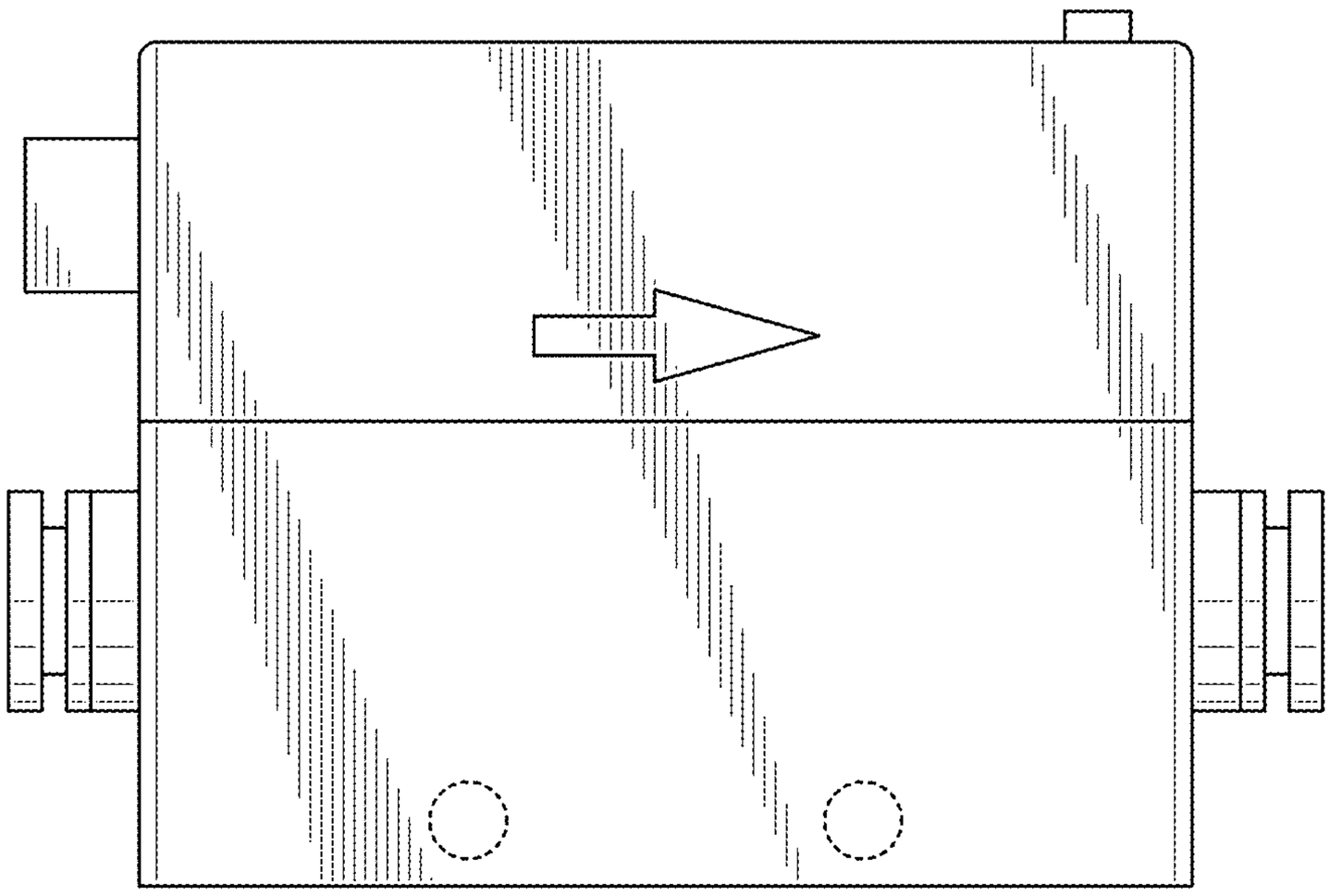


FIG. 5

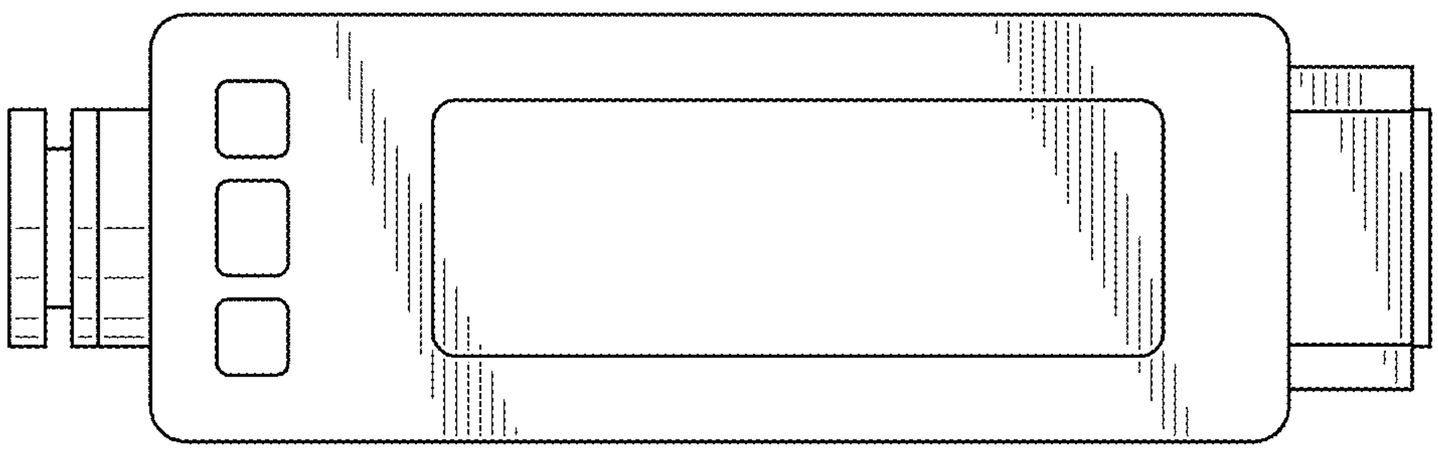


FIG. 6

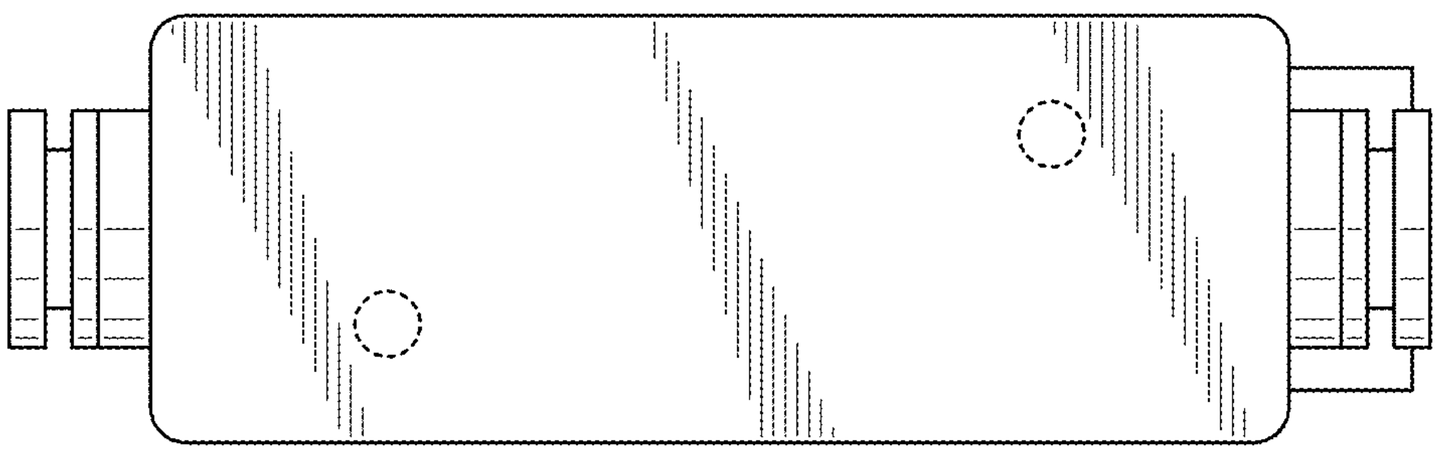


FIG. 7

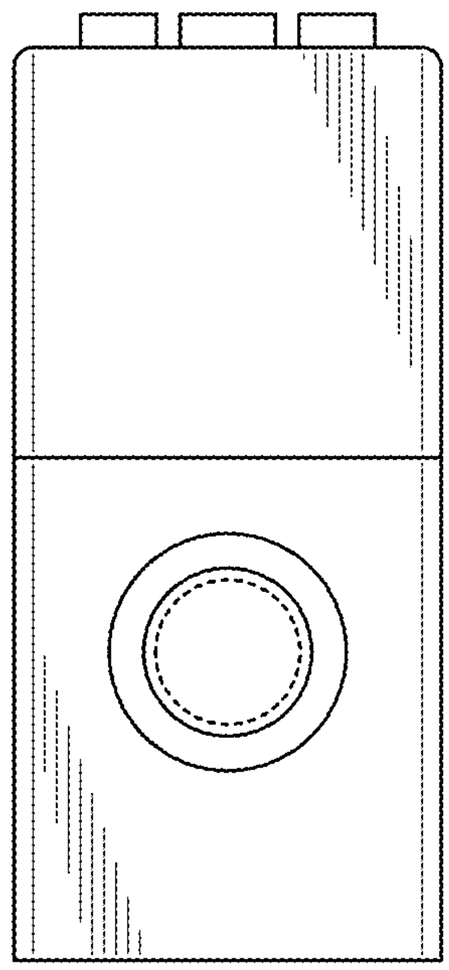


FIG. 8

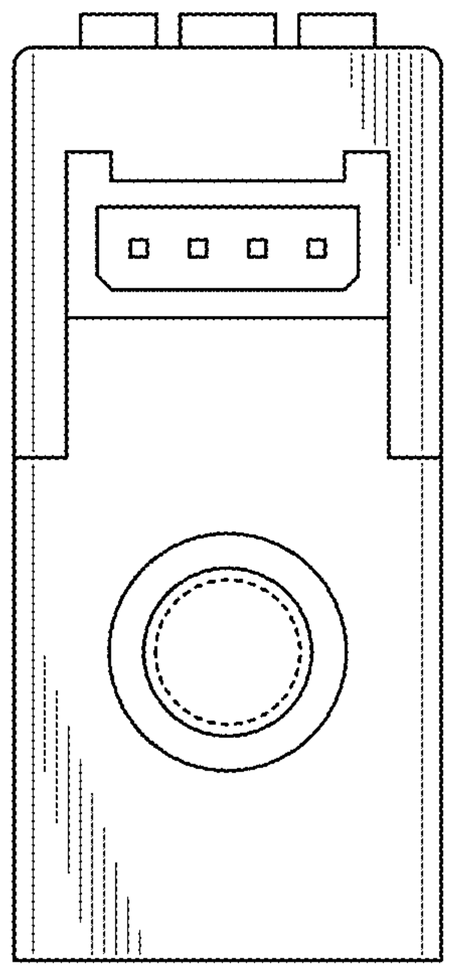


FIG. 9

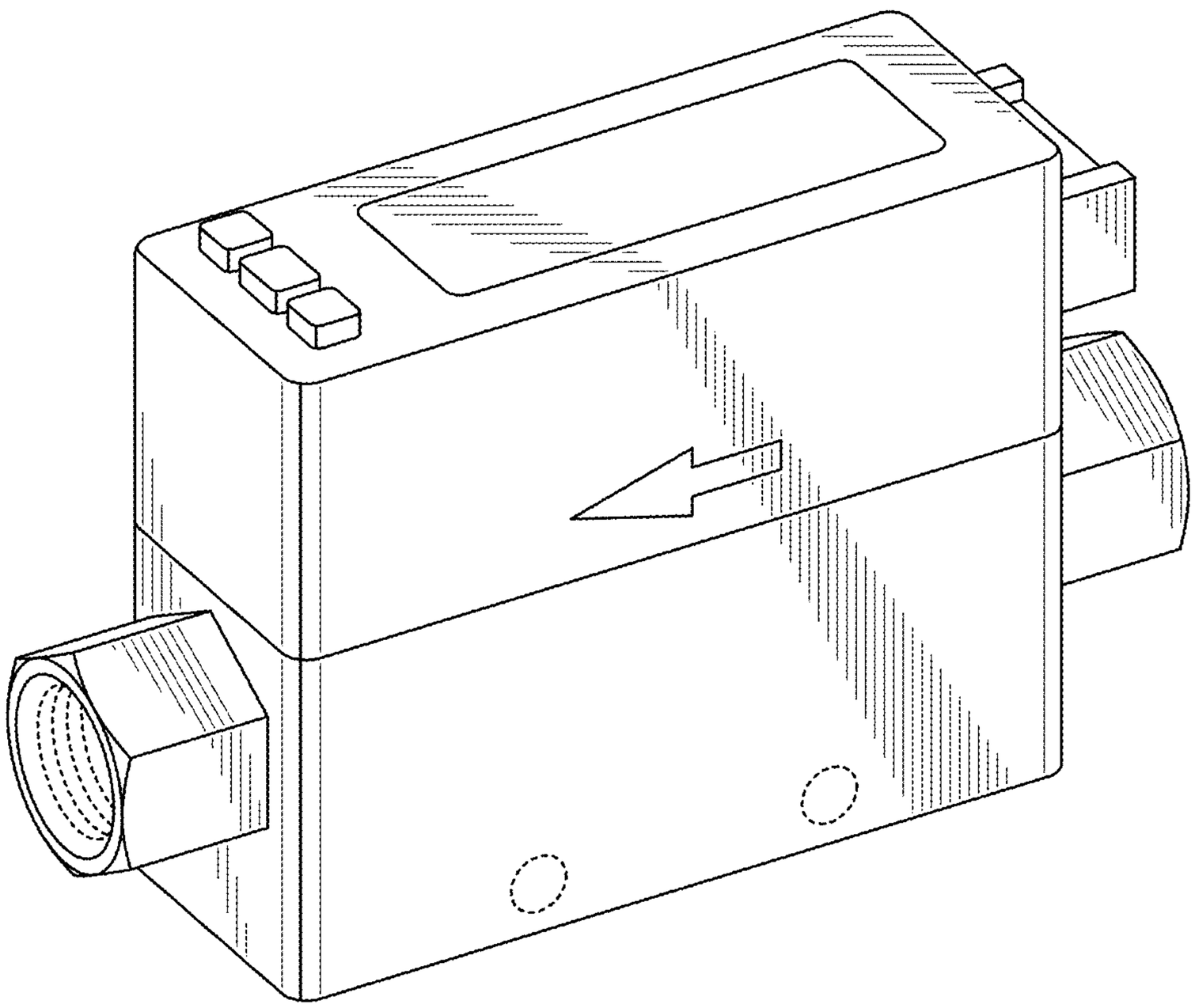


FIG. 10

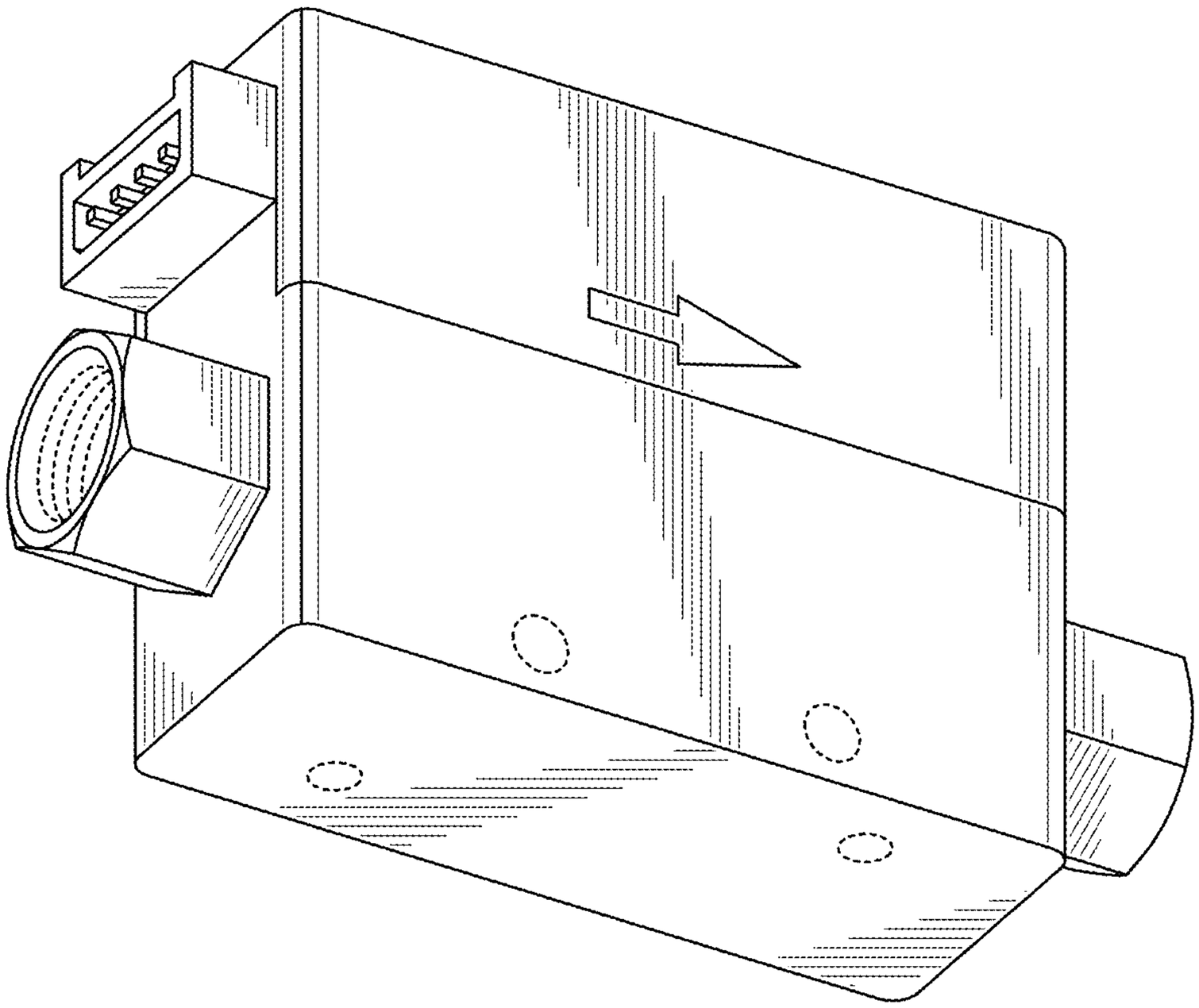


FIG. 11

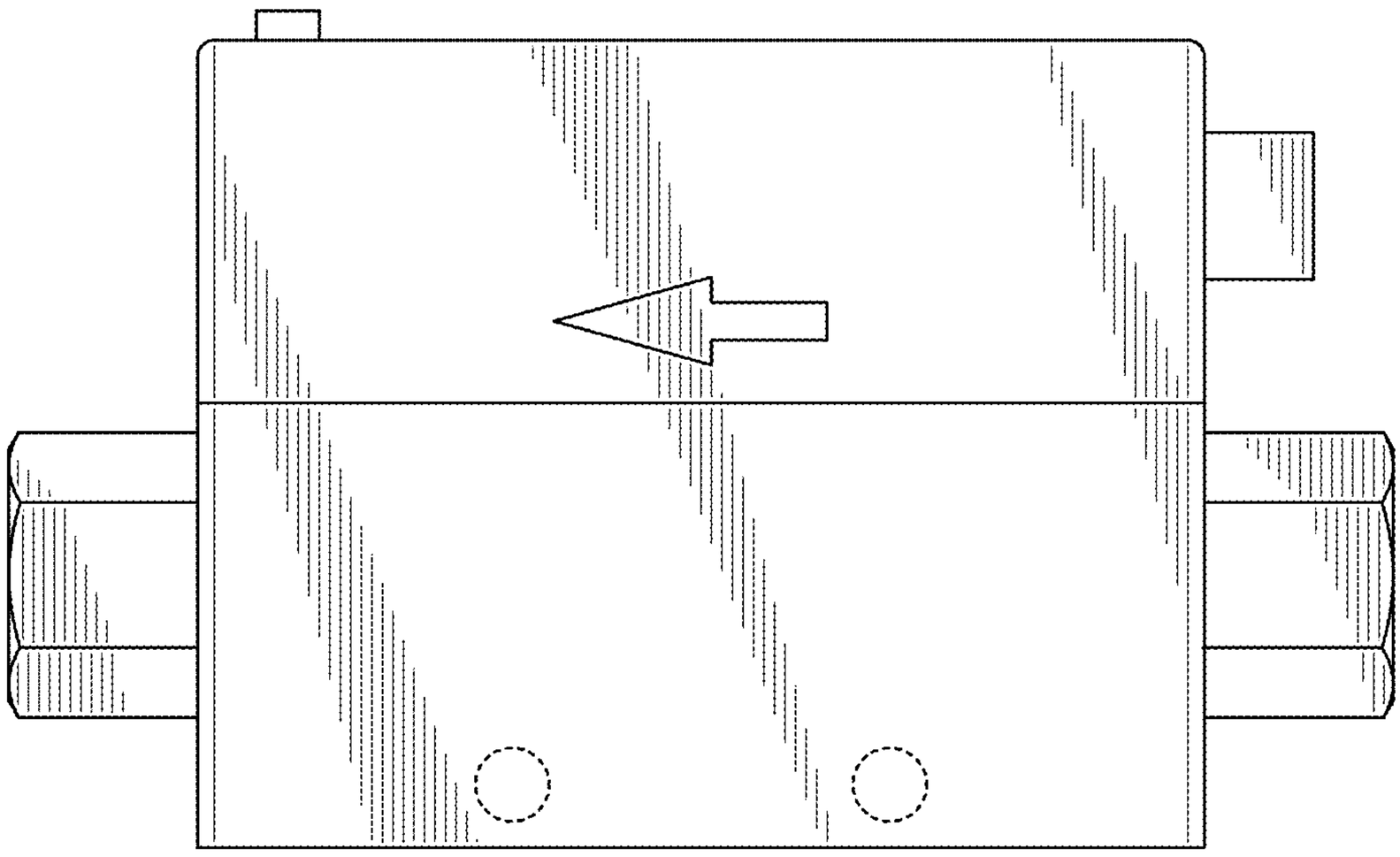


FIG. 12

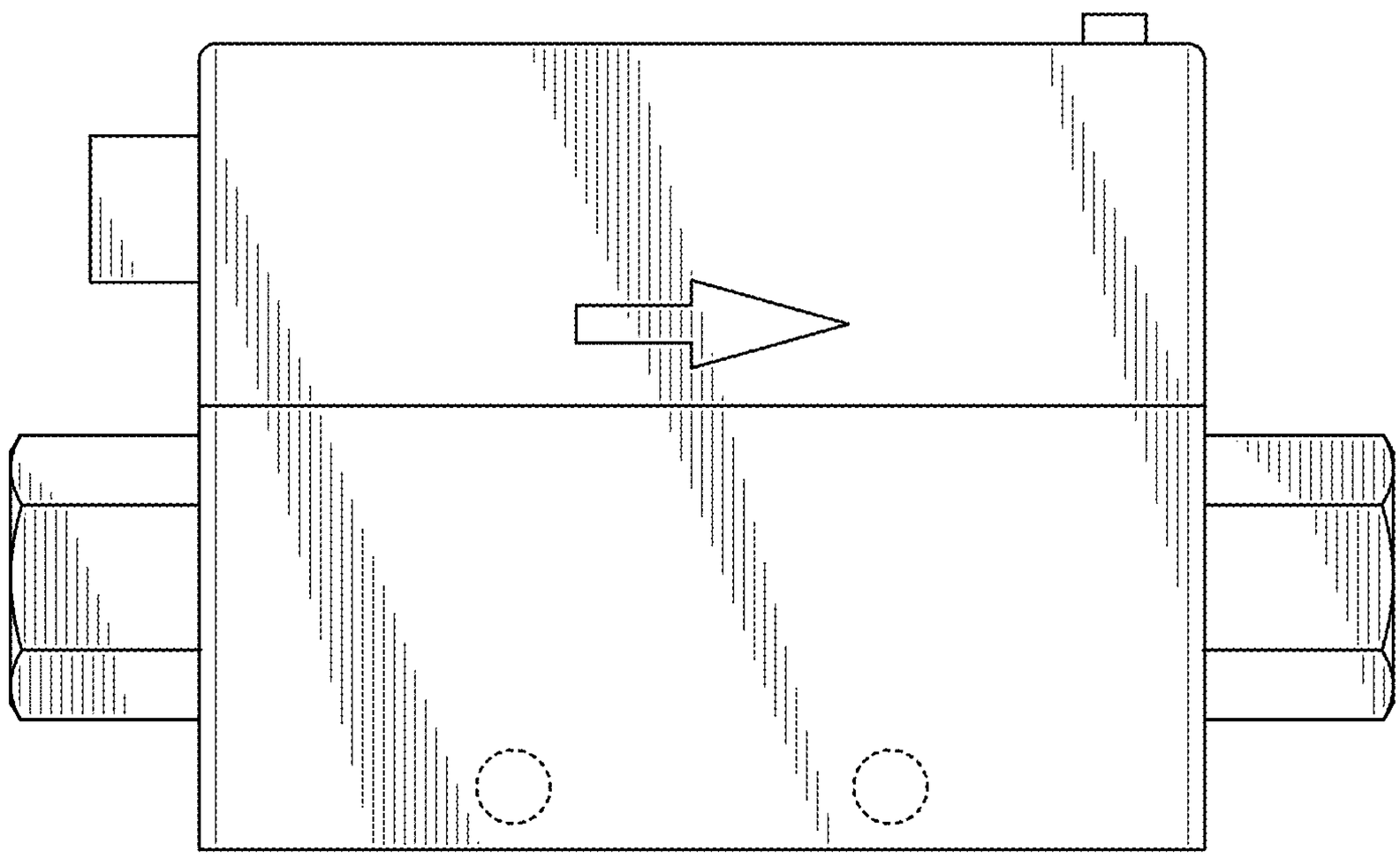


FIG. 13

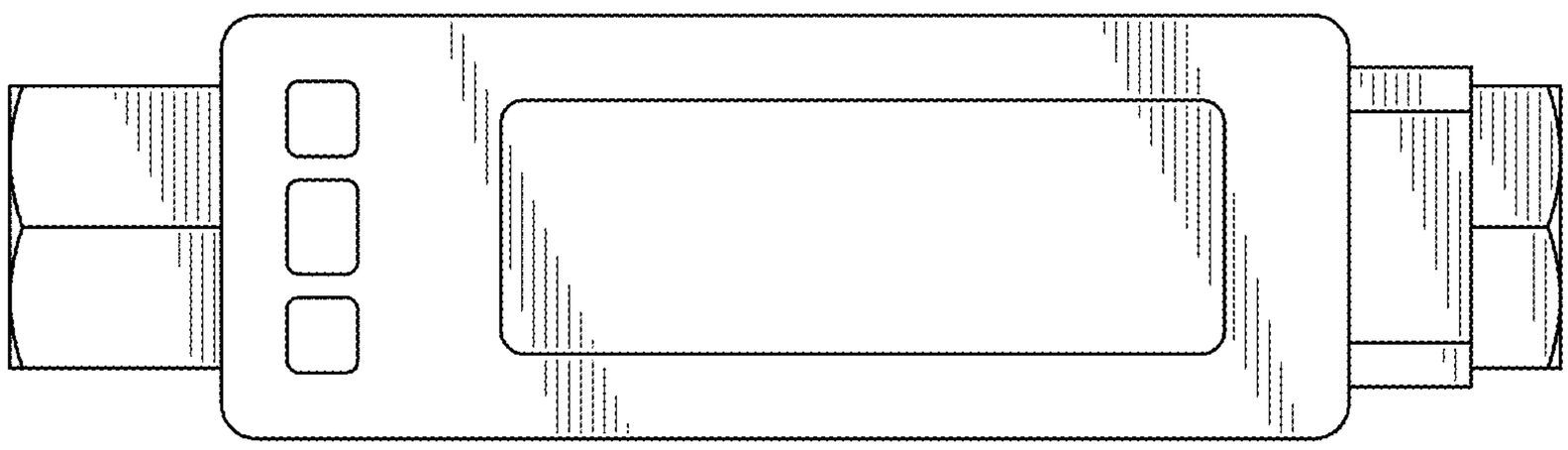


FIG. 14

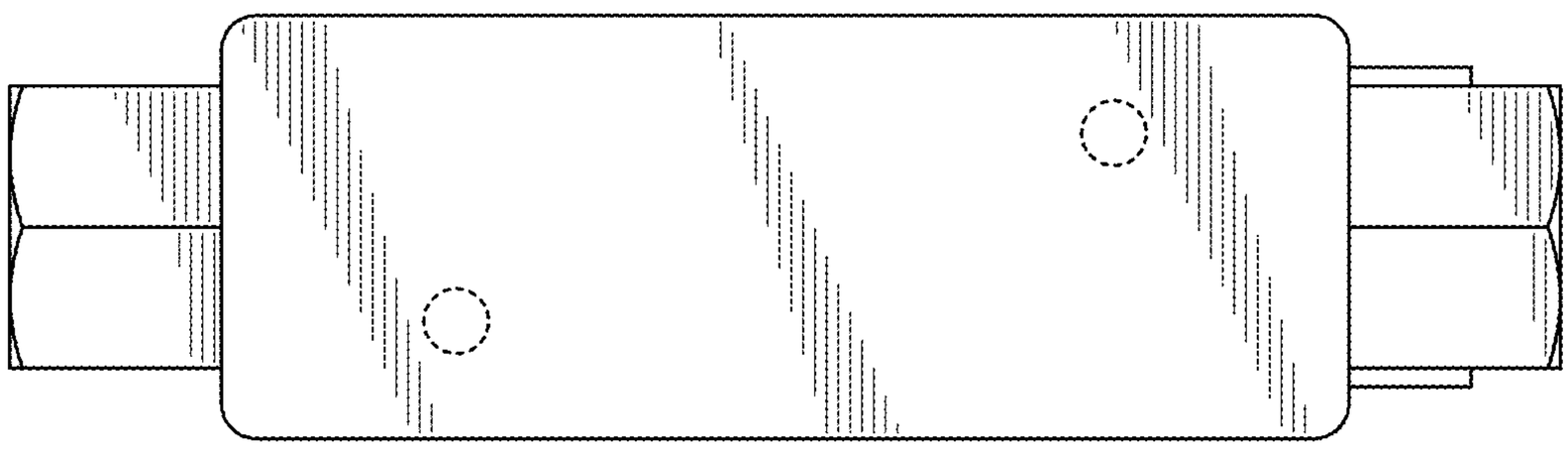


FIG. 15

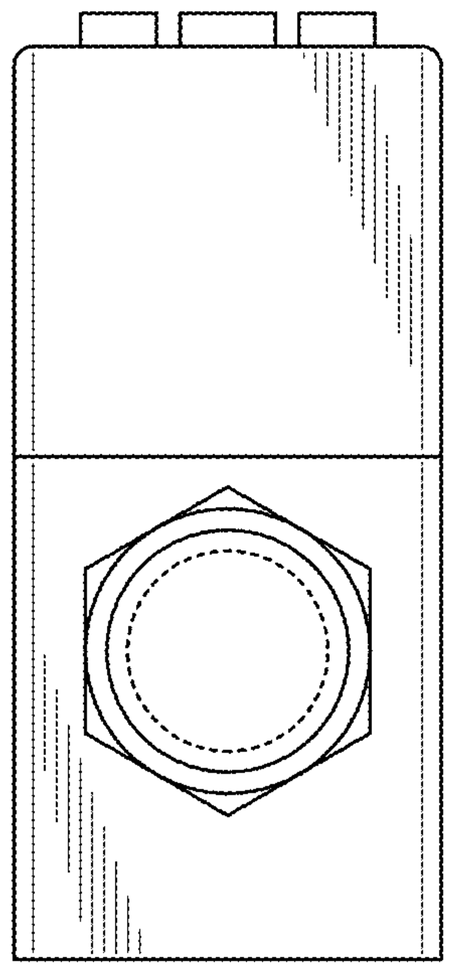


FIG. 16

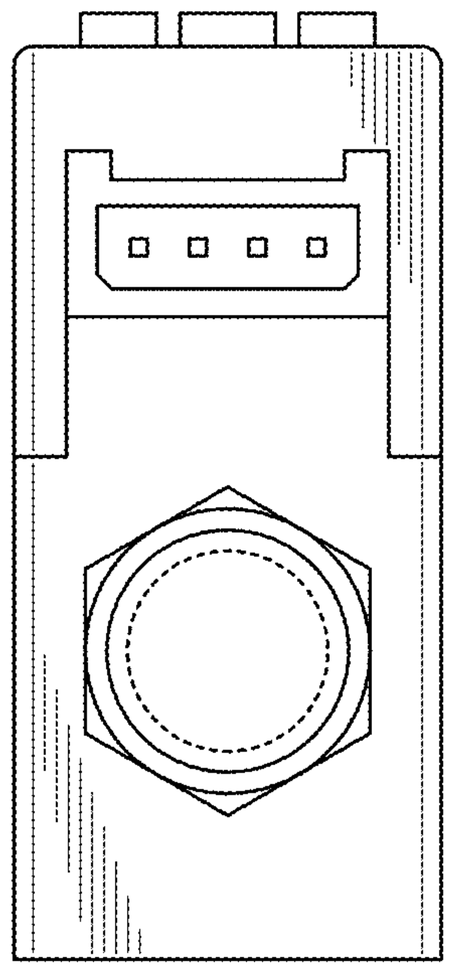


FIG. 17

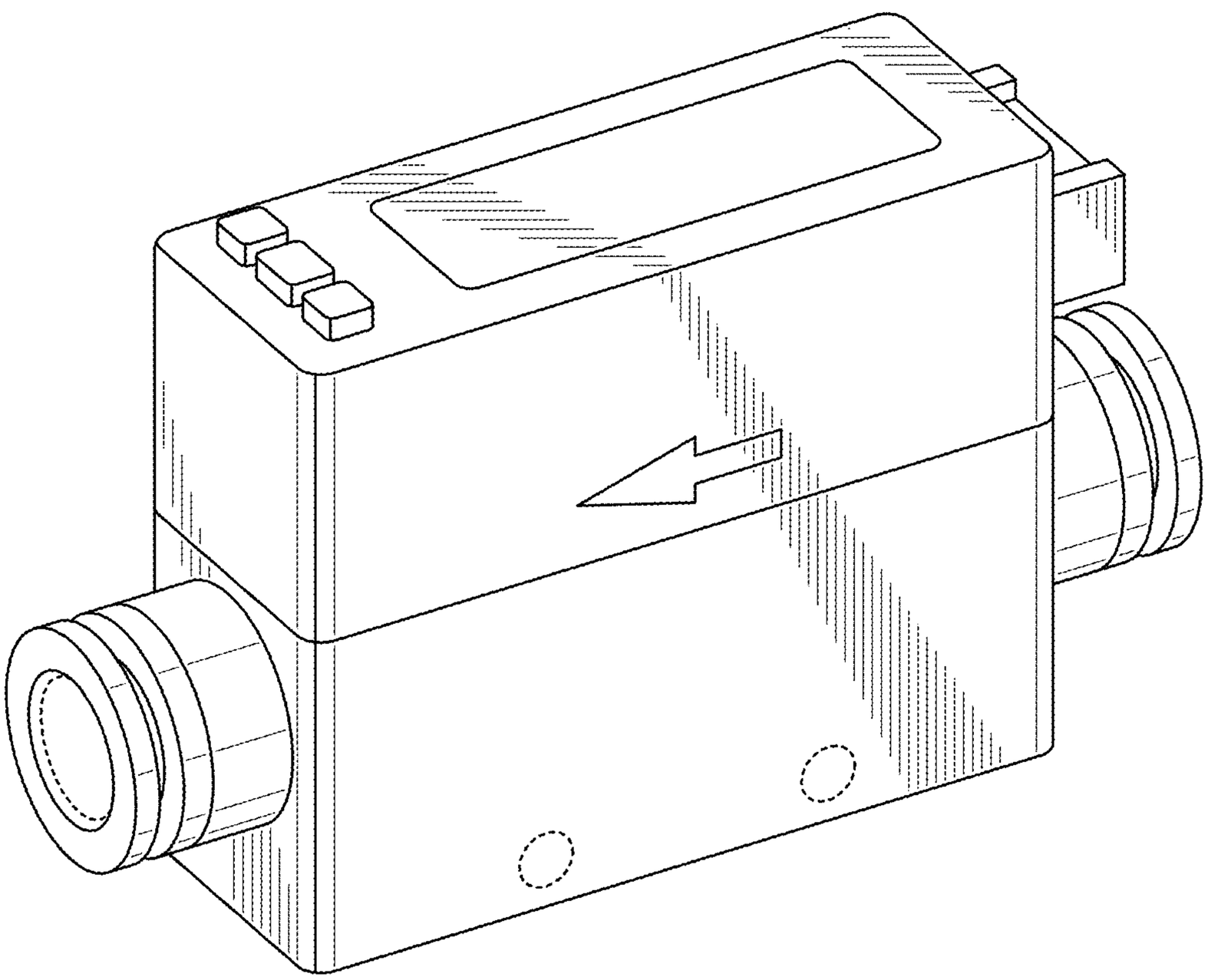


FIG. 18

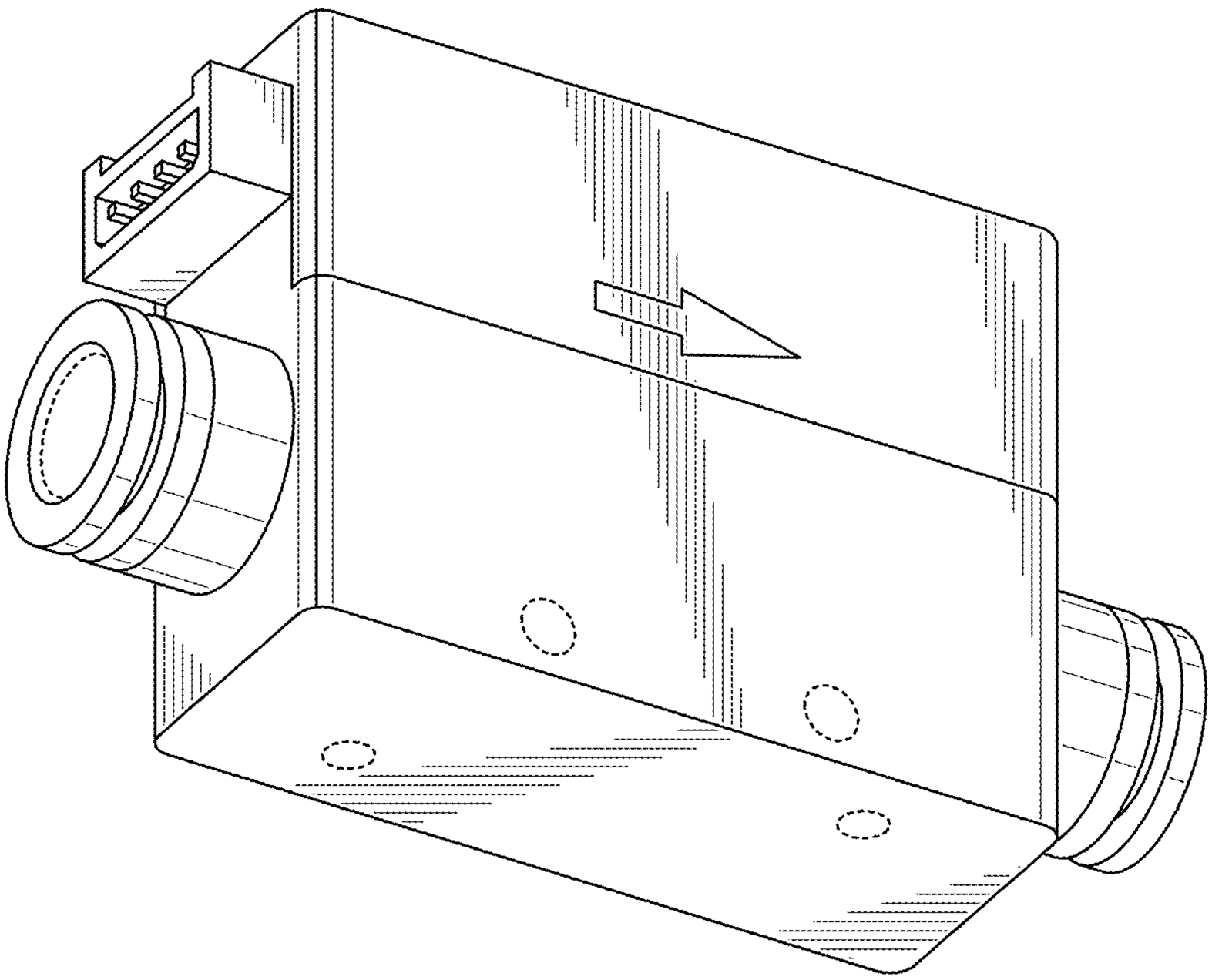


FIG. 19

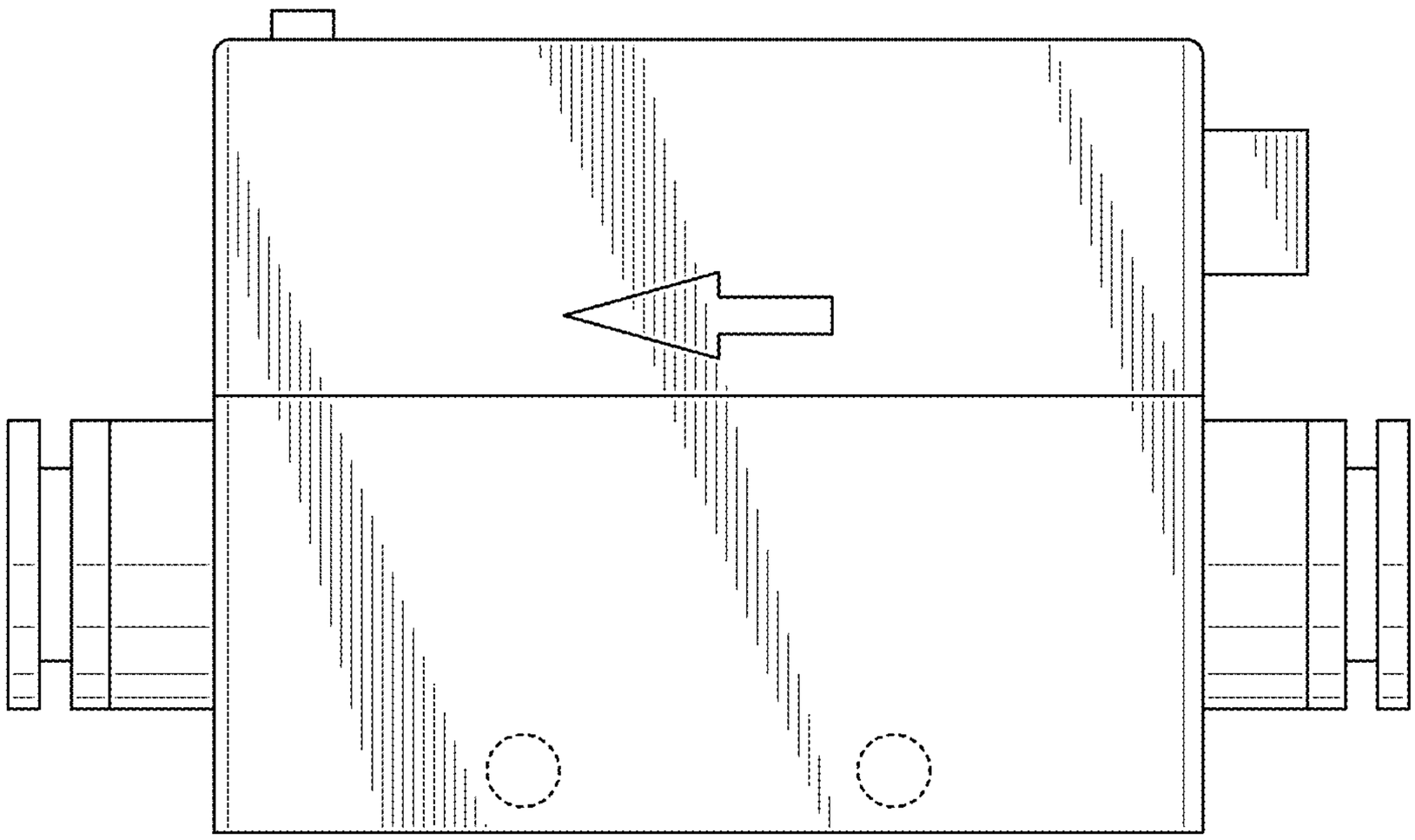


FIG. 20

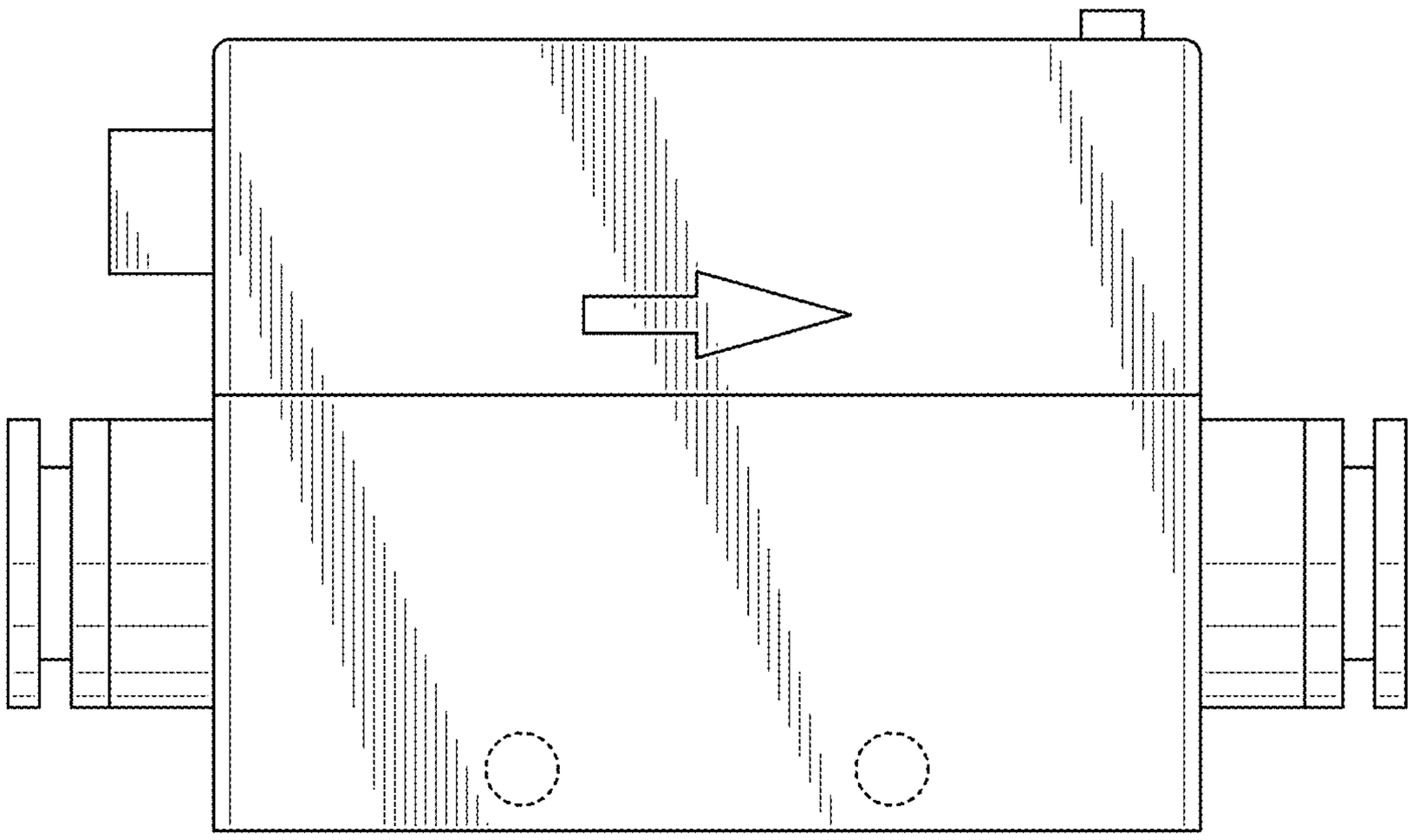


FIG. 21

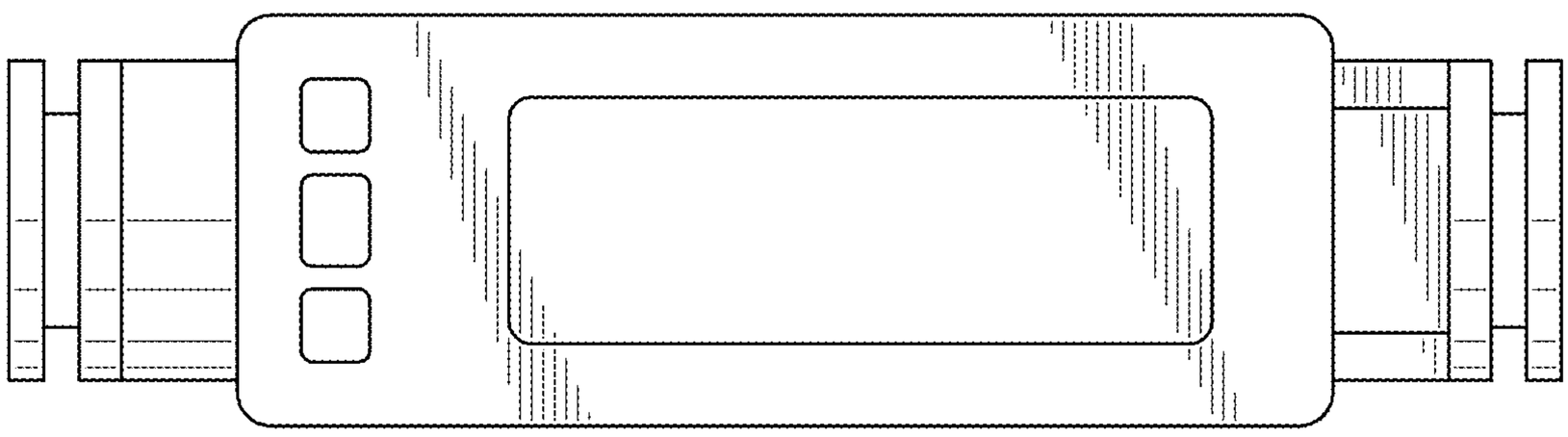


FIG. 22

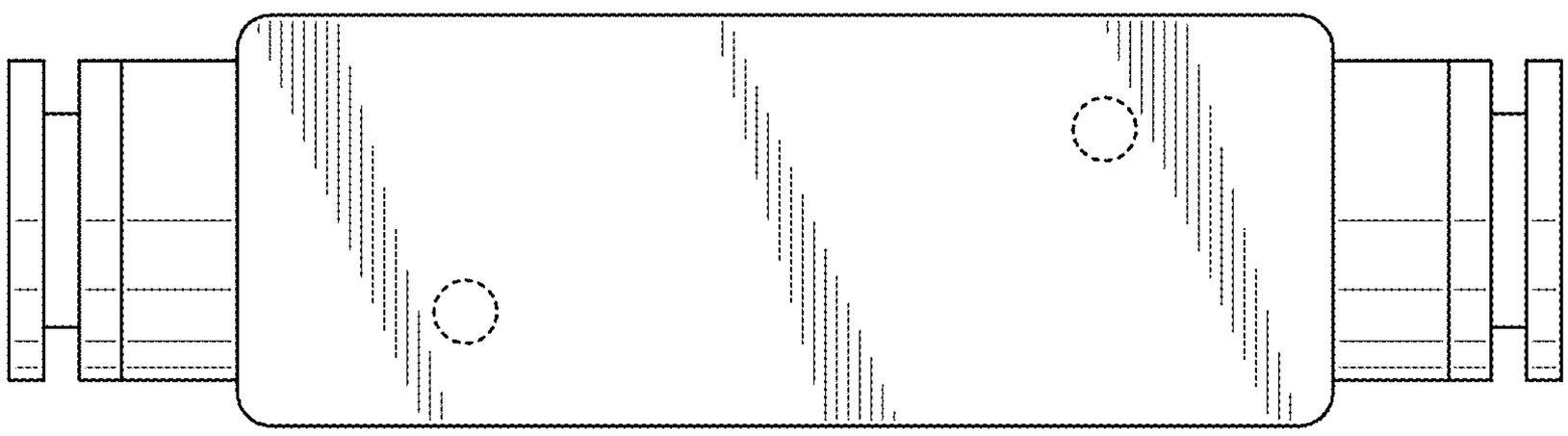


FIG. 23

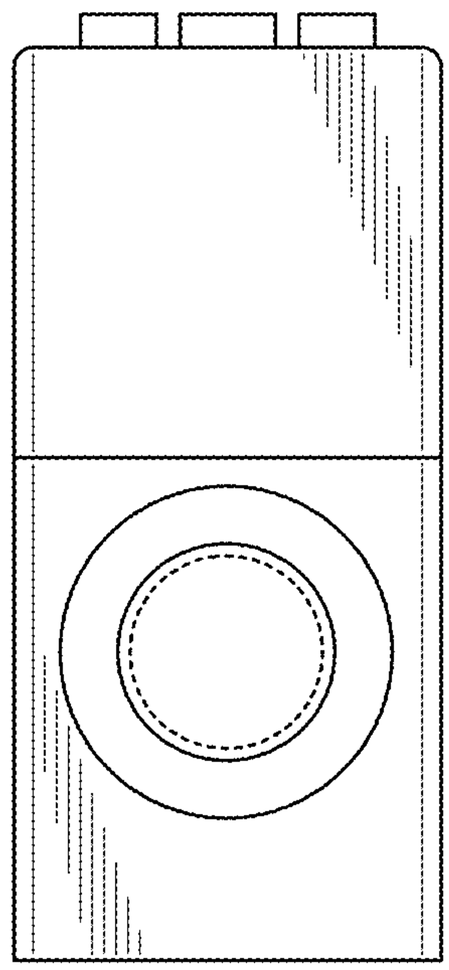


FIG. 24

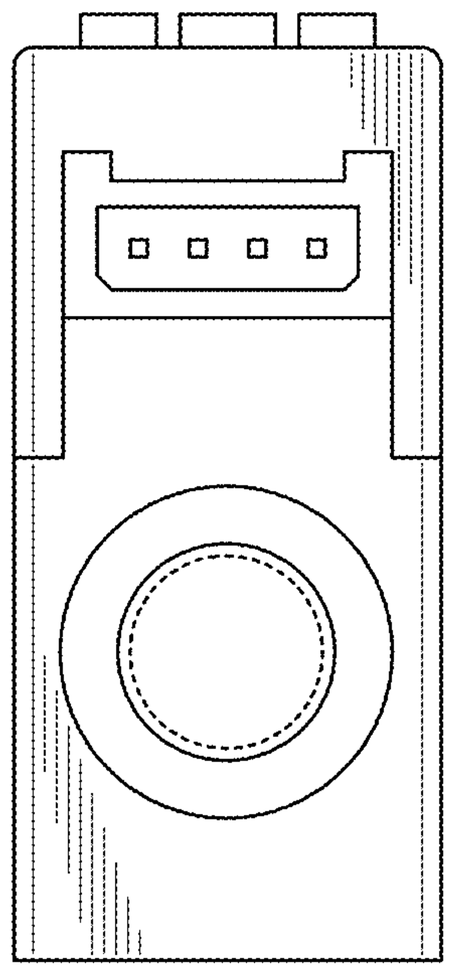


FIG. 25

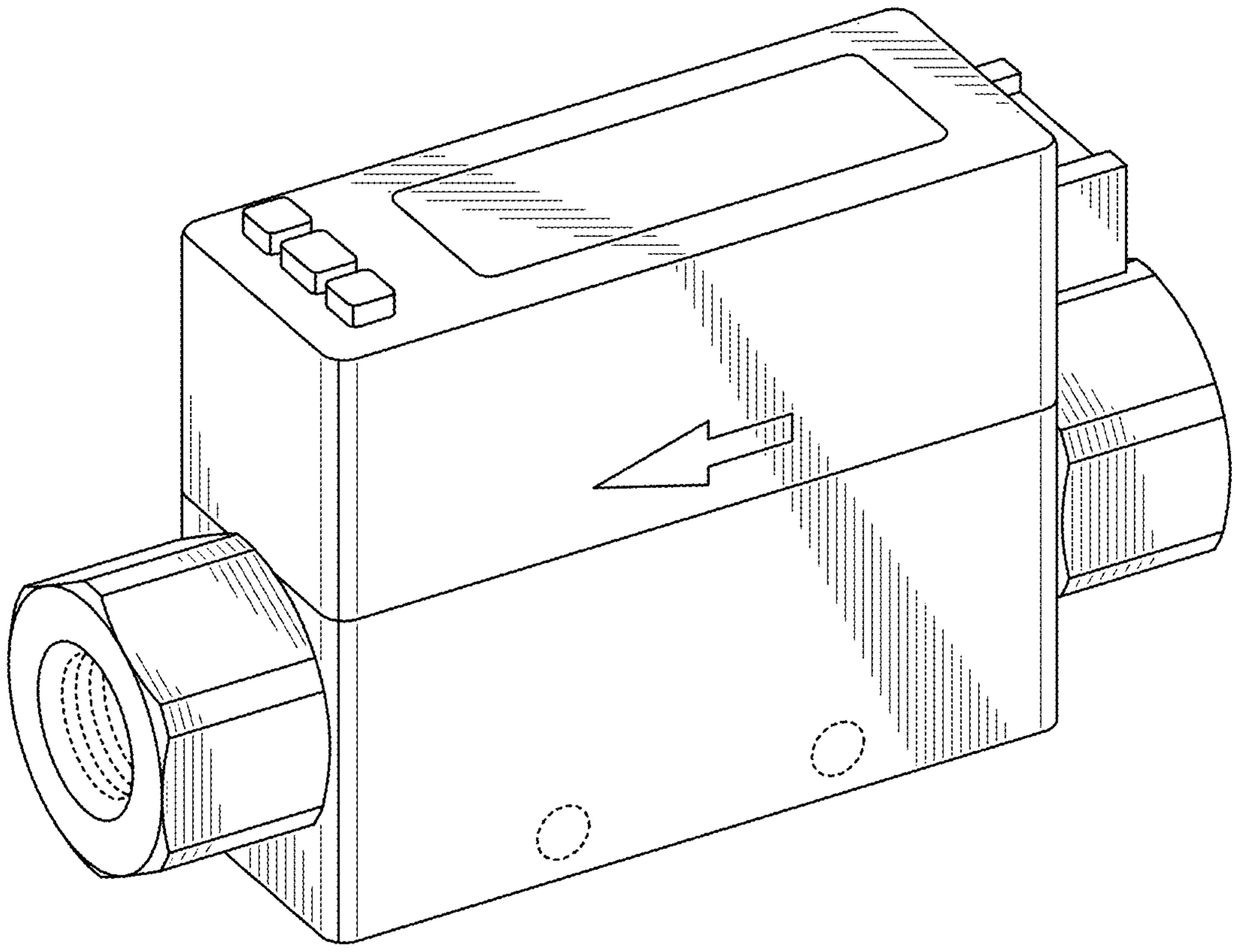


FIG. 26

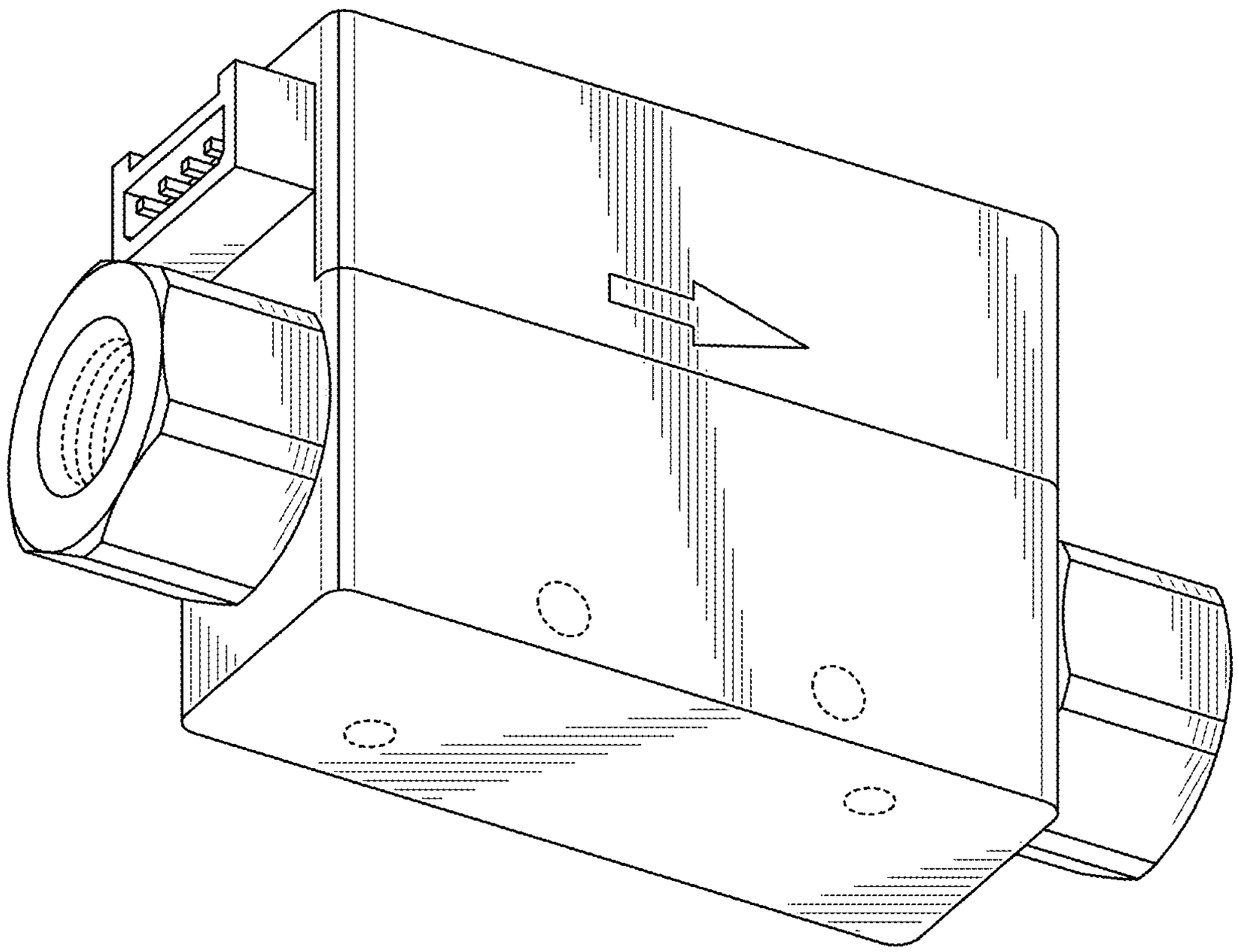


FIG. 27

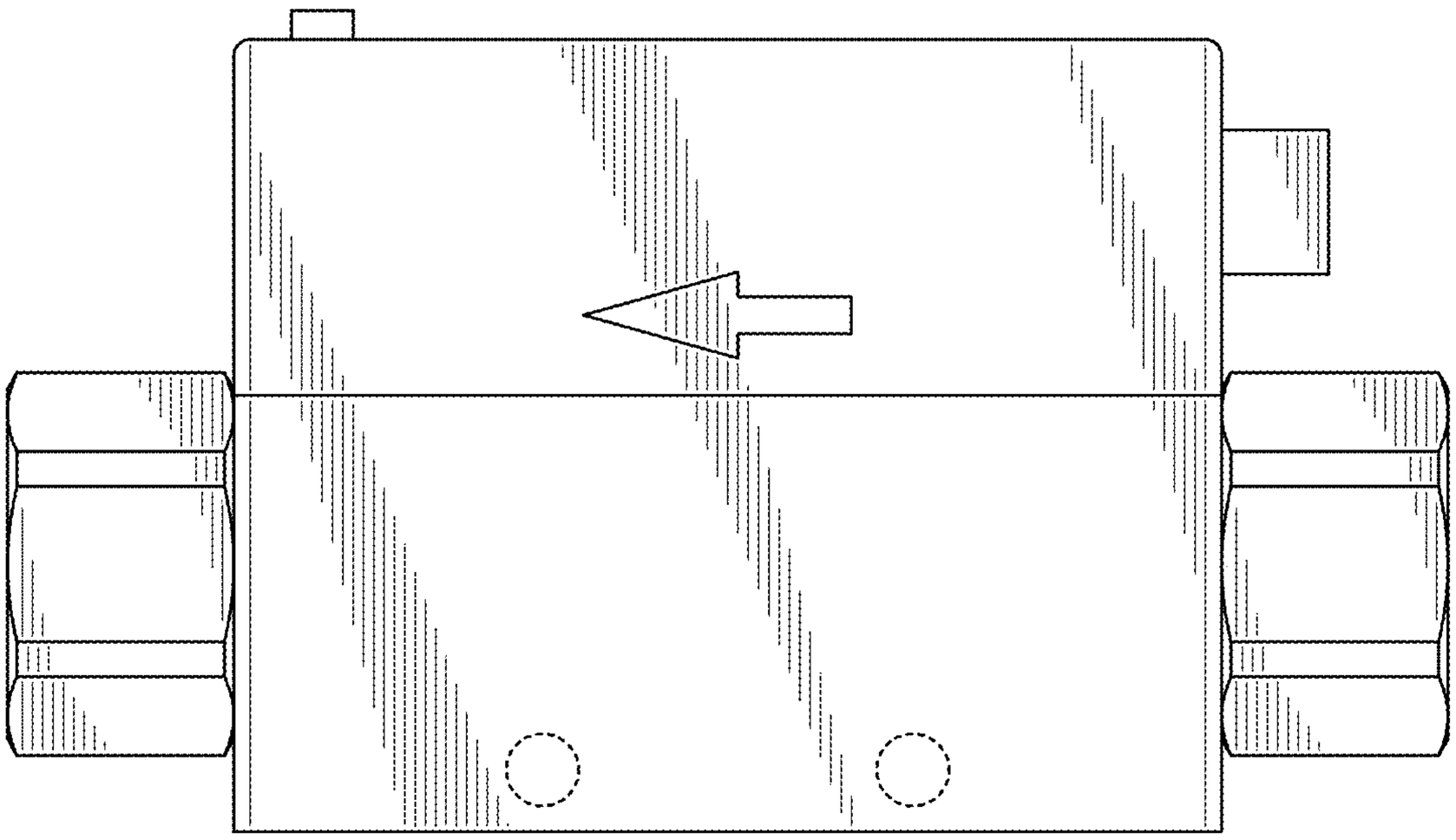


FIG. 28

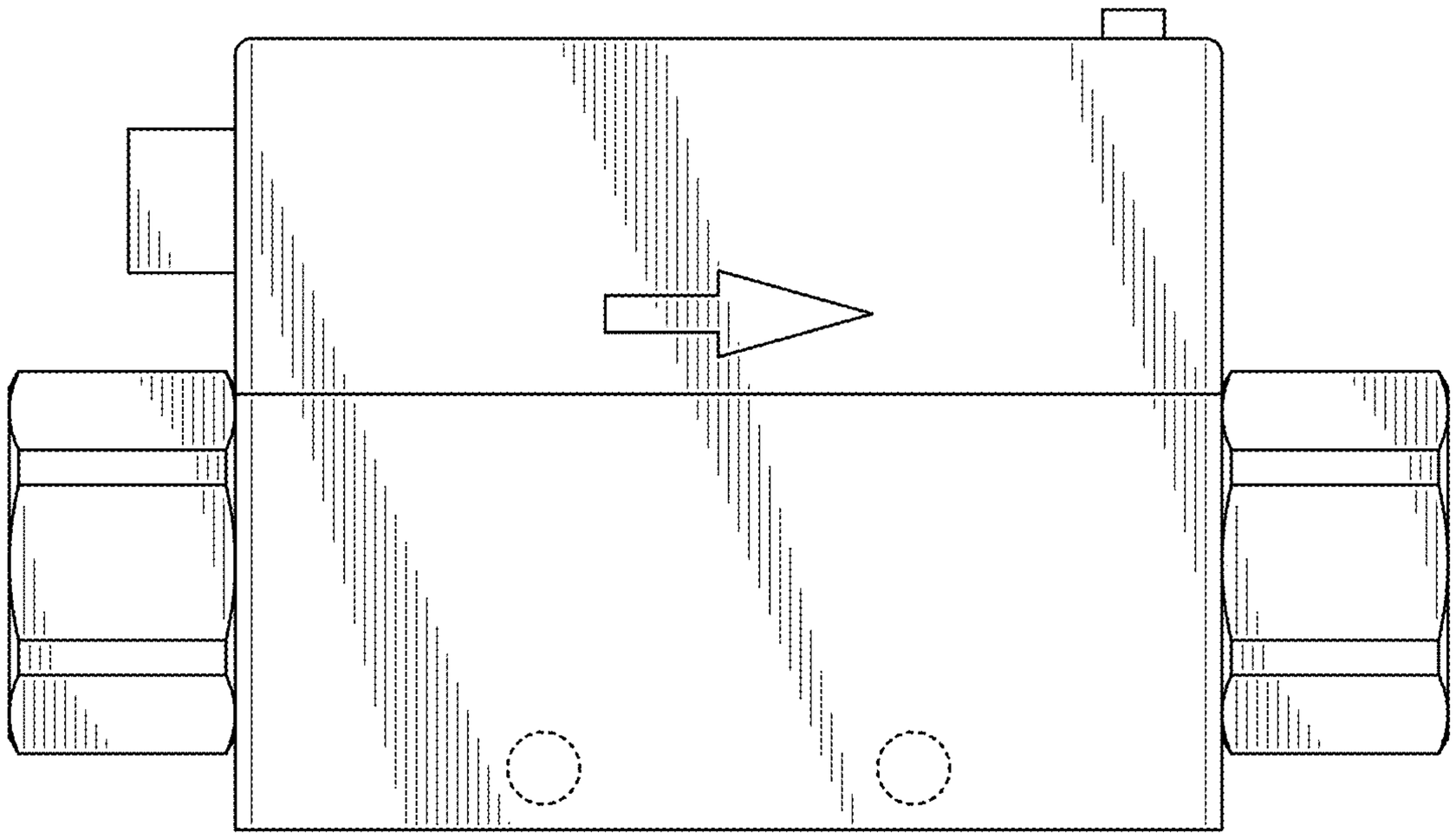


FIG. 29

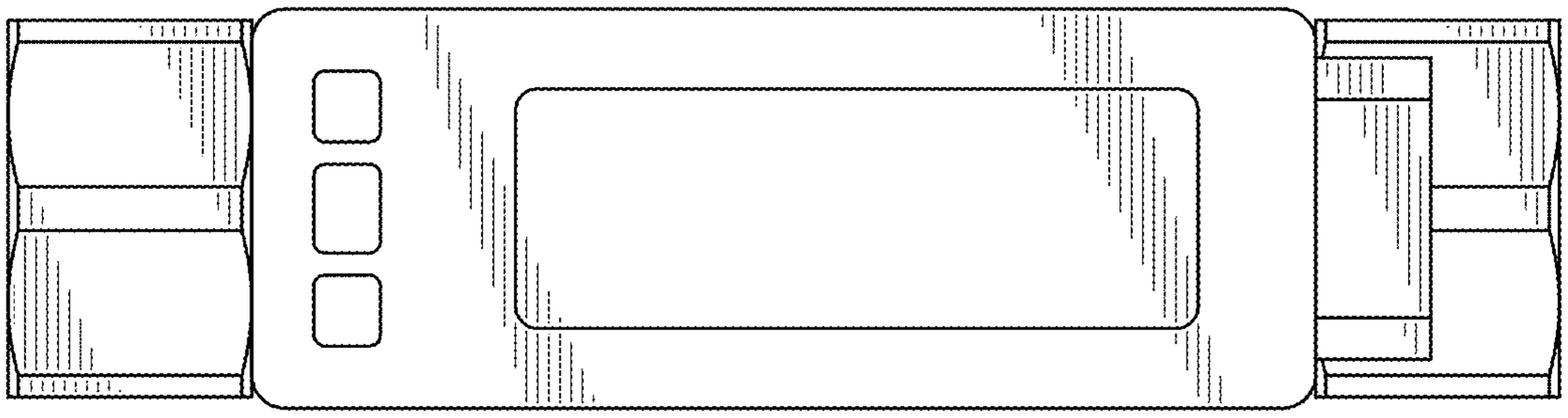


FIG. 30

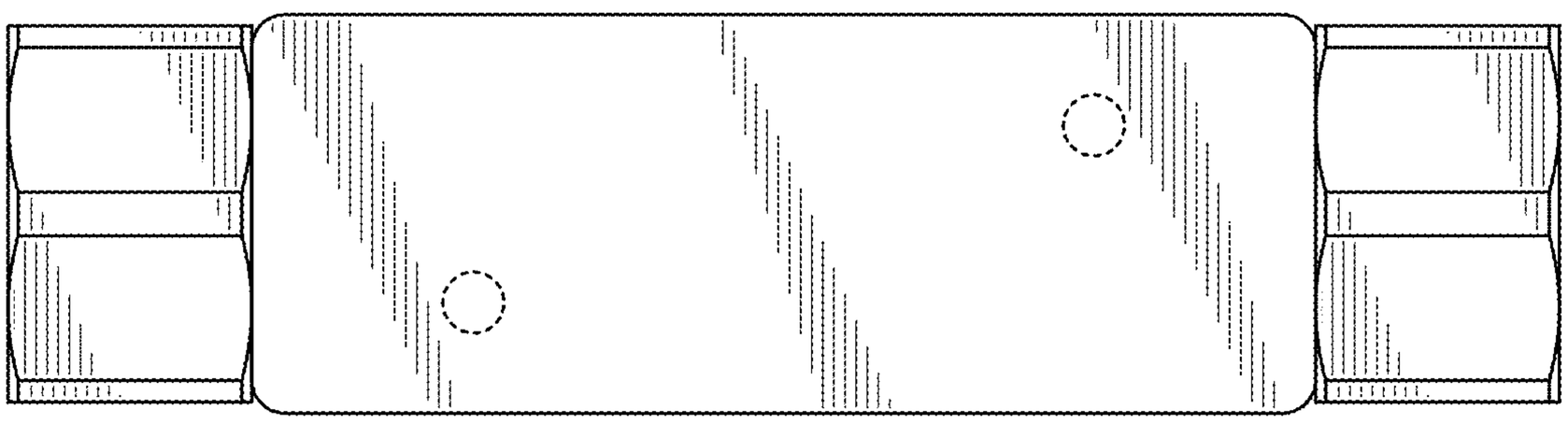
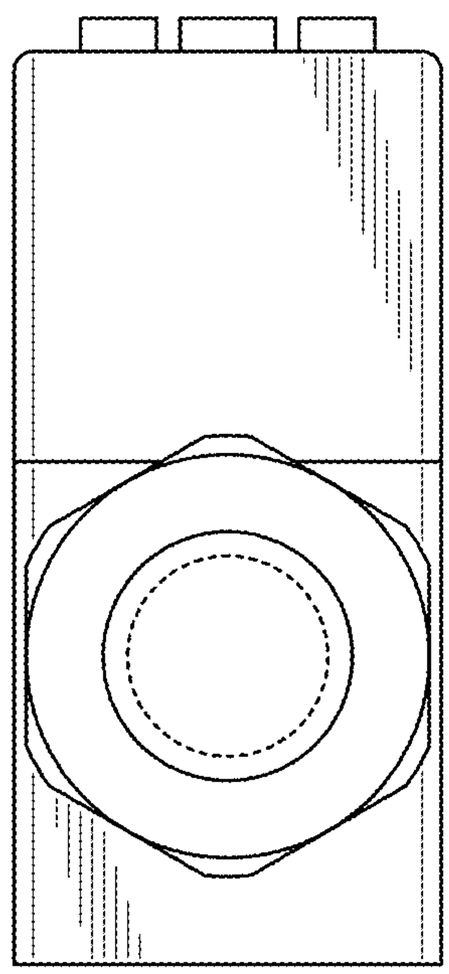


FIG. 31



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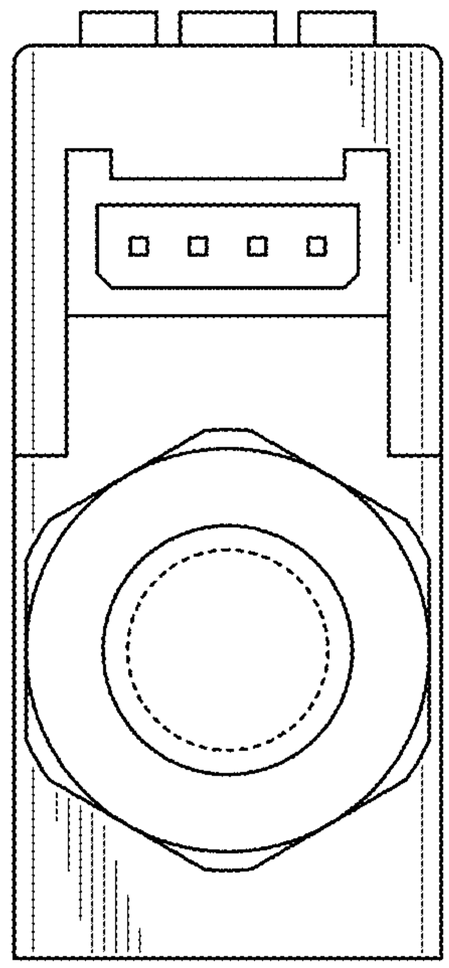

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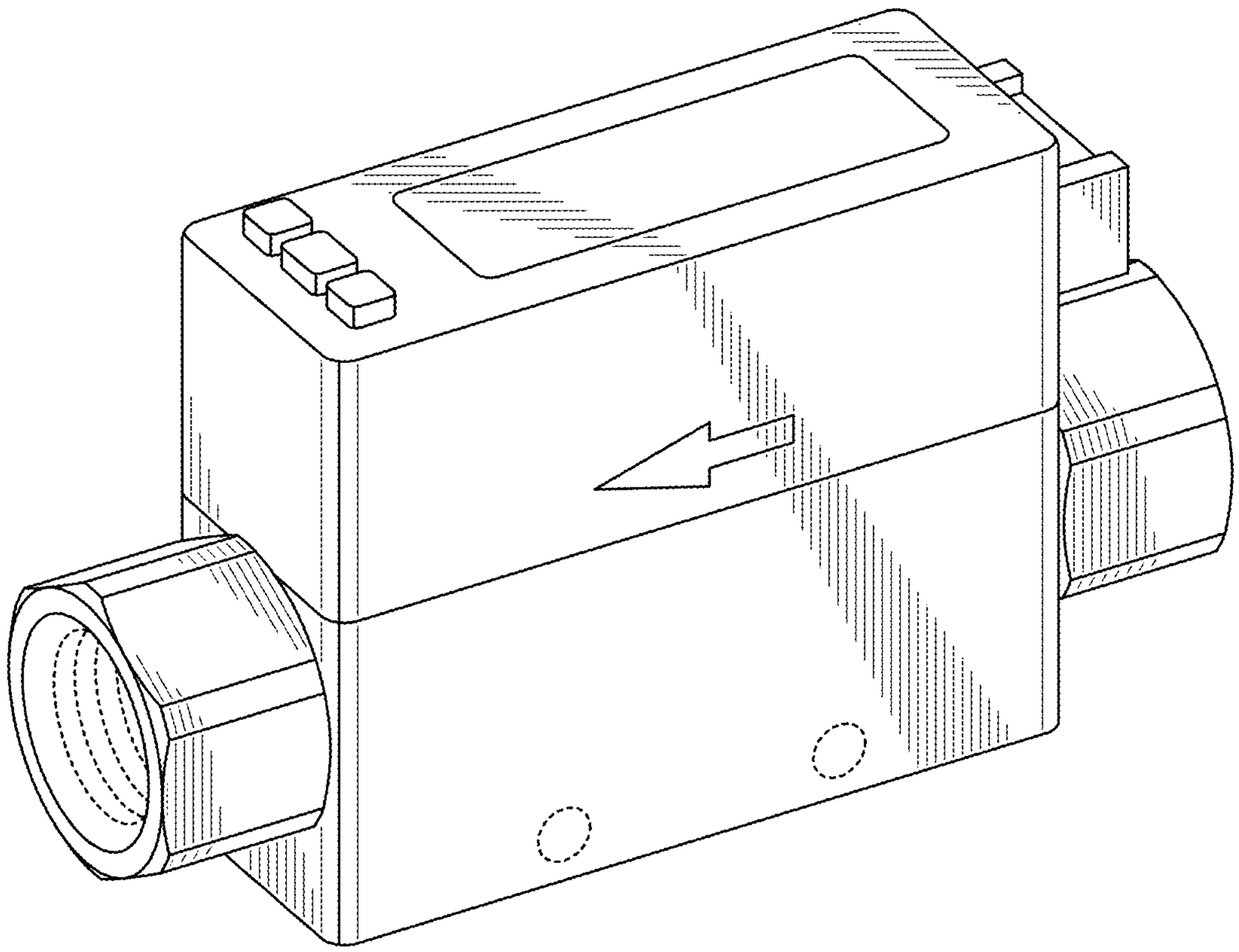

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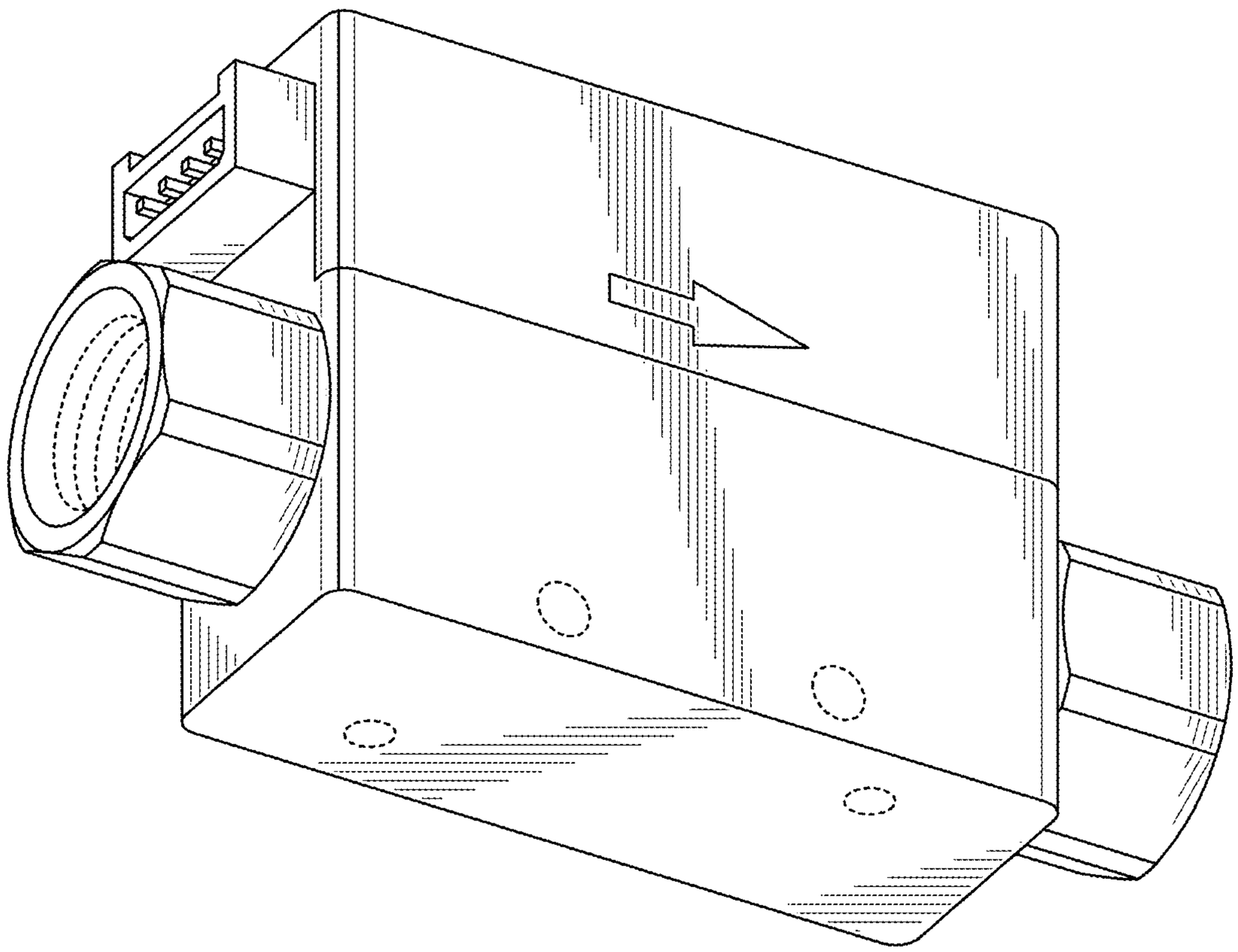

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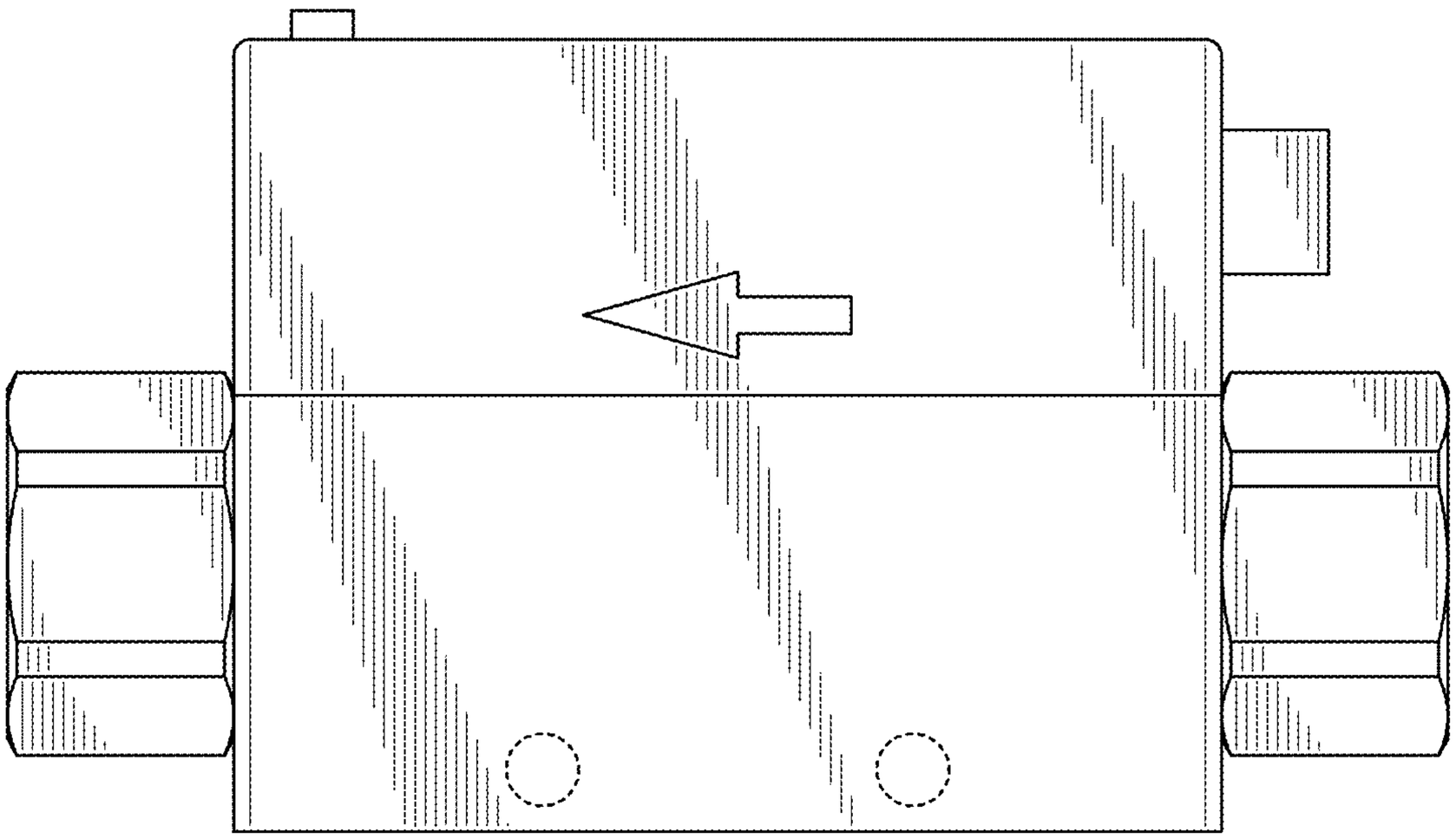

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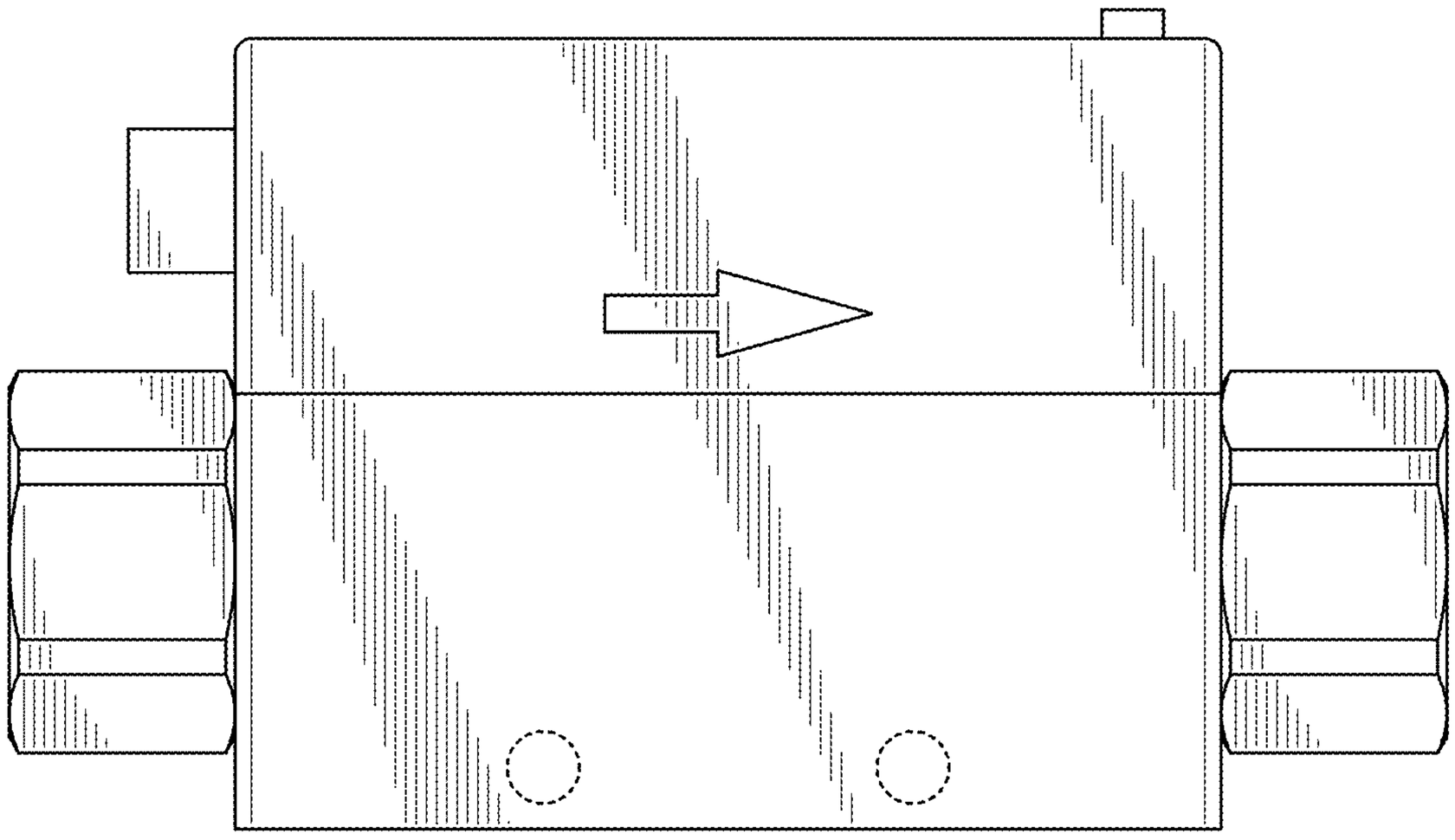

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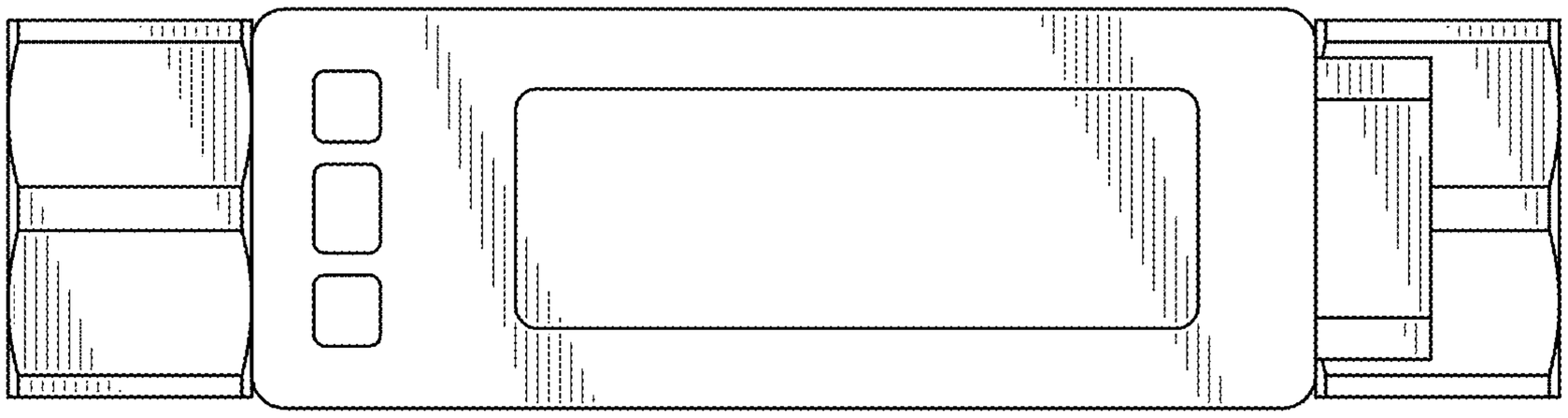
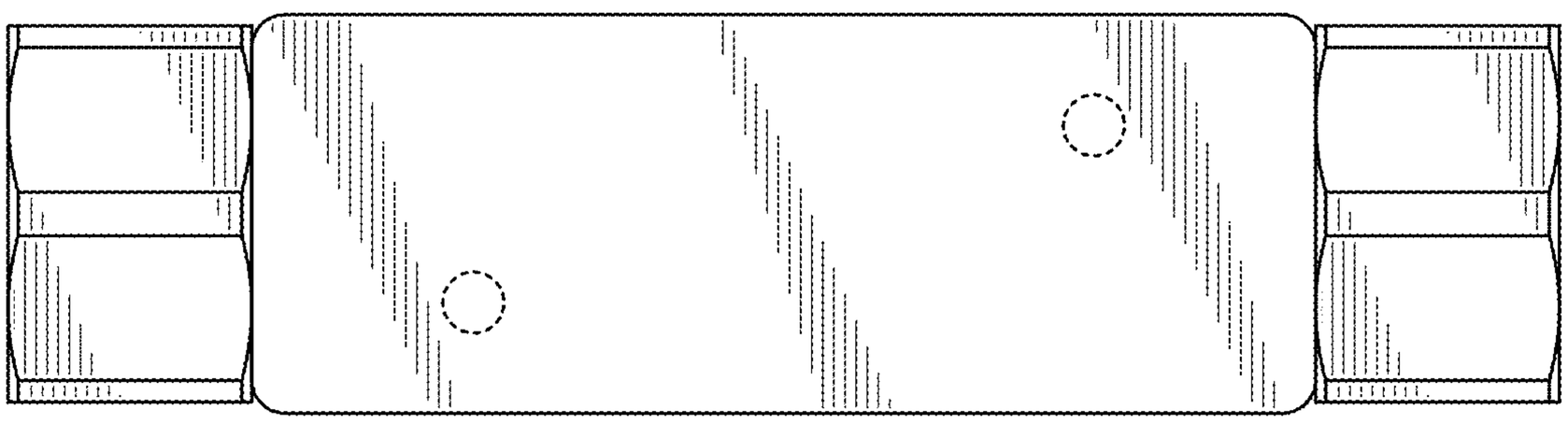


FIG. 38



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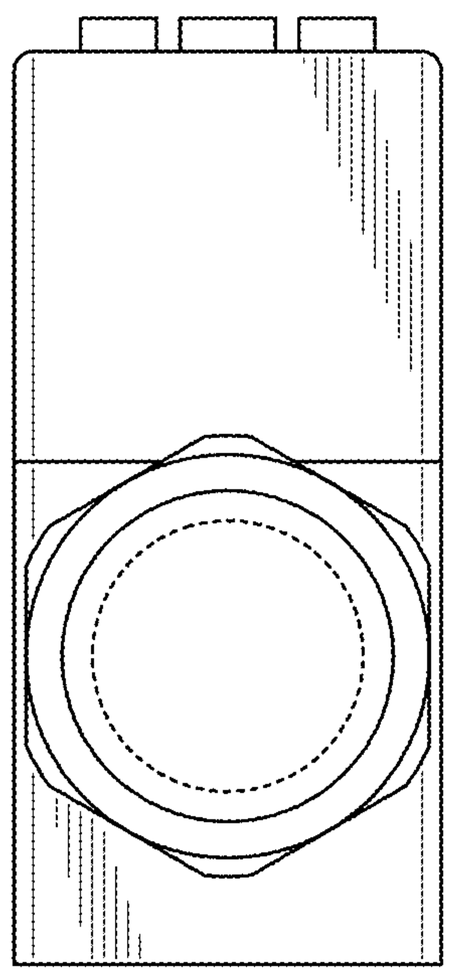

FIG. 40