



US00D749713S

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

(10) **Patent No.:** **US D749,713 S**
(45) **Date of Patent:** **** Feb. 16, 2016**

(54) **HEAT EXCHANGER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Innovative Medical Equipment, LLC**,
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EP 1175135 A1 1/2002

(72) Inventors: **Bahman Guyuron**, Lyndhurst, OH
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(US)

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(Continued)

(73) Assignee: **Innovative Medical Equipment, LLC**,
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Primary Examiner — T. Chase Nelson

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(**) Term: **14 Years**

(74) *Attorney, Agent, or Firm* — Renner, Otto, Boisselle and Sklar, LLP

(21) Appl. No.: **29/498,081**

(57) **CLAIM**

The ornamental design for a heat exchanger, as shown and described.

(22) Filed: **Jul. 31, 2014**

DESCRIPTION

(51) **LOC (10) Cl.** **23-03**

(52) **U.S. Cl.**
USPC **D23/314**

(58) **Field of Classification Search**
USPC D23/314, 323, 324, 329, 341; 62/3.2,
62/3.3, 3.1
CPC Y10S 257/93; Y10S 977/833; G01N
2030/303; G01N 2030/3092; A61B
2018/00047; H01S 5/02415
See application file for complete search history.

FIG. 1 is a perspective view of a heat exchanger showing our new design.

FIG. 2 is a top view thereof.

FIG. 3 is a bottom view thereof.

FIG. 4 is a rear view thereof.

FIG. 5 is a front view thereof.

FIG. 6 is a left side view thereof.

FIG. 7 is a right side view thereof.

FIG. 8 is a perspective view of another embodiment of the heat exchanger.

FIG. 9 is a top view thereof.

FIG. 10 is a bottom view thereof.

FIG. 11 is a rear view thereof.

FIG. 12 is a front view thereof.

FIG. 13 is a left side view thereof; and,

FIG. 14 is a right side view thereof.

The broken line shown in the drawings are for the purpose of illustrating portions of the article that form no part of the claimed design.

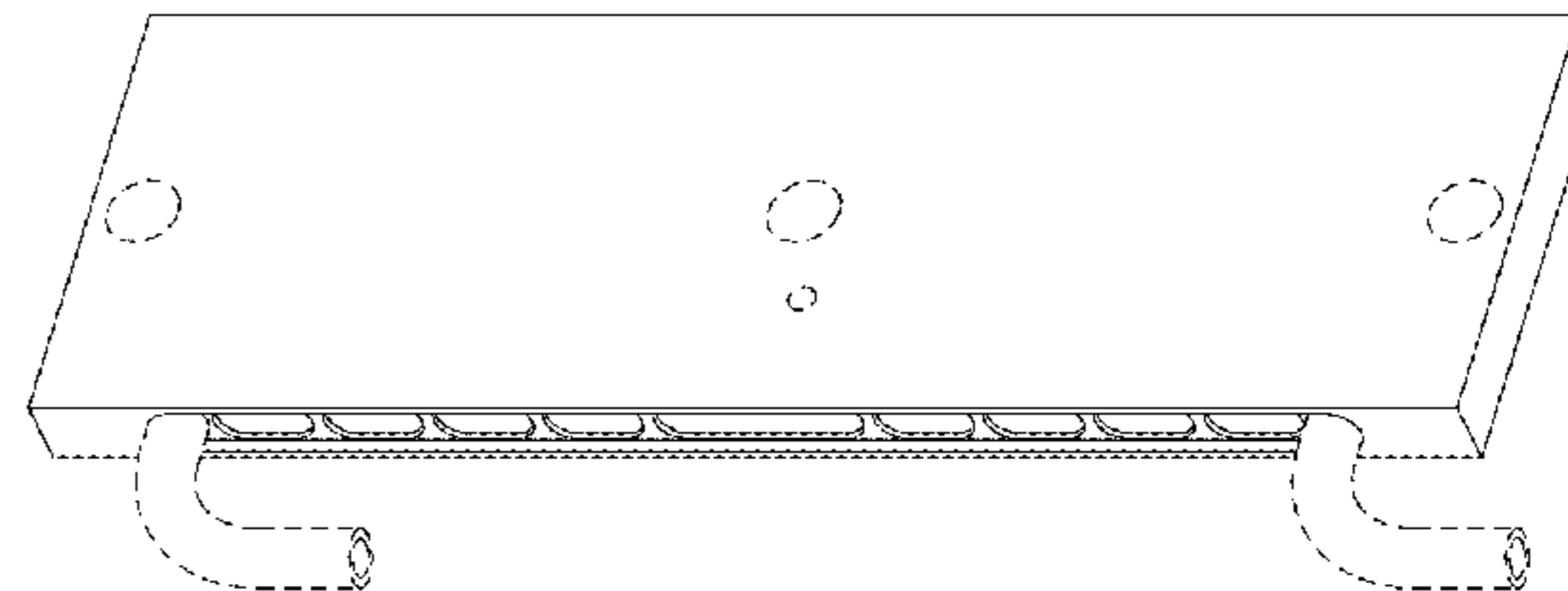
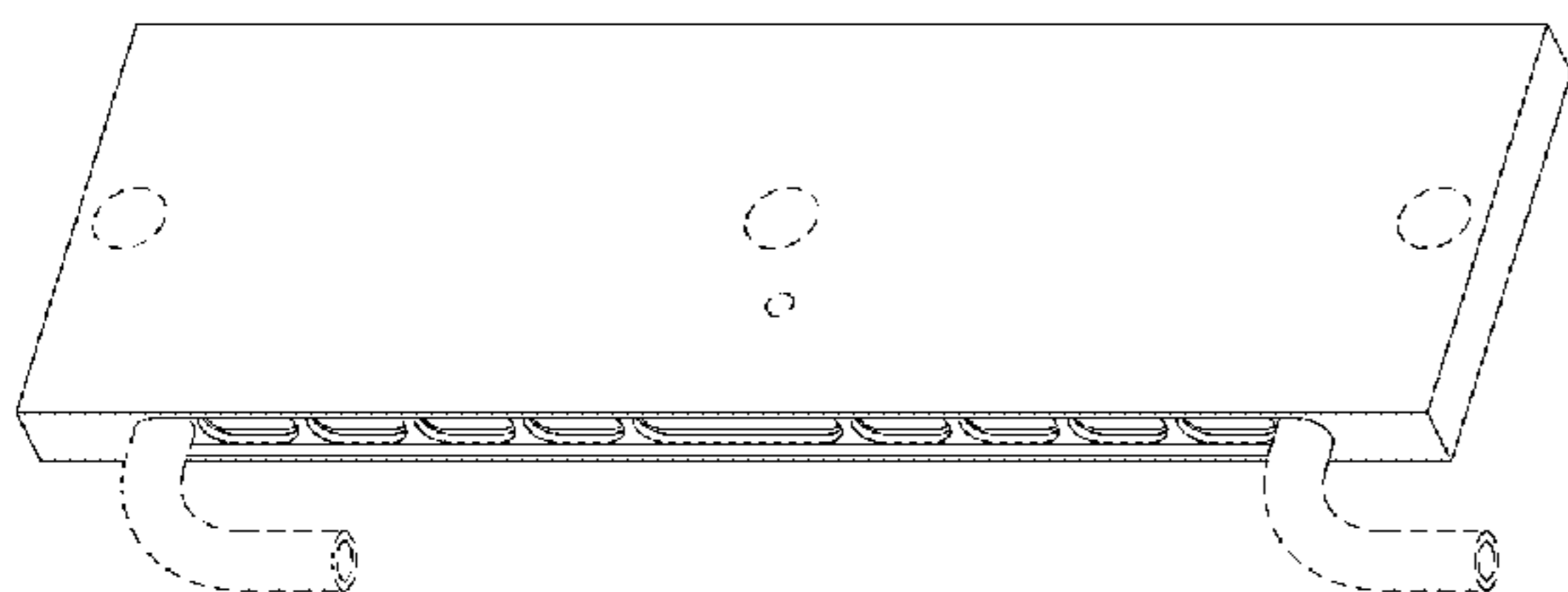
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1 Claim, 4 Drawing Sheets



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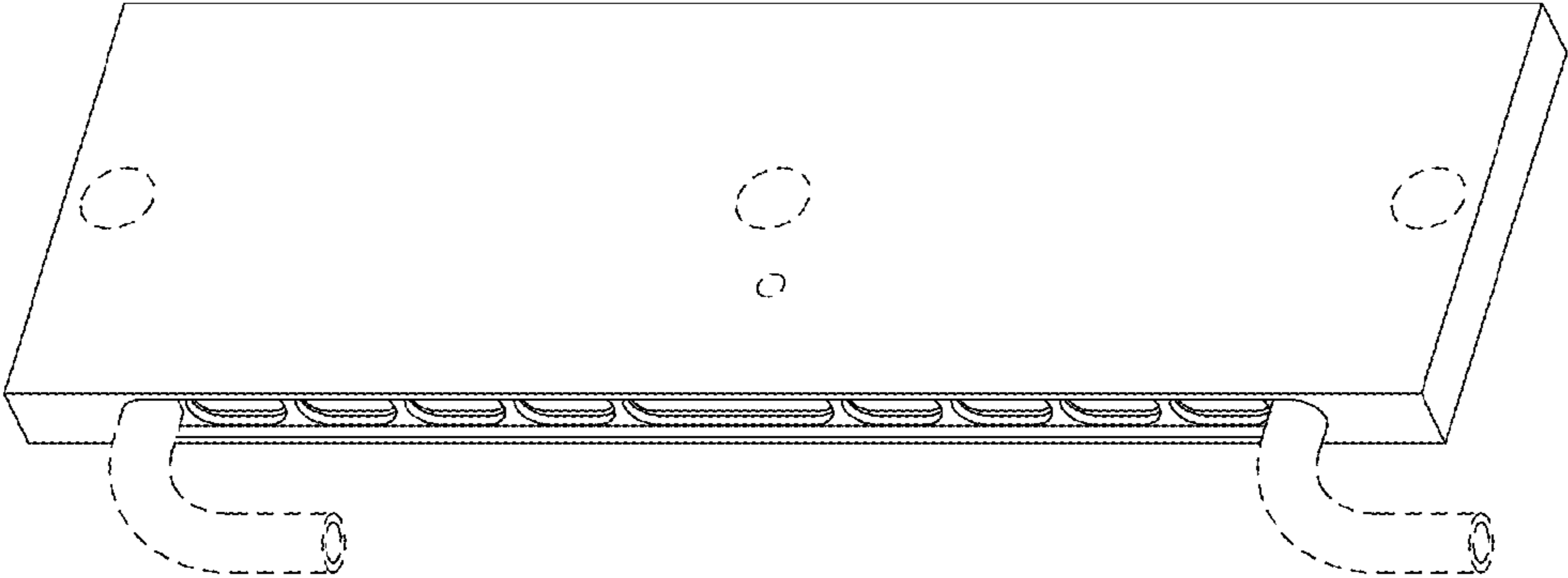


FIG. 1

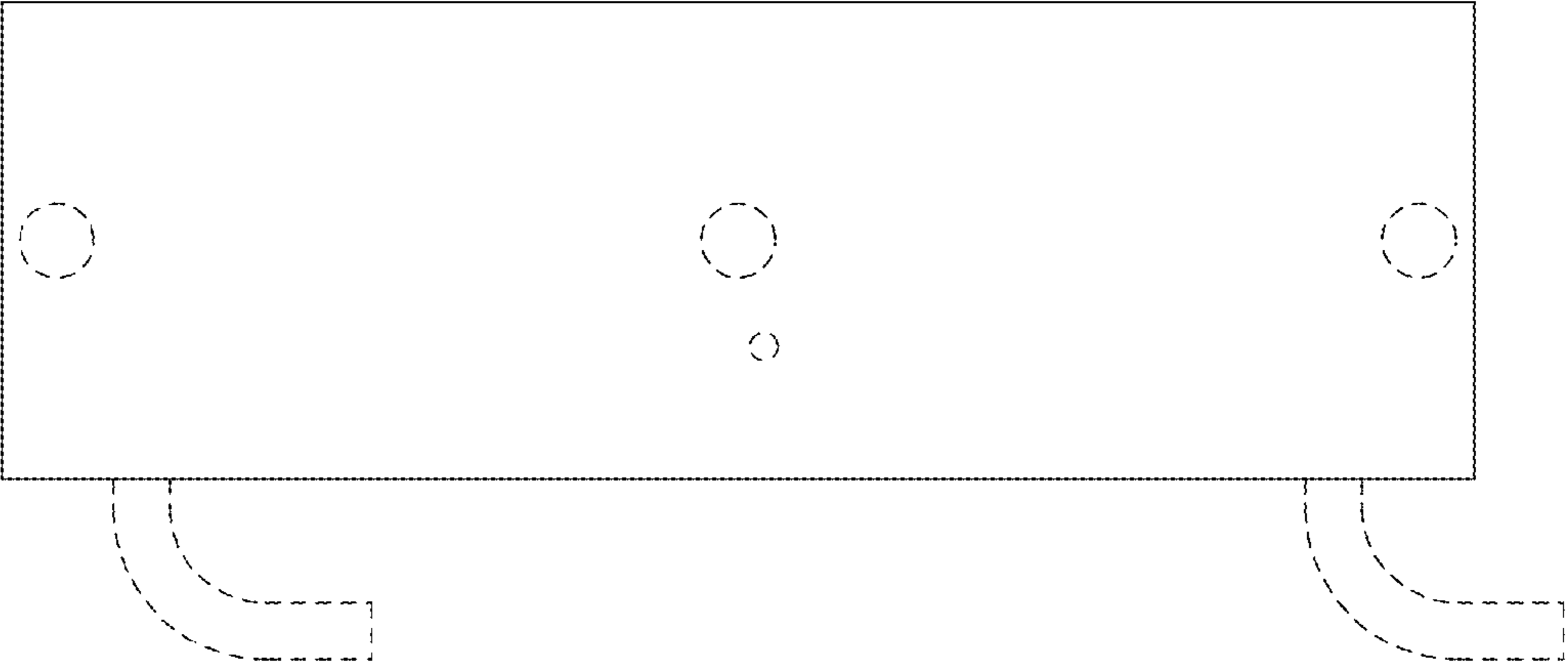


FIG. 2

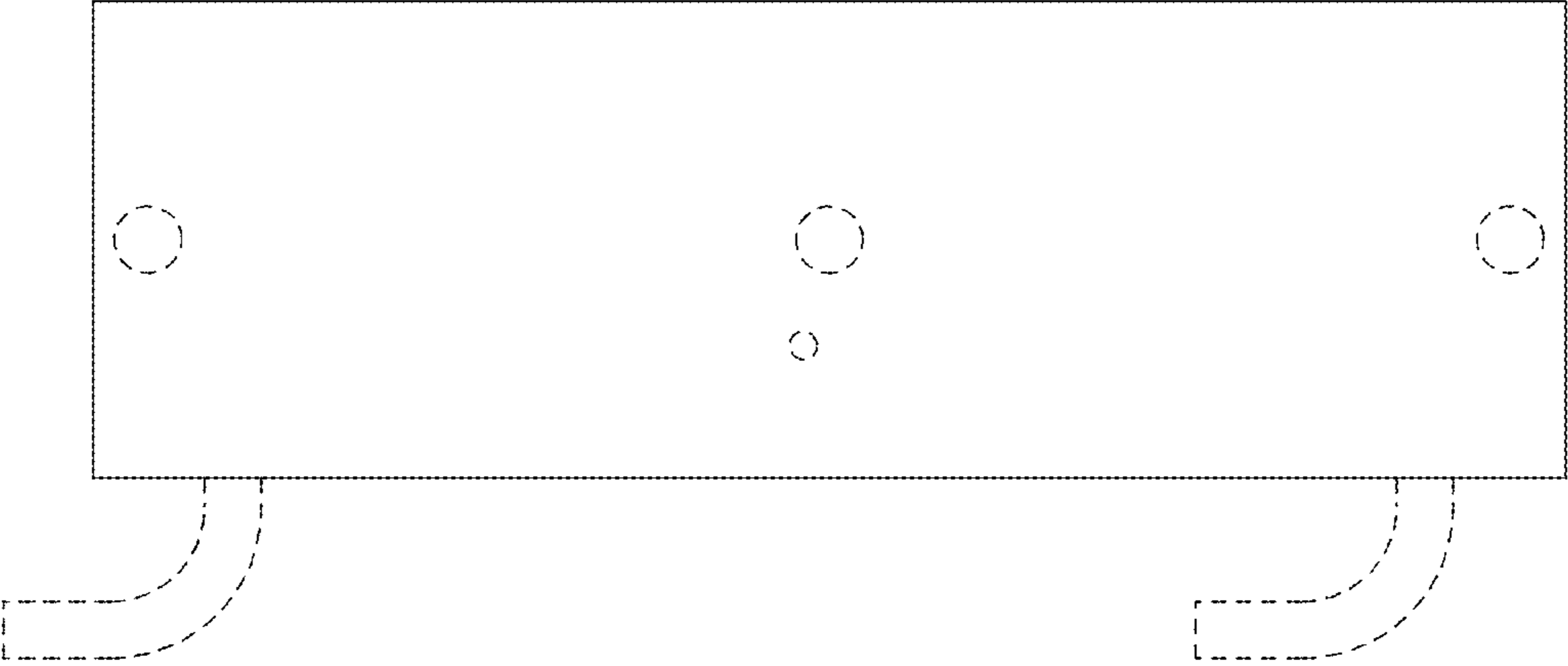


FIG. 3

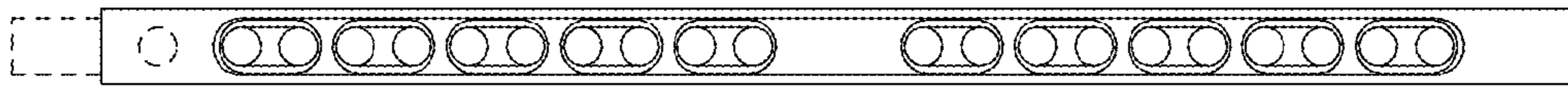


FIG. 4

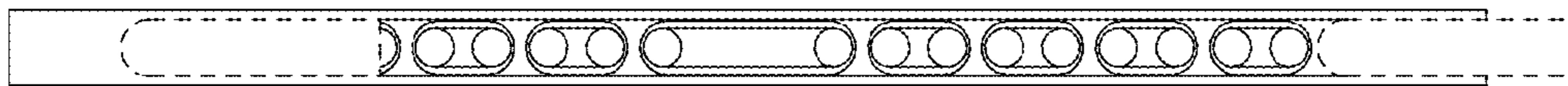


FIG. 5



FIG. 6



FIG. 7

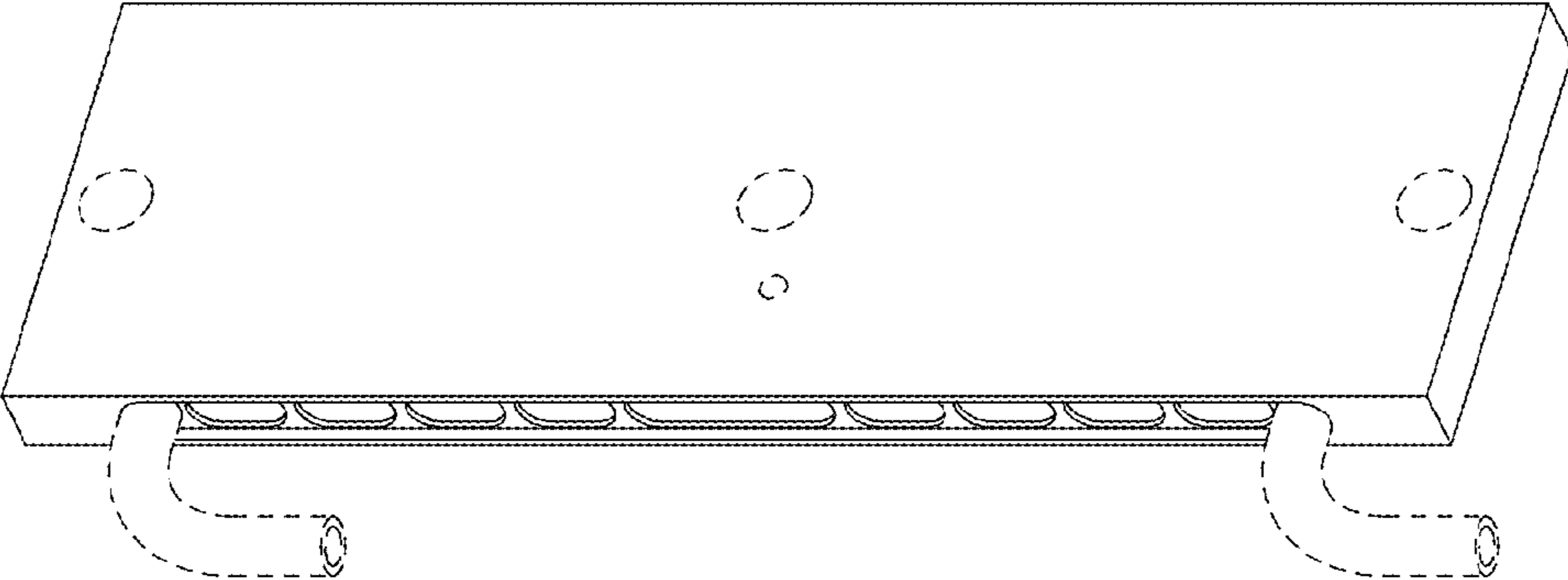


FIG. 8

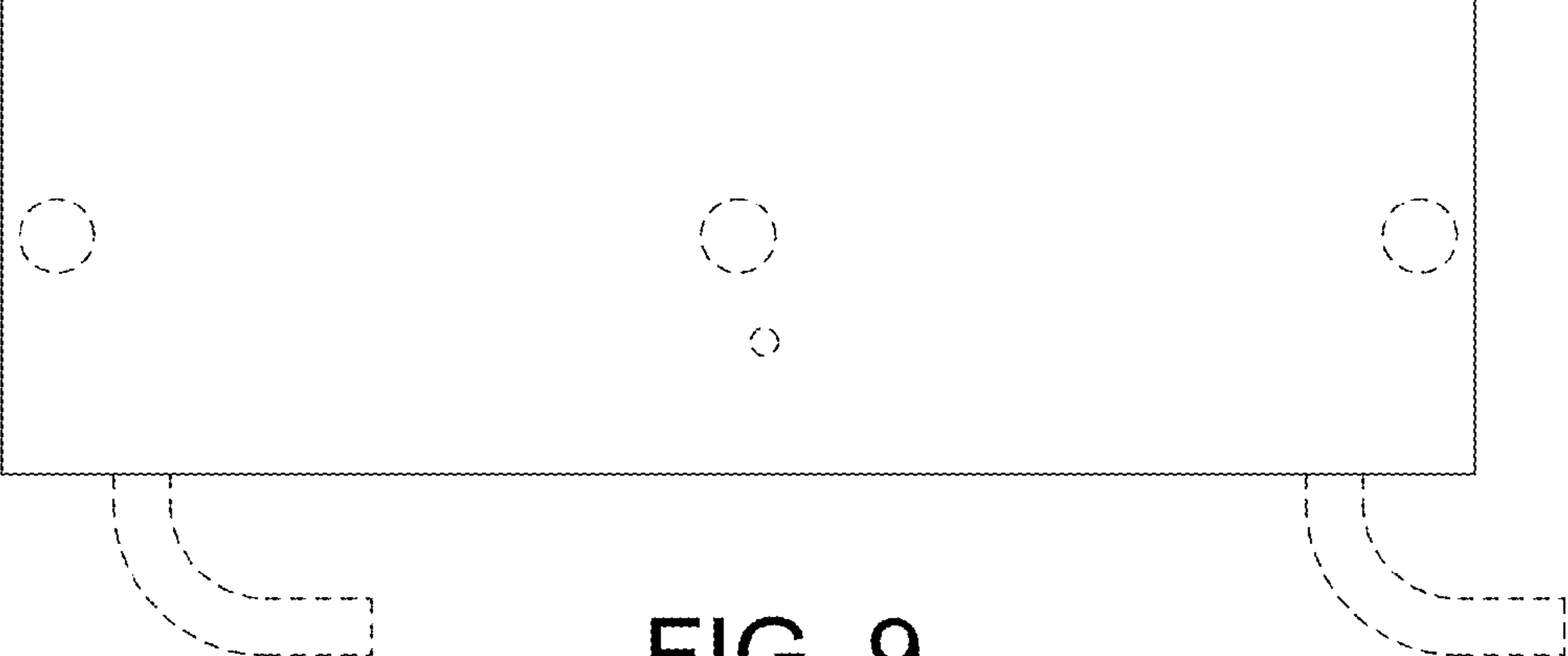


FIG. 9

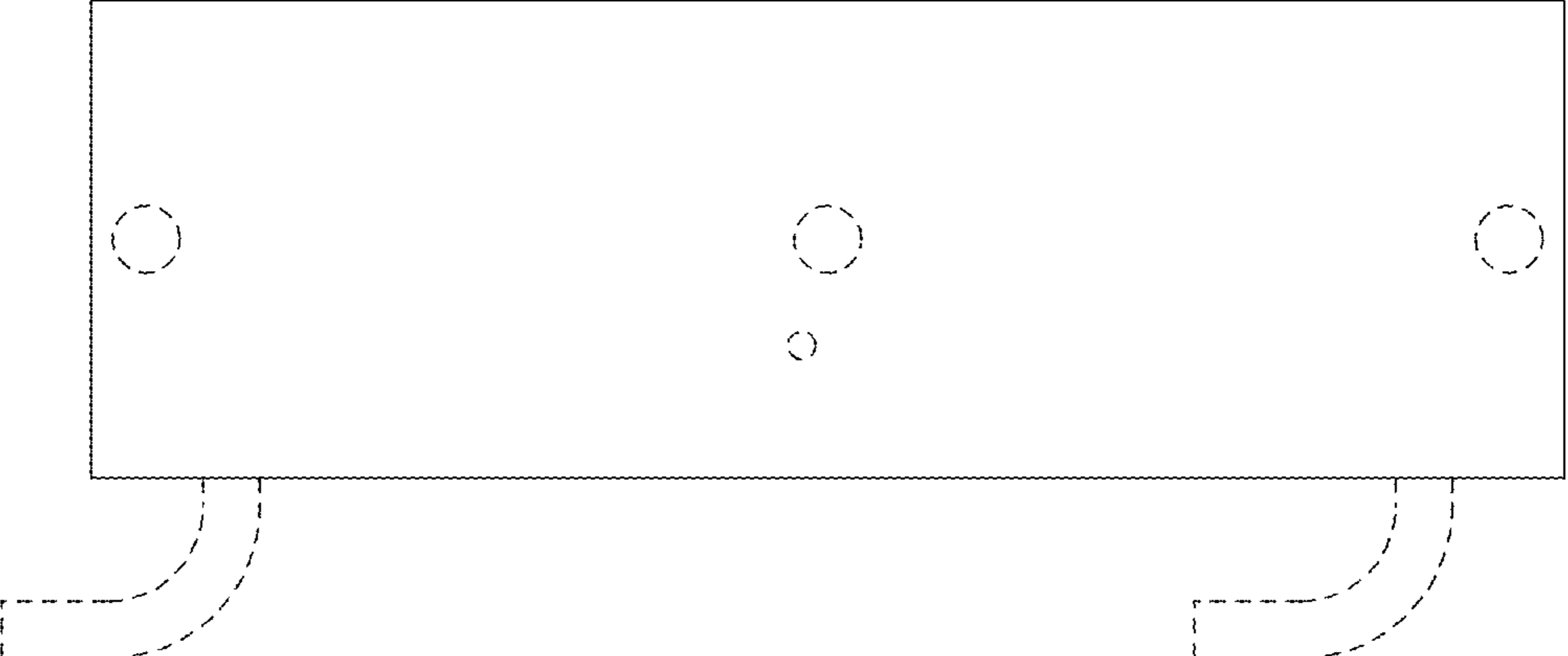


FIG. 10

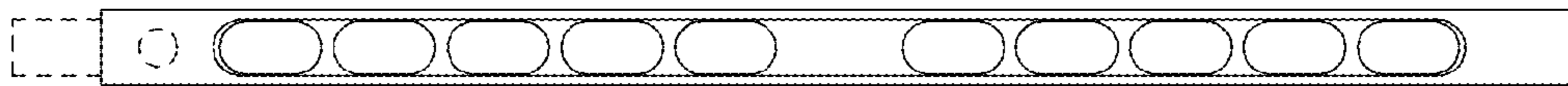


FIG. 11

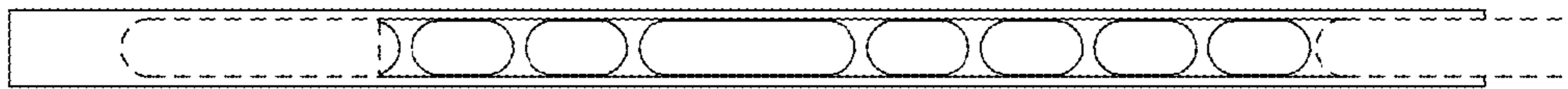


FIG. 12

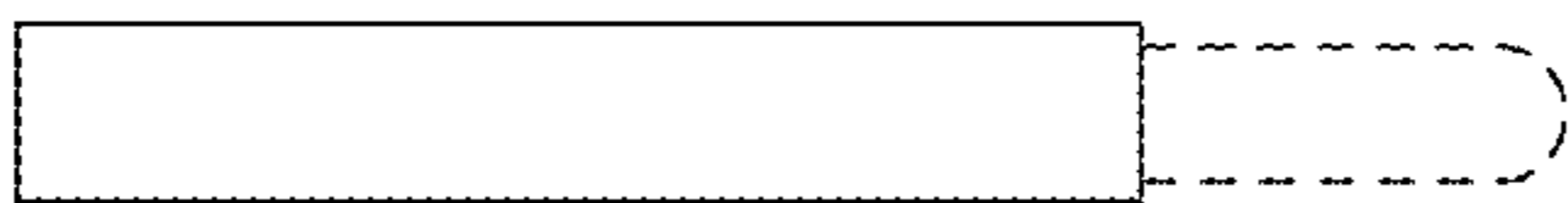


FIG. 13

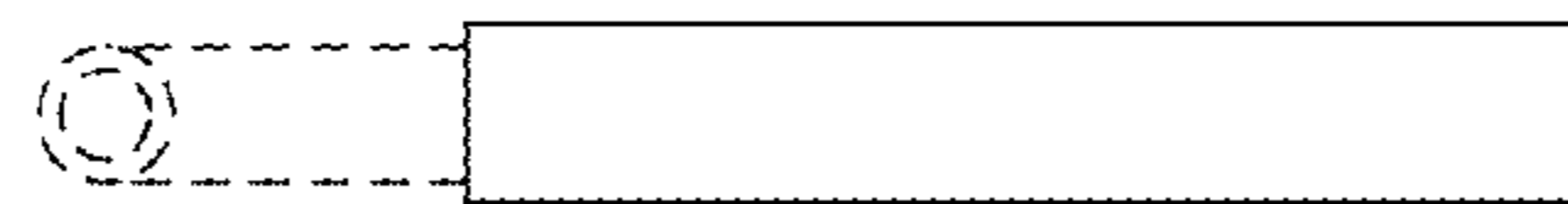


FIG. 14

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D749,713 S
APPLICATION NO. : 29/498081
DATED : February 16, 2016
INVENTOR(S) : Fred Bahr

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 (72) inventors, please change the listing of inventors to:

Inventor(s): Fred Bahr, Seven Hills, OH (US)

Signed and Sealed this
Twenty-first Day of June, 2016



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

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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Title Page

“Item (72) inventors, please change the listing of inventors to:

Inventor(s): Fred Bahr, Seven Hills, OH (US)”

(as corrected to read in the Certificate of Correction issued March 29, 2016) is deleted and patent is returned to its original state with the Inventors name in patent to read

--(72) Inventors: **Bahman Guyuron**, Lyndhurst, OH
(US); **Fred Bahr**, Seven Hills, OH (US);
Brad A. Pulver, Shaker Heights, OH
(US); **Jamie Horvath**, Twinsburg, OH
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(US)--

Signed and Sealed this
Second Day of August, 2016



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