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(12) **United States Design Patent** (10) **Patent No.:** **US D803,169 S**
Mira et al. (45) **Date of Patent:** **** Nov. 21, 2017**

(54) **COMBINED LIQUID COOLING COLD
PLATE AND VAPOR CHAMBER**

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

(21) Appl. No.: **29/555,494**

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(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/179**

(58) **Field of Classification Search**

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CPC .. H05K 7/20; H05K 7/20172; H05K 7/20127;
H05K 7/20336; H05K 7/20154; H05K
7/20272; H01L 23/34; H01L 23/3672;
H01L 23/40; H01L 23/4006; H01L
23/4093; H01L 23/427; H01L 23/46;
F28D 15/0275; F28D 1/0426; F28D
15/0208; F28D 15/04; F28F 1/30; F28F
2215/00; G06F 1/20

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a combined liquid cooling cold
plate and vapor chamber, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a combined liquid cooling
cold plate and vapor chamber showing our new design;
FIG. 2 is a top perspective disassembled view corresponding
to FIG. 1;

FIG. 3 is a left side elevational view thereof;

FIG. 4 a right side elevational view thereof;

FIG. 5 is a rear elevational view thereof;

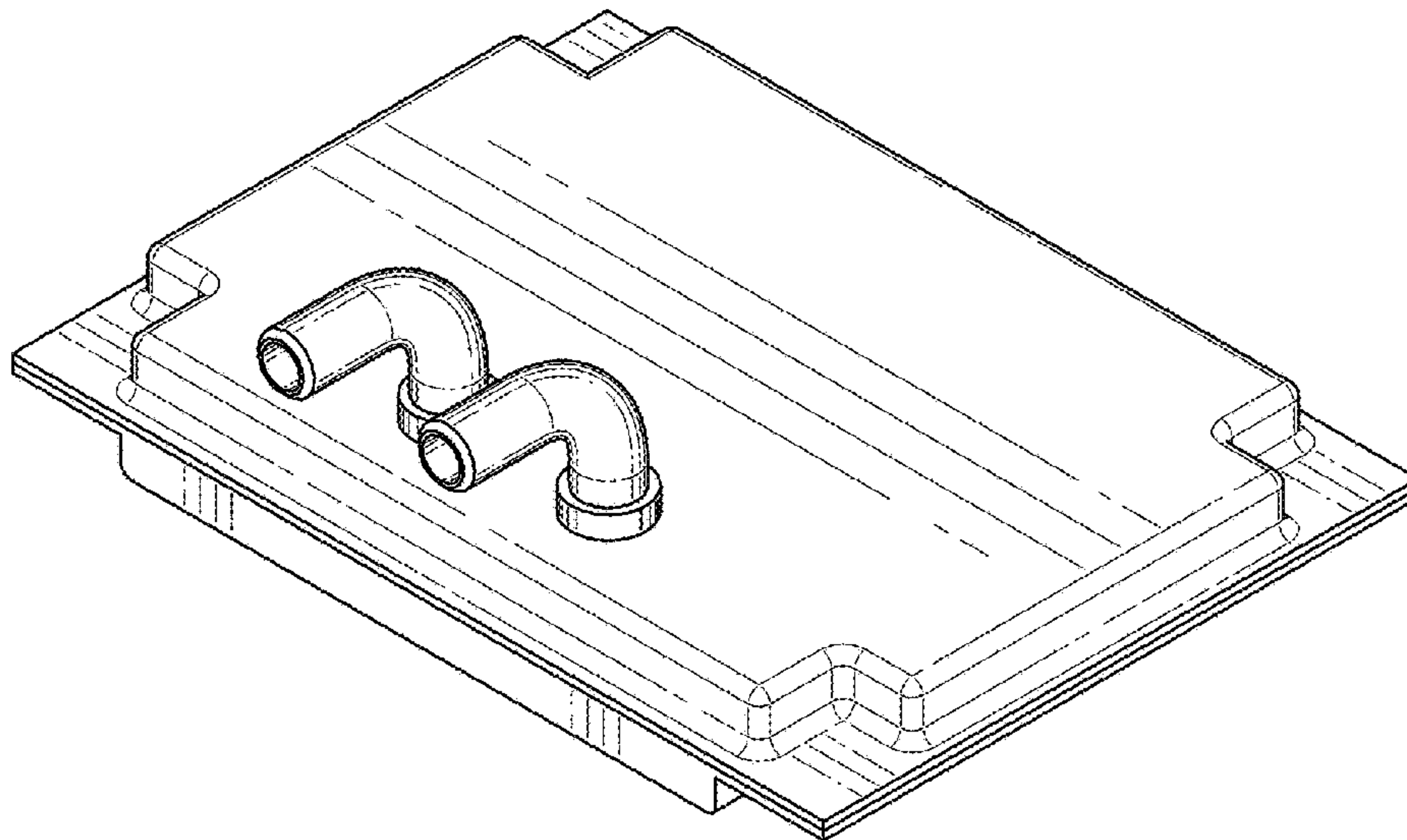
FIG. 6 is a front elevational view thereof;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view thereof.

The broken lines illustrate portions of the combined liquid
cooling cold plate and vapor chamber and form no part of
the claimed design.

1 Claim, 8 Drawing Sheets



(56)

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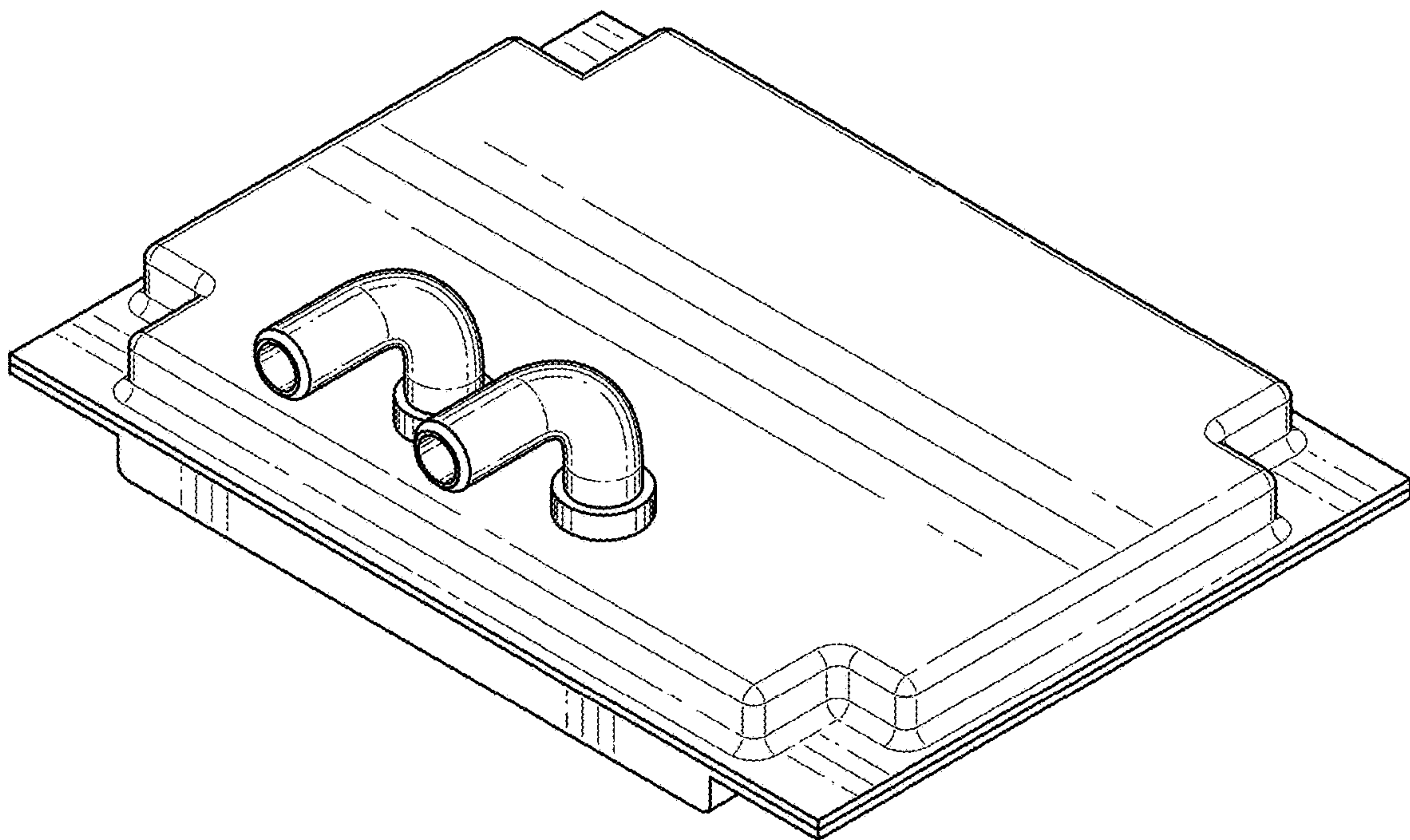


FIG. 1

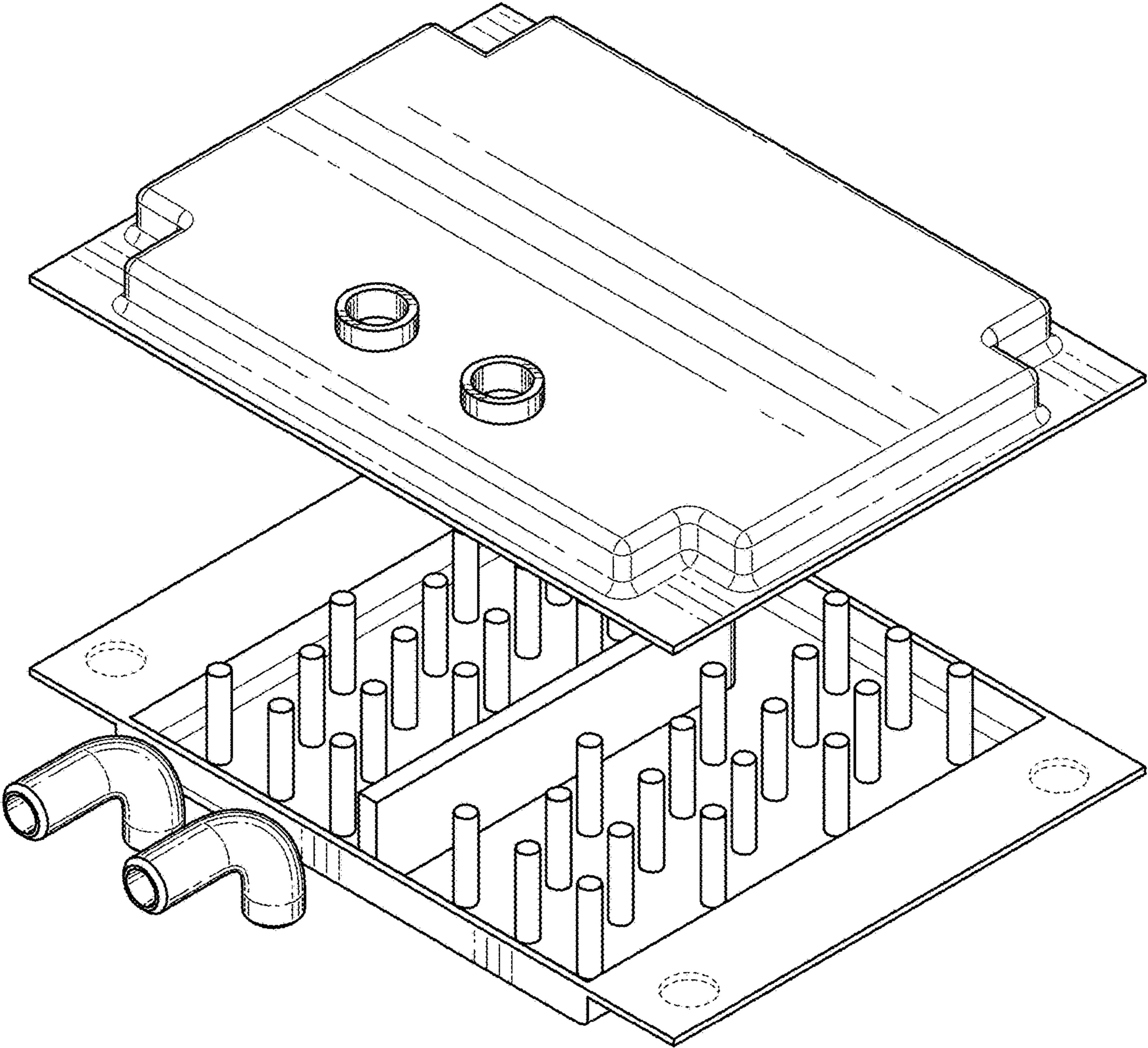


FIG. 2

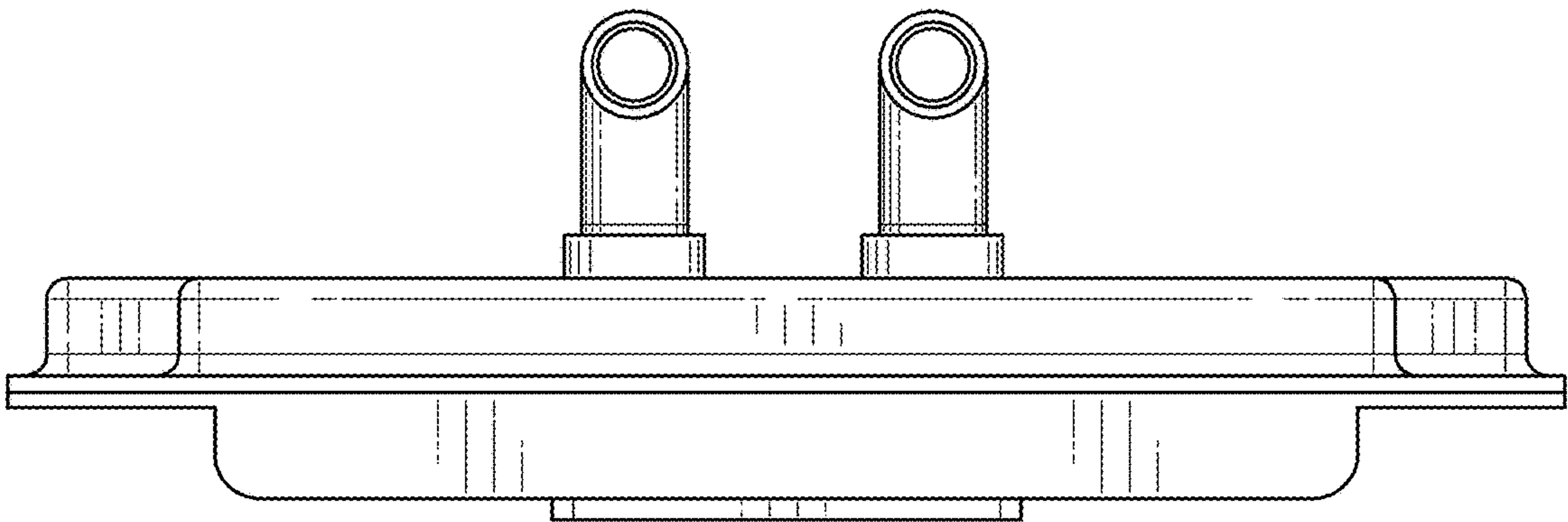


FIG. 3

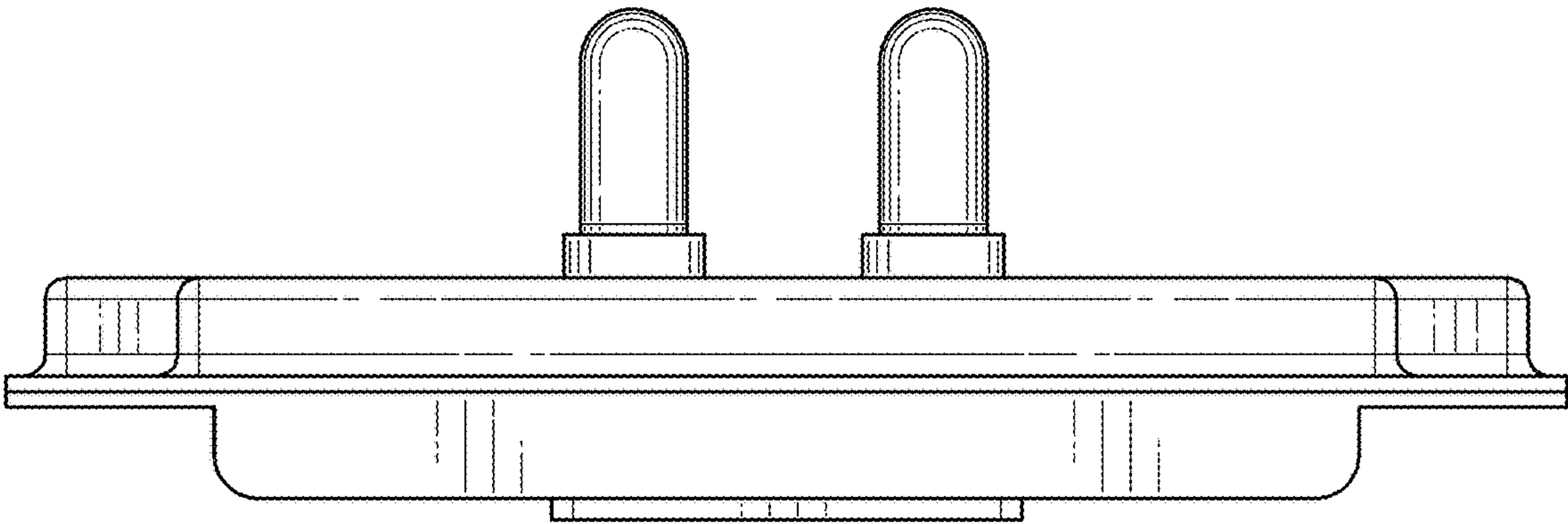


FIG. 4

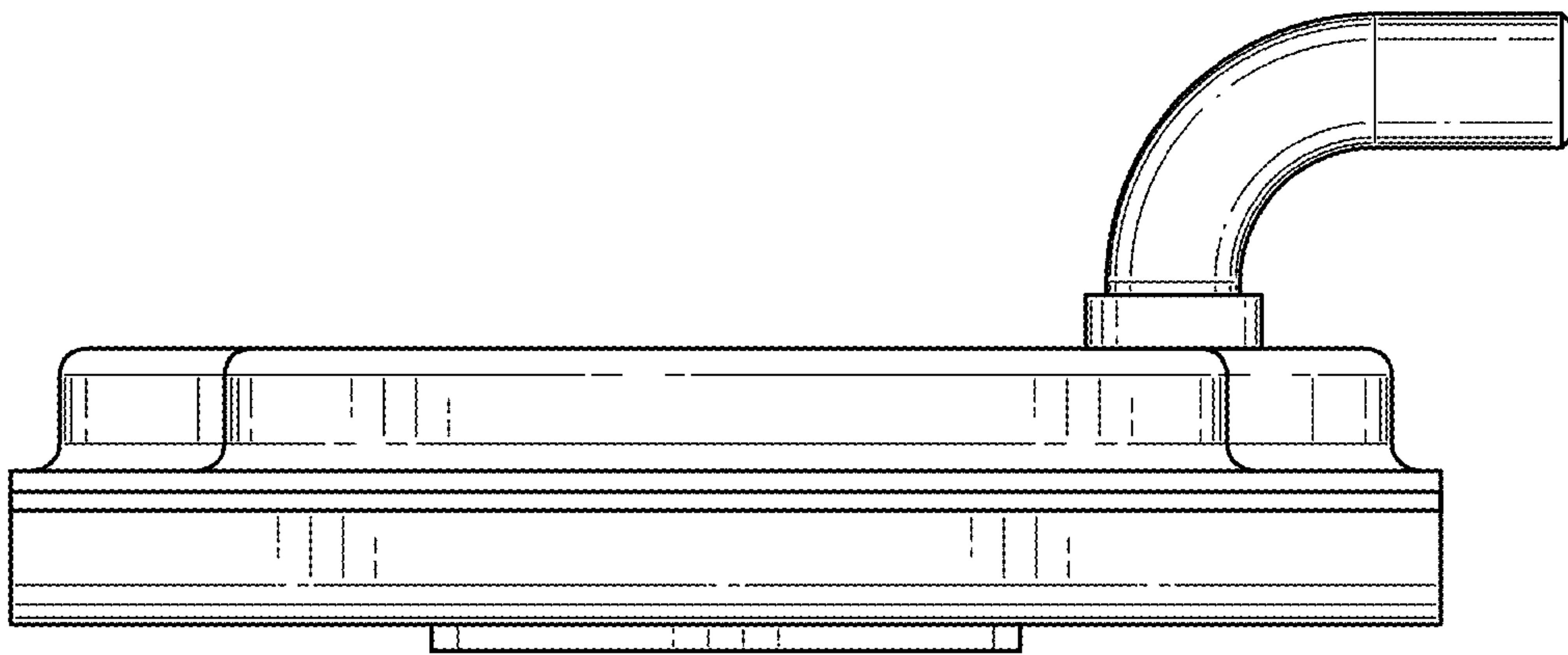


FIG. 5

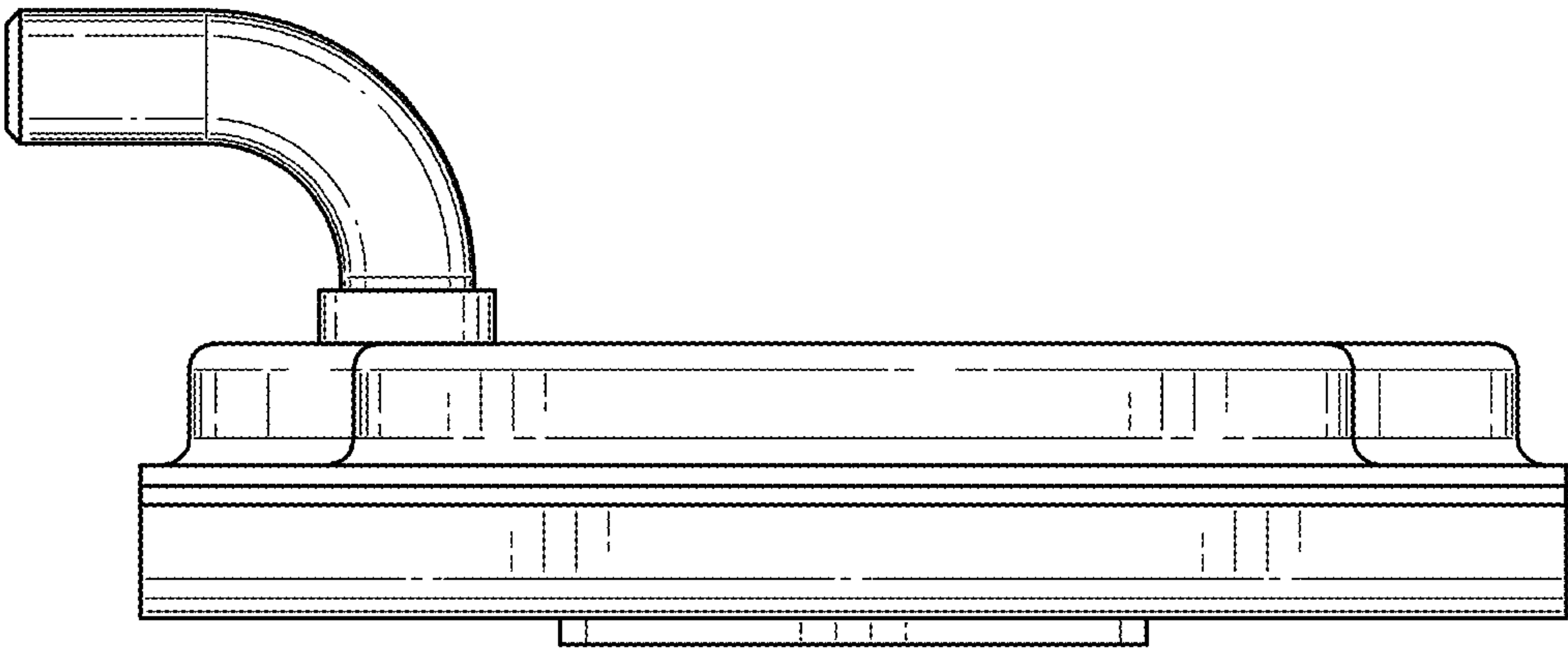


FIG. 6

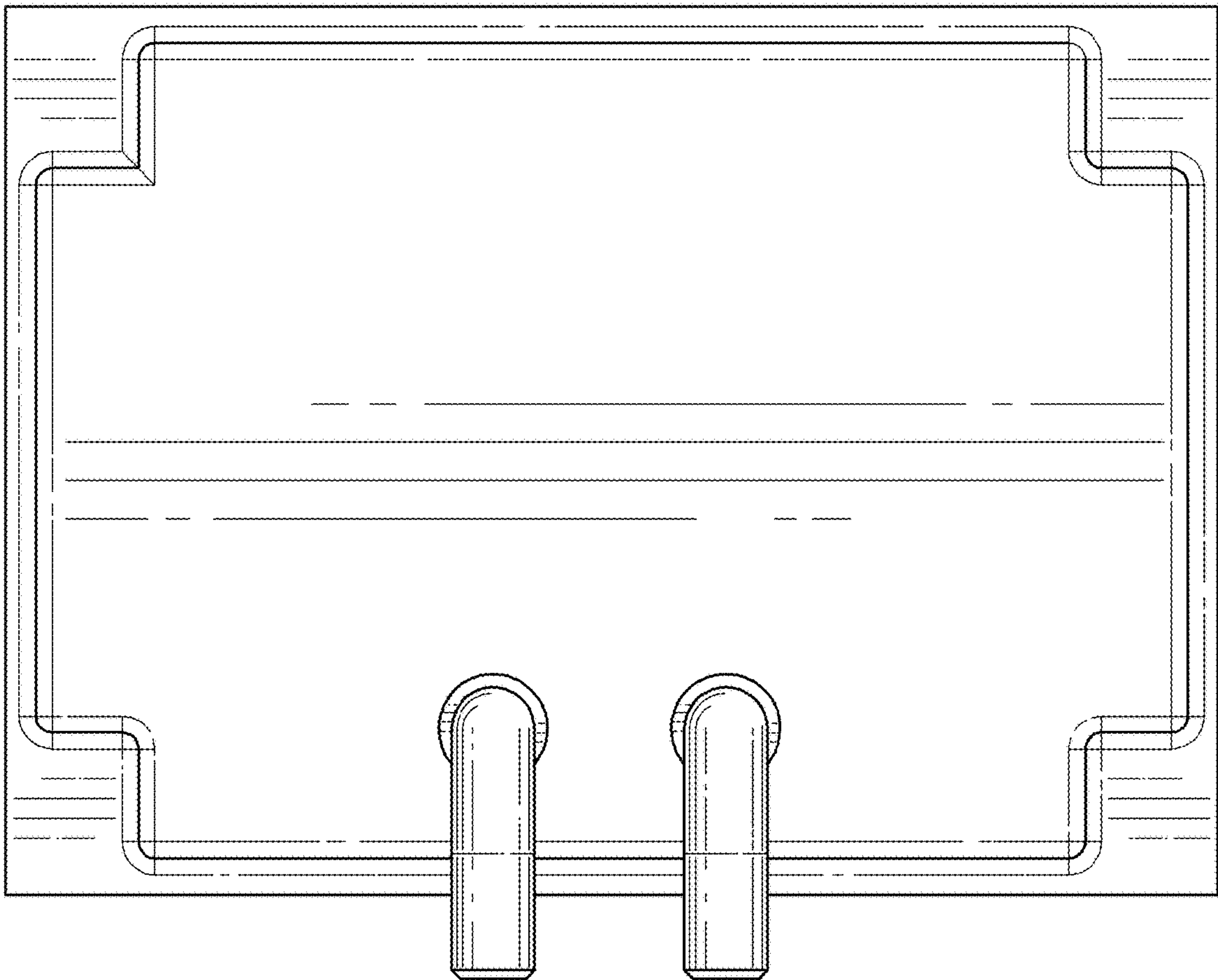


FIG. 7

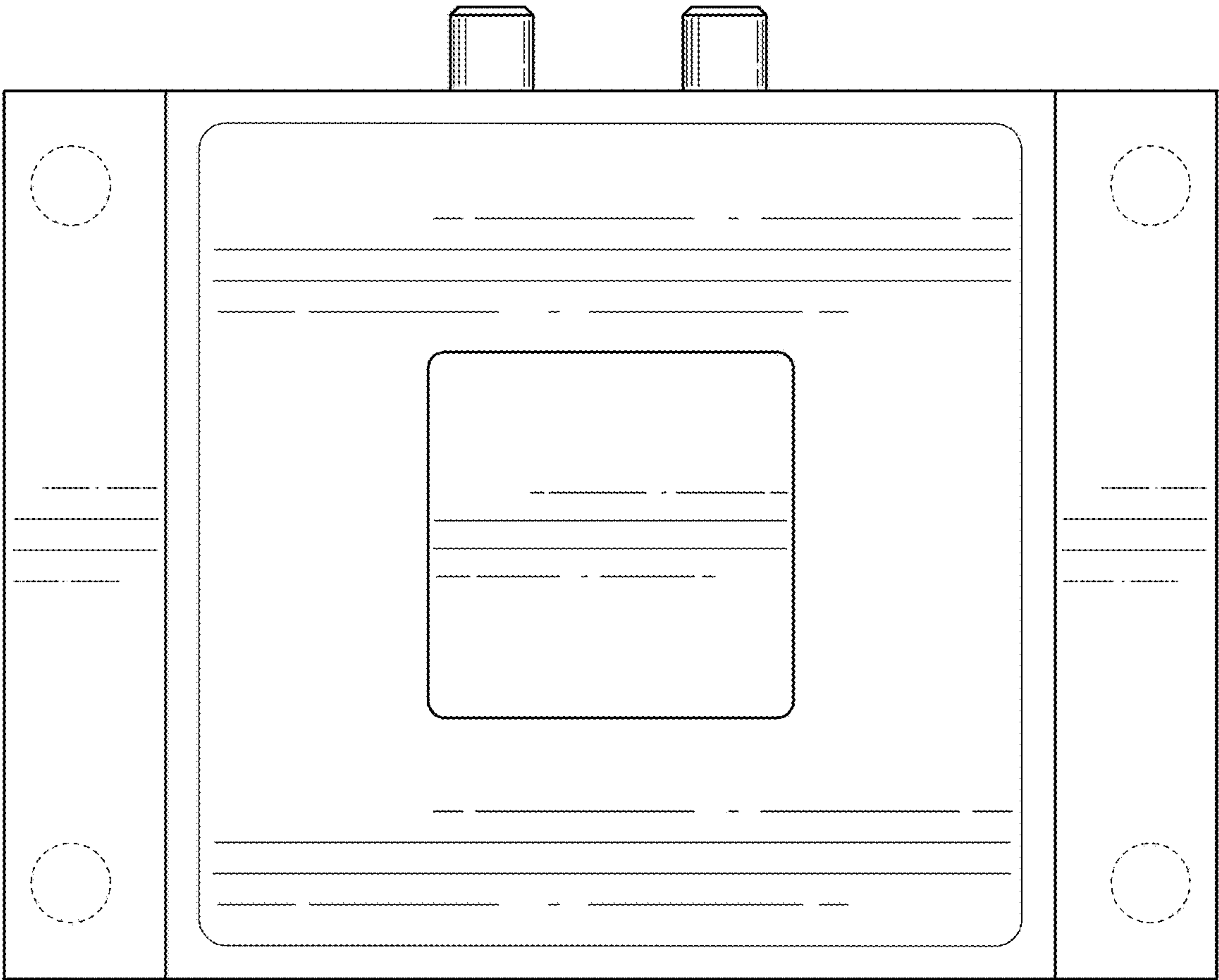


FIG. 8