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(12) **United States Design Patent**
Hu

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(45) **Date of Patent: ** Jan. 31, 2023**

(54) **BROADBAND DUAL-POLARIZATION HORN ANTENNA**

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(**) Term: **15 Years**
(21) Appl. No.: **29/769,591**
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(51) **LOC (14) Cl.** **14-03**
(52) **U.S. Cl.**
USPC **D14/230**
(58) **Field of Classification Search**
USPC D14/230, 232–239, 343; D13/173, 182, D13/184, 199, 101, 117, 18, 154, 155
CPC .. G01S 13/4409; G01S 13/4481; H01P 1/161; H01Q 13/0208; H01Q 13/10; H01Q 13/00; H01Q 13/02; H01Q 13/0241; H01Q 19/13; H01Q 3/08
See application file for complete search history.

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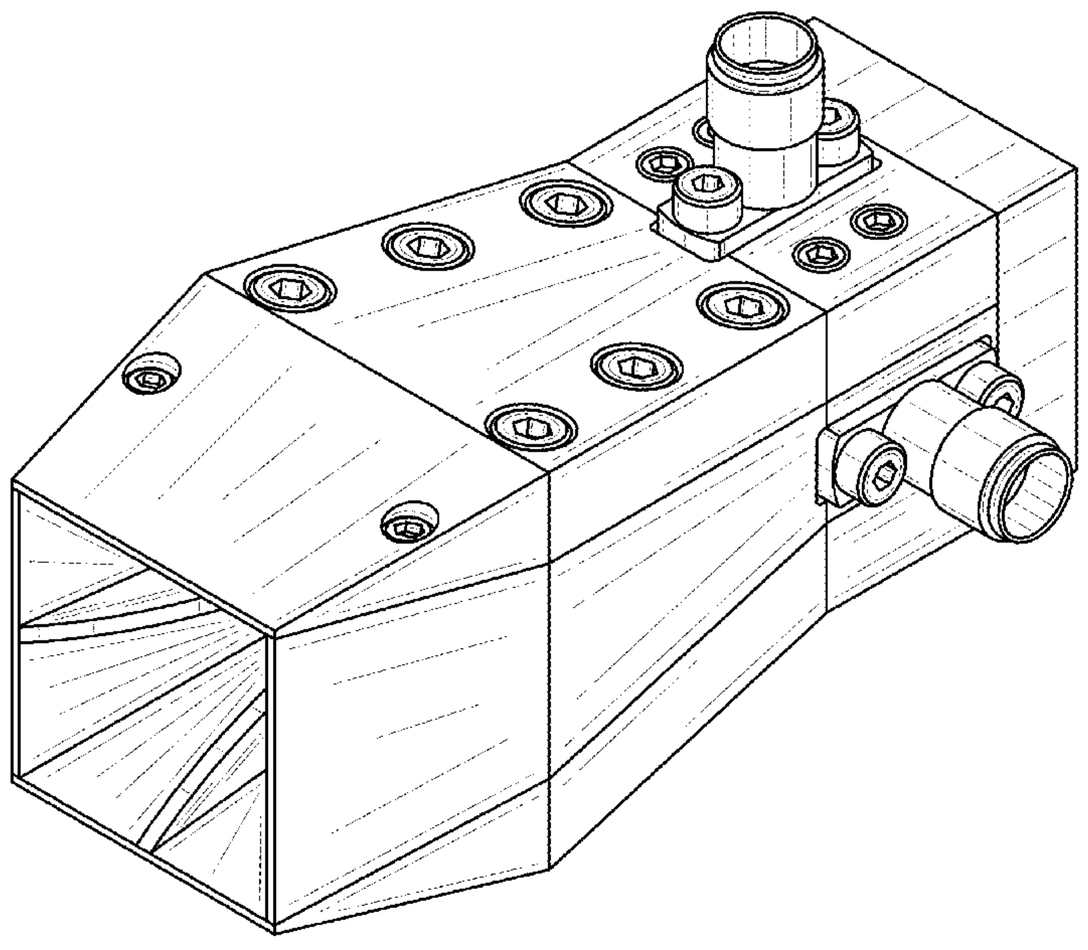
(57) **CLAIM**

The ornamental design for a broadband dual-polarization horn antenna, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a broadband dual-polarization horn antenna design showing my new design.
FIG. **2** is a front view of a broadband dual-polarization horn antenna.
FIG. **3** is a rear view of a broadband dual-polarization horn antenna.
FIG. **4** is a left side view of a broadband dual-polarization horn antenna.
FIG. **5** is a right side view of a broadband dual-polarization horn antenna.
FIG. **6** is a top view of a broadband dual-polarization horn antenna; and,
FIG. **7** is a bottom view of a broadband dual-polarization horn antenna.
Any shading and cross-hatching are not features of the design but are utilized to illustrate the surface contours of the broadband dual-polarization horn antenna design in the drawings.
The broken lines depict portions of the broadband dual-polarization horn antenna that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



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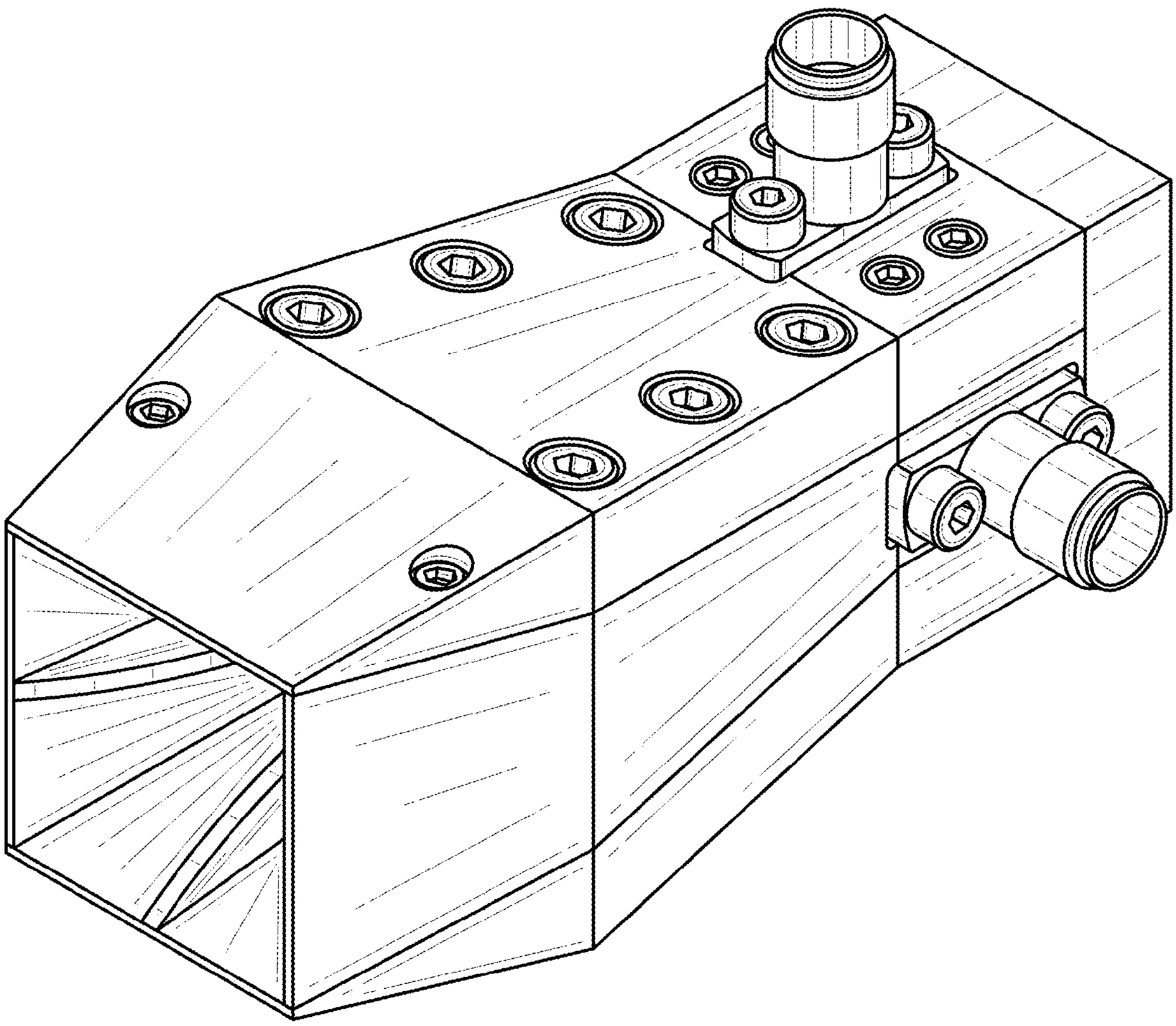

FIG. 1

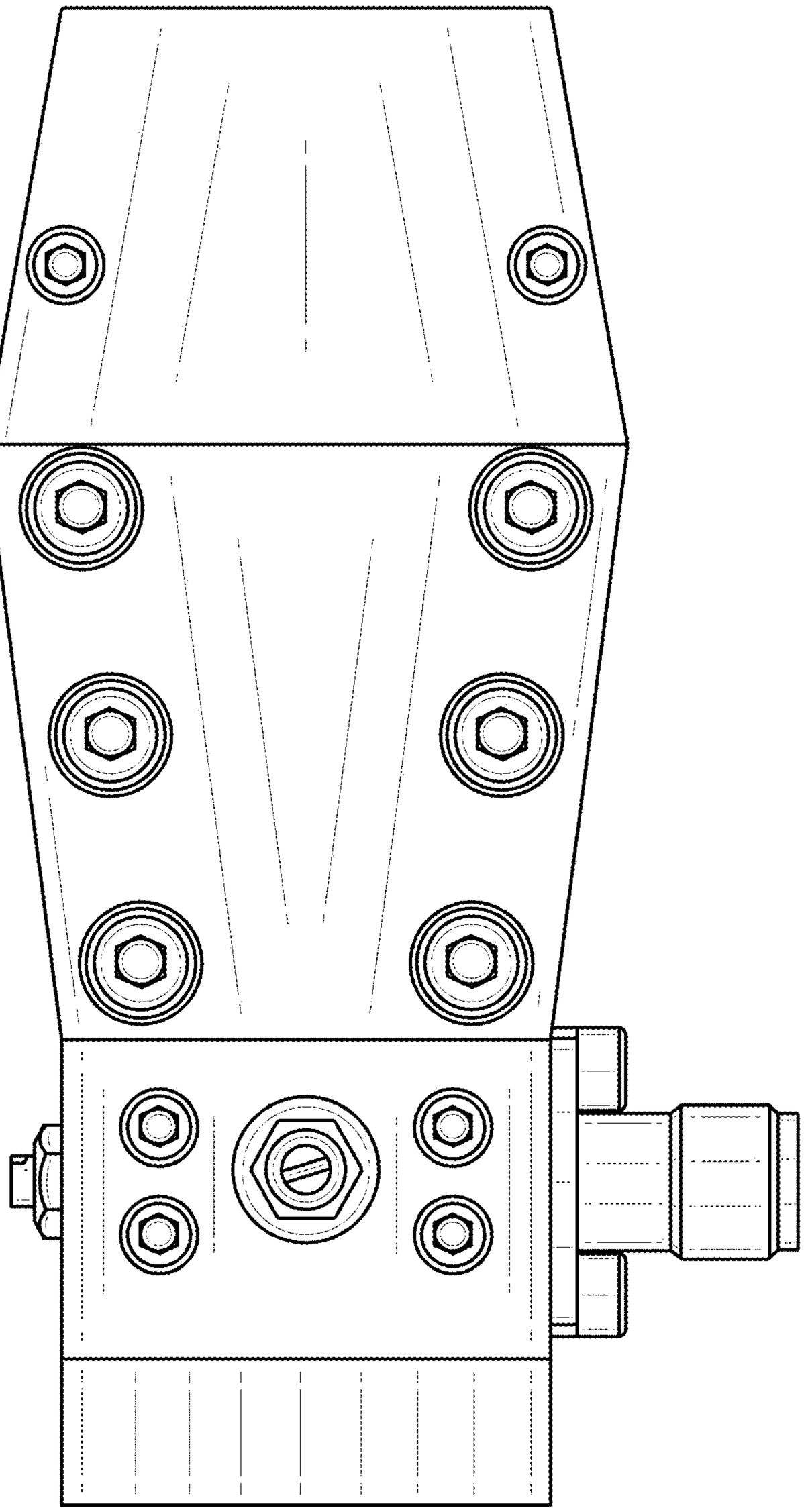

FIG. 2

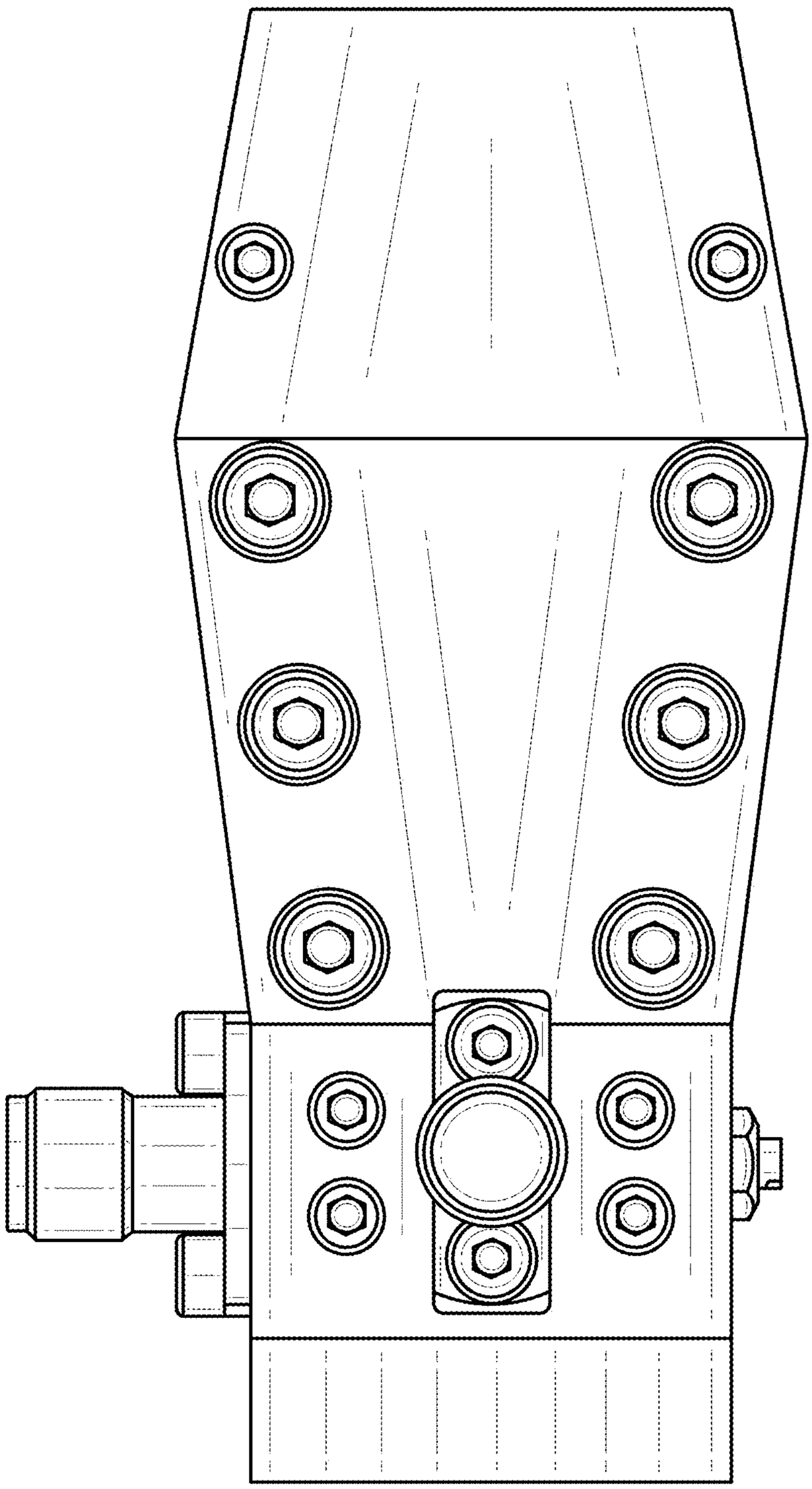

FIG. 3

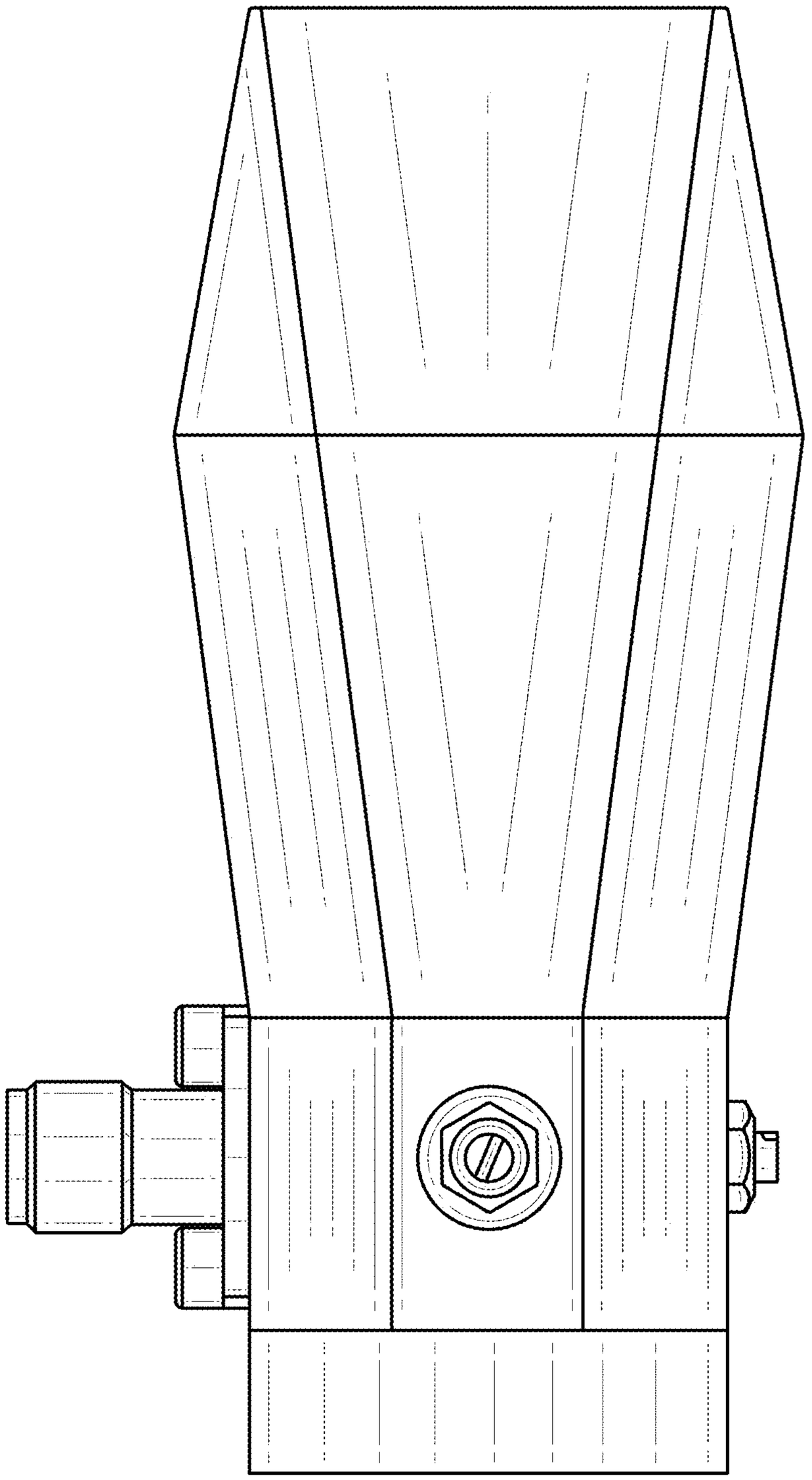

FIG. 4

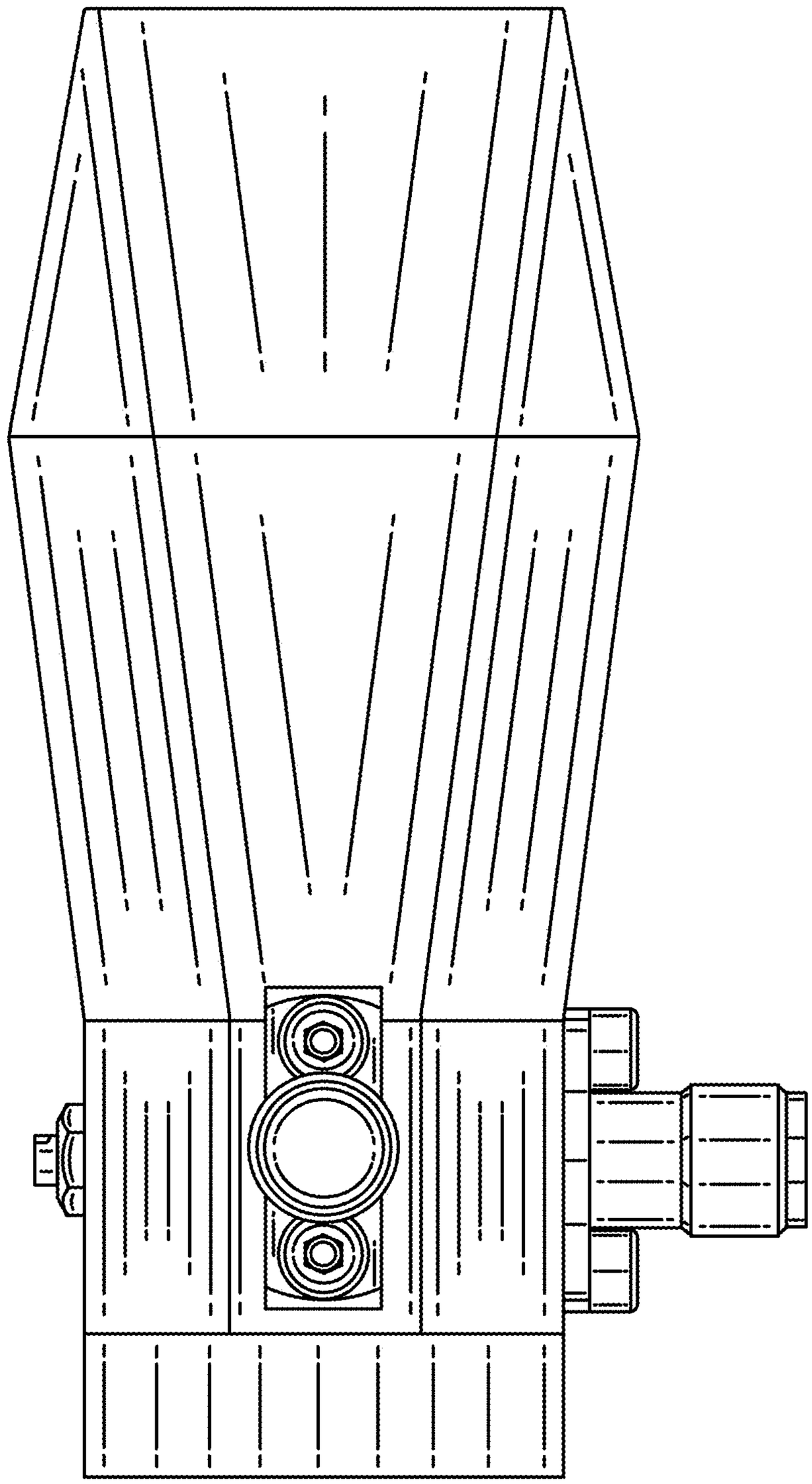

FIG. 5

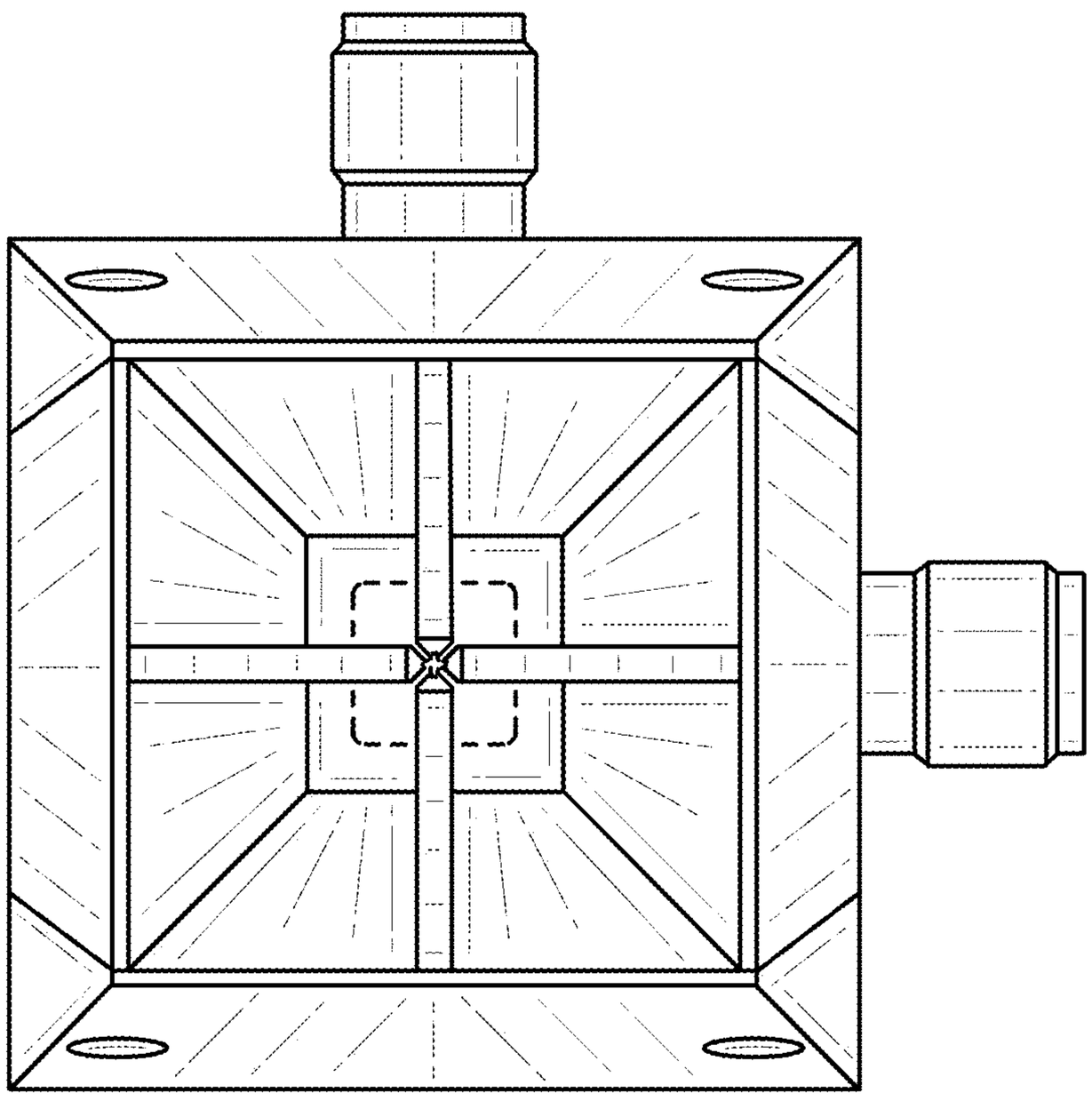

FIG. 6

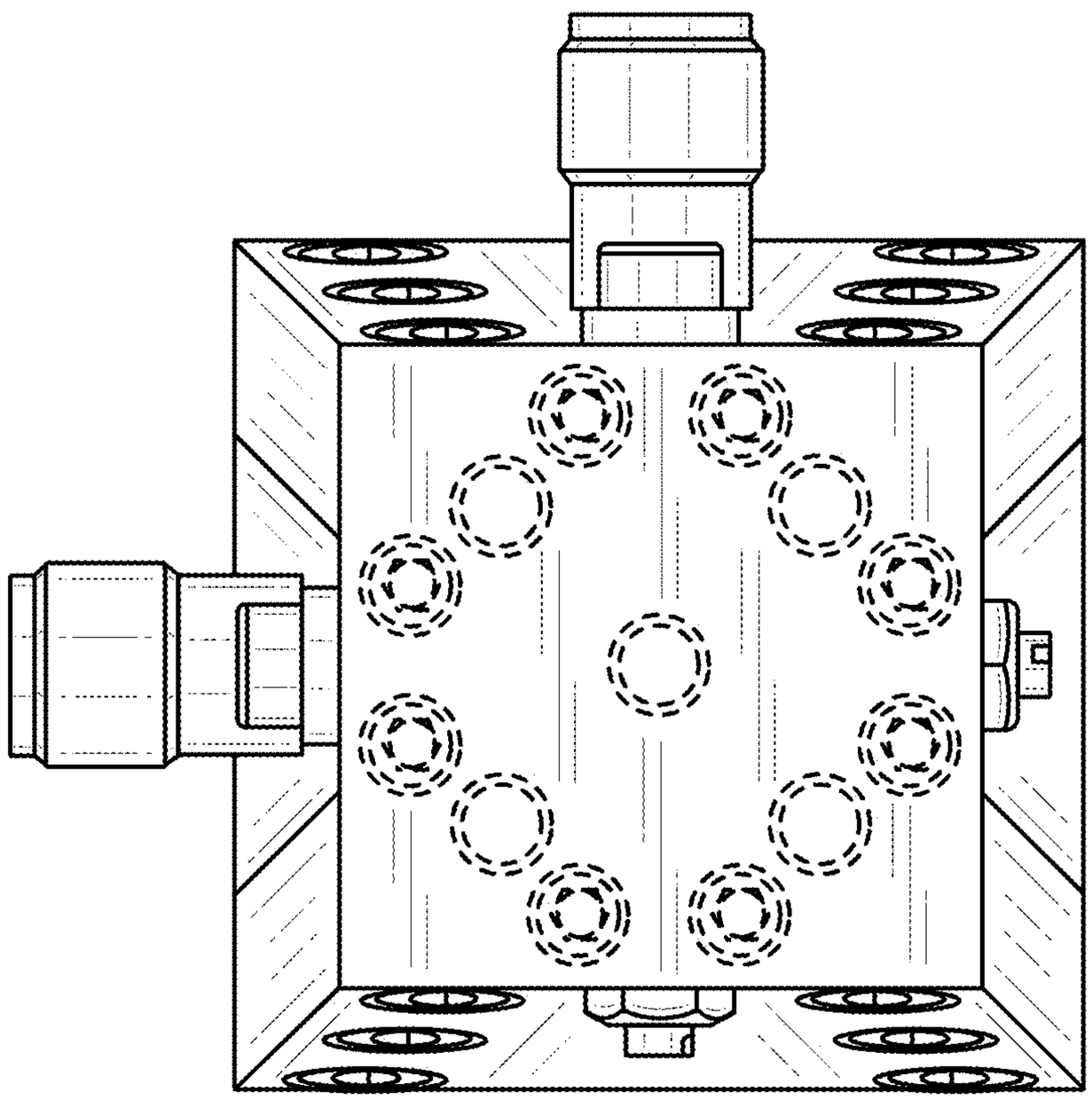

FIG. 7