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

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(45) **Date of Patent:** **** Apr. 15, 2014**

(54) **FLUID-MIXING DEVICE FOR A CATALYTIC CONVERTER**

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* cited by examiner

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

(21) Appl. No.: **29/466,881**

(57) **CLAIM**

We claim the ornamental design for a fluid-mixing device for a catalytic converter, as shown and described.

(22) Filed: **Sep. 12, 2013**

(30) **Foreign Application Priority Data**

DESCRIPTION

Jun. 18, 2013 (JP) 2013-013691

(51) **LOC (10) Cl.** **15-01**

(52) **U.S. Cl.**
USPC **D15/5**

(58) **Field of Classification Search**
USPC D15/1-5; 422/179, 177, 211, 213;
136/253; 60/302, 299, 229; D12/400,
D12/194

See application file for complete search history.

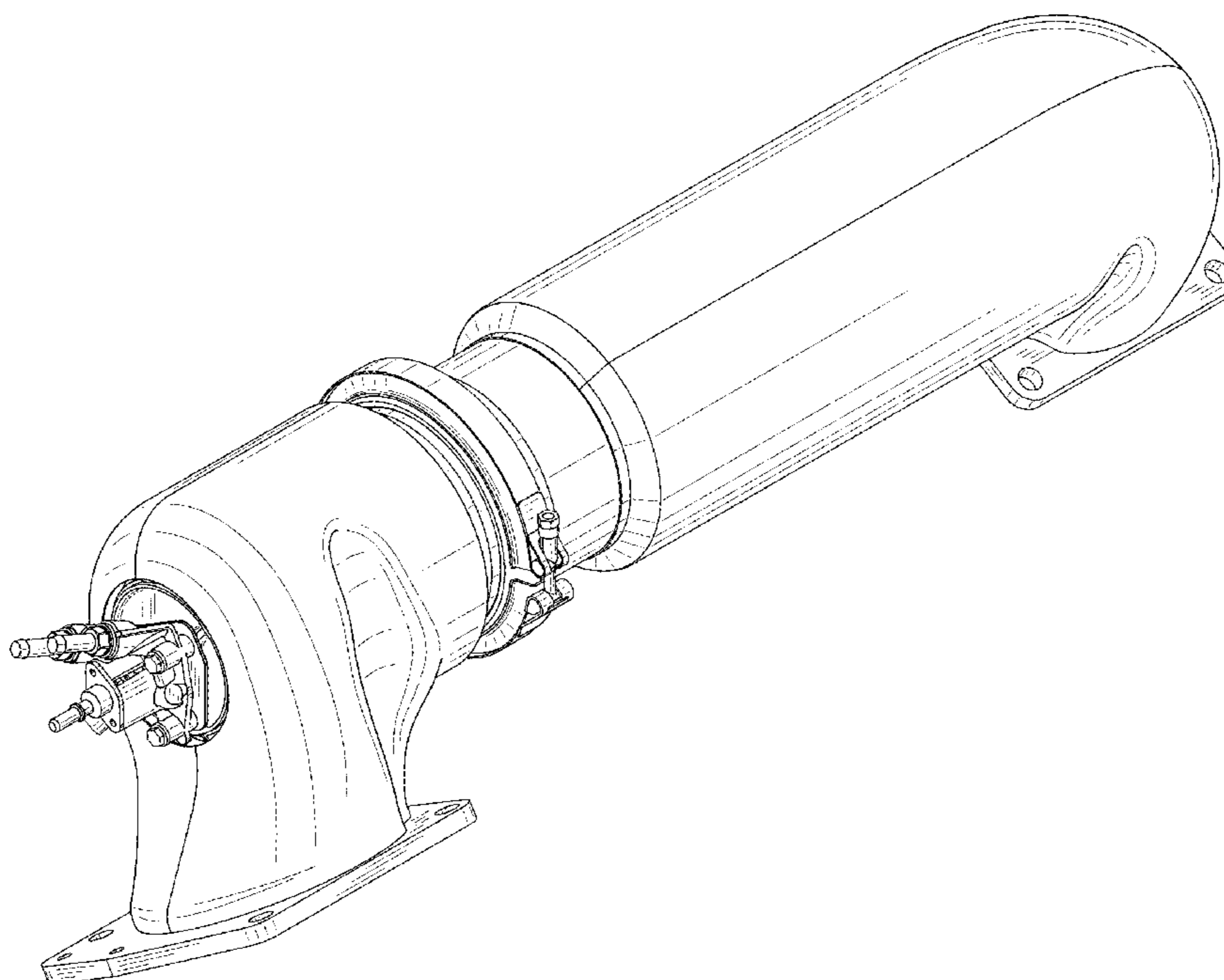
FIG. 1 is a front perspective view of a fluid-mixing device for a catalytic converter showing our new design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a left side view thereof; and,
FIG. 9 is a perspective view showing the article in use.
The features shown in broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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1 Claim, 9 Drawing Sheets



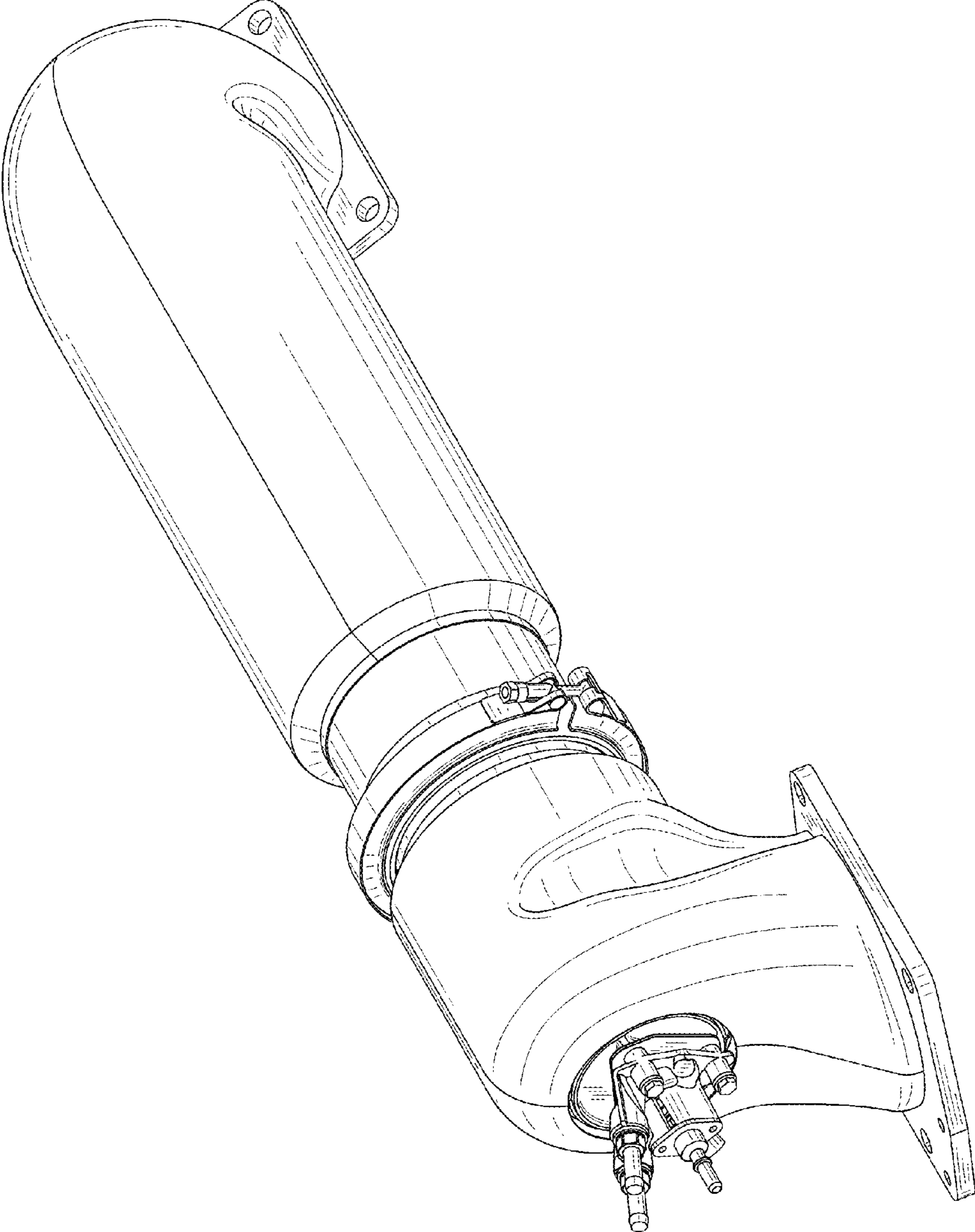


Fig. 1

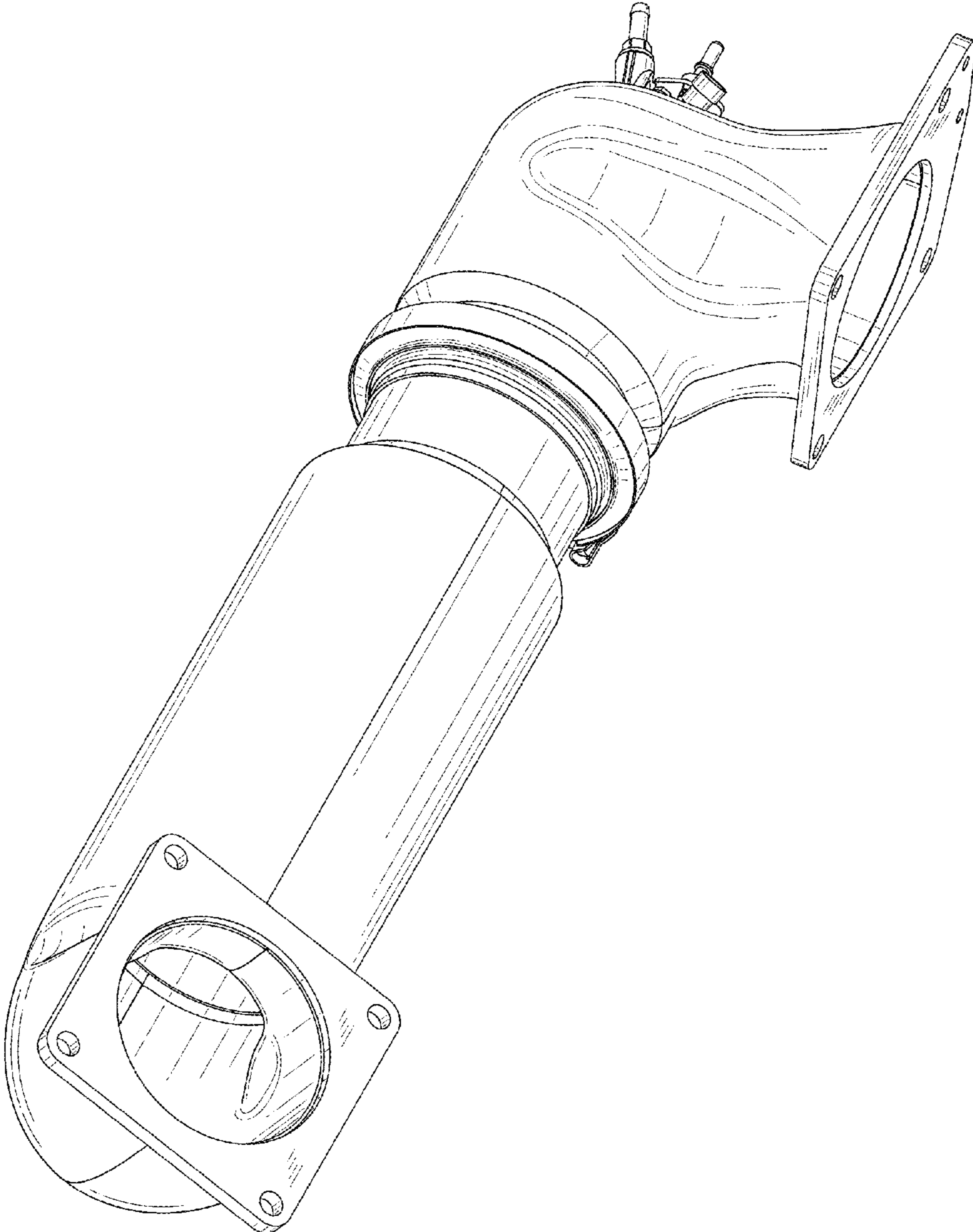


Fig. 2

Fig. 3

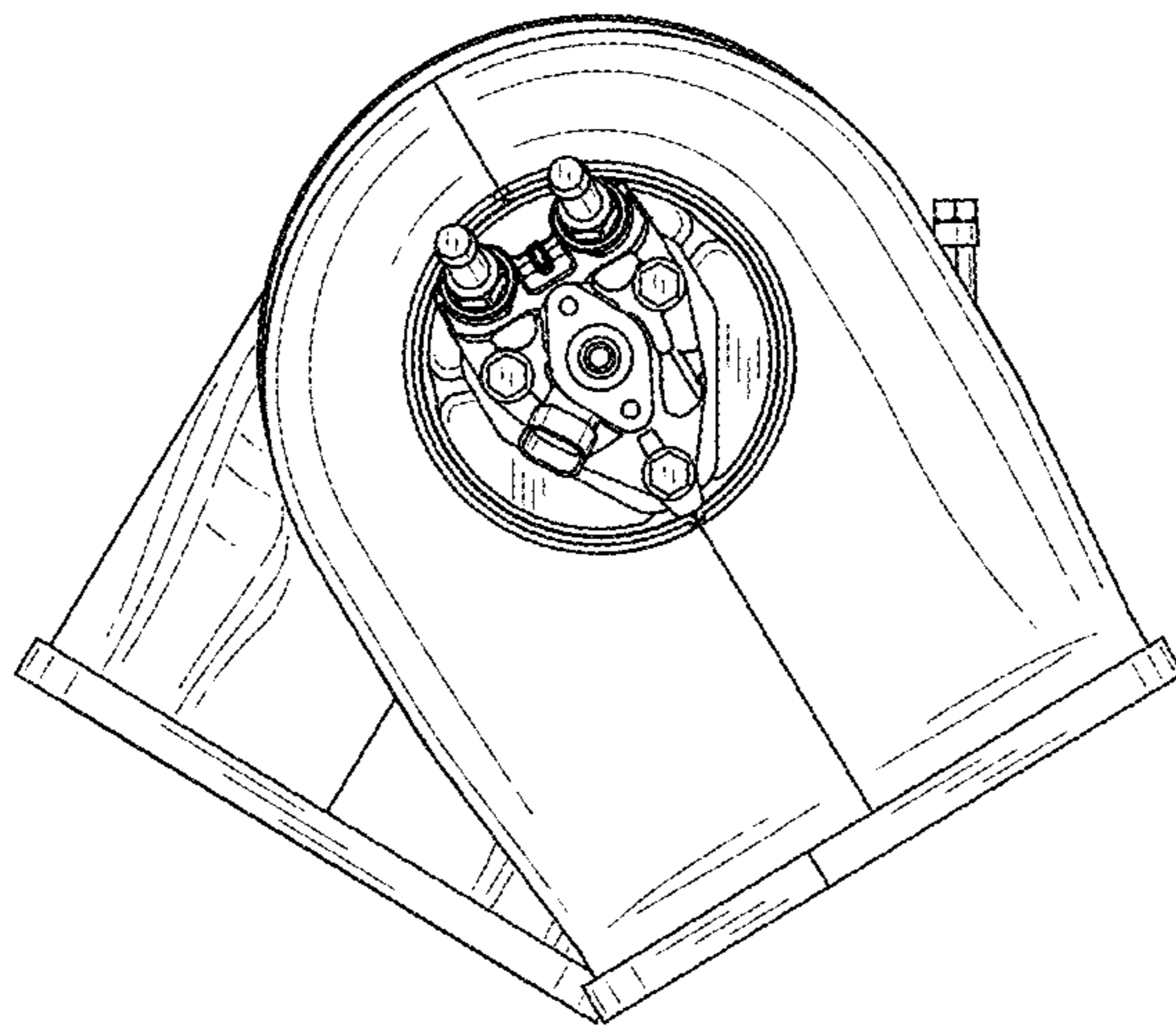


Fig. 4

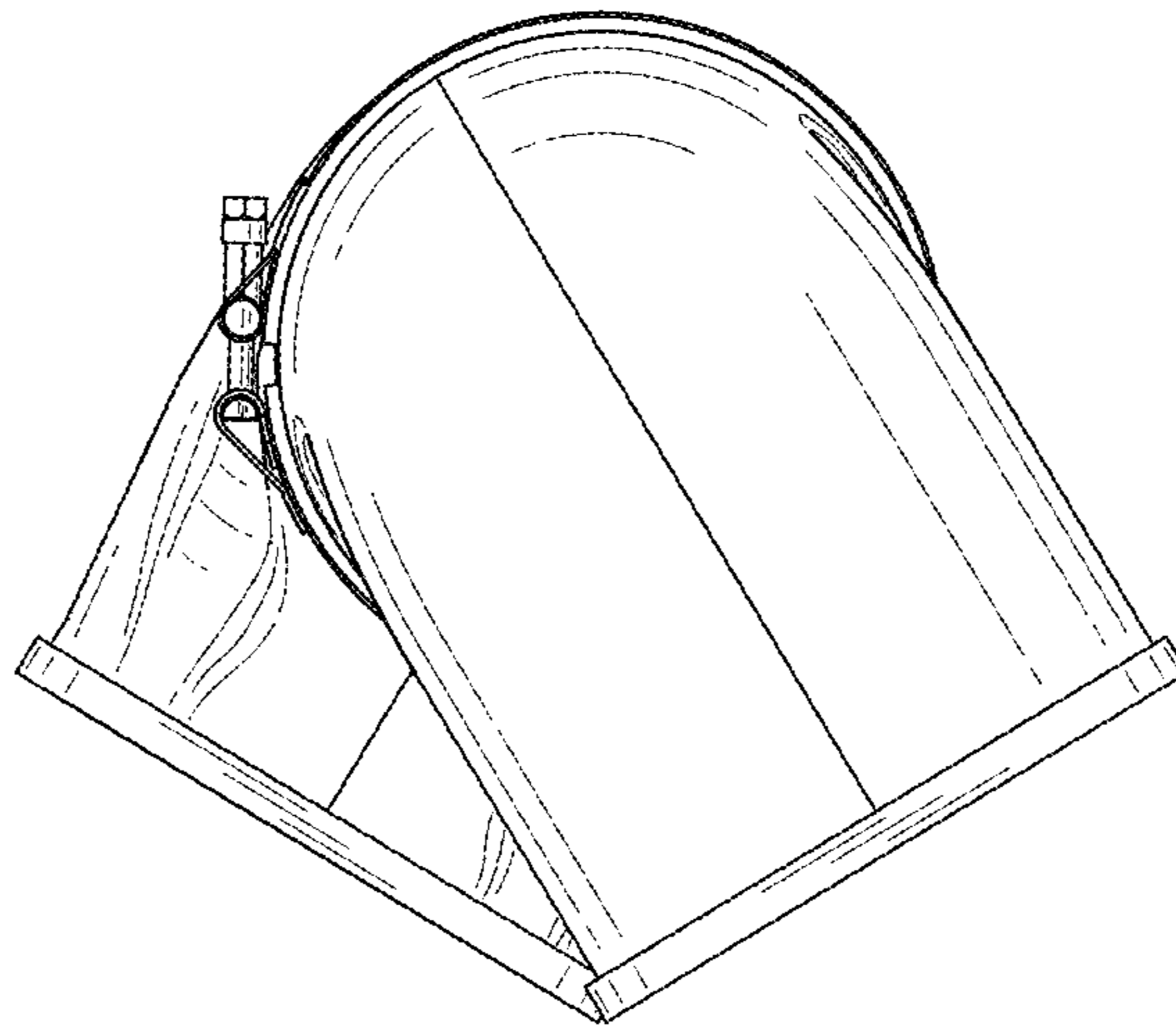


Fig. 5

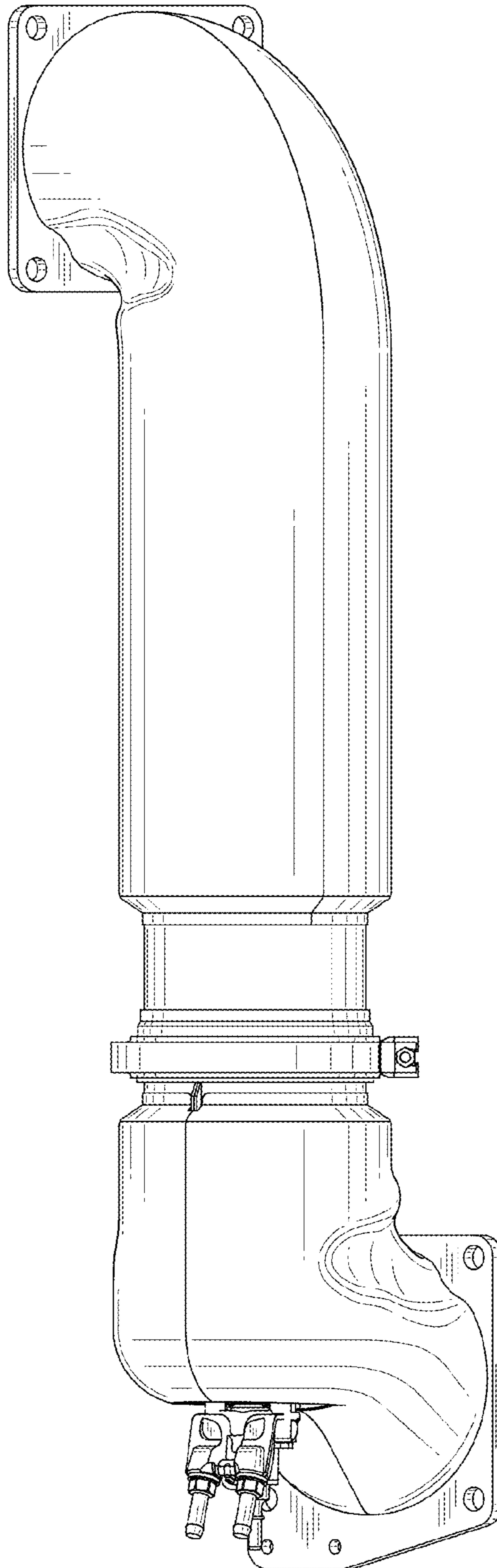
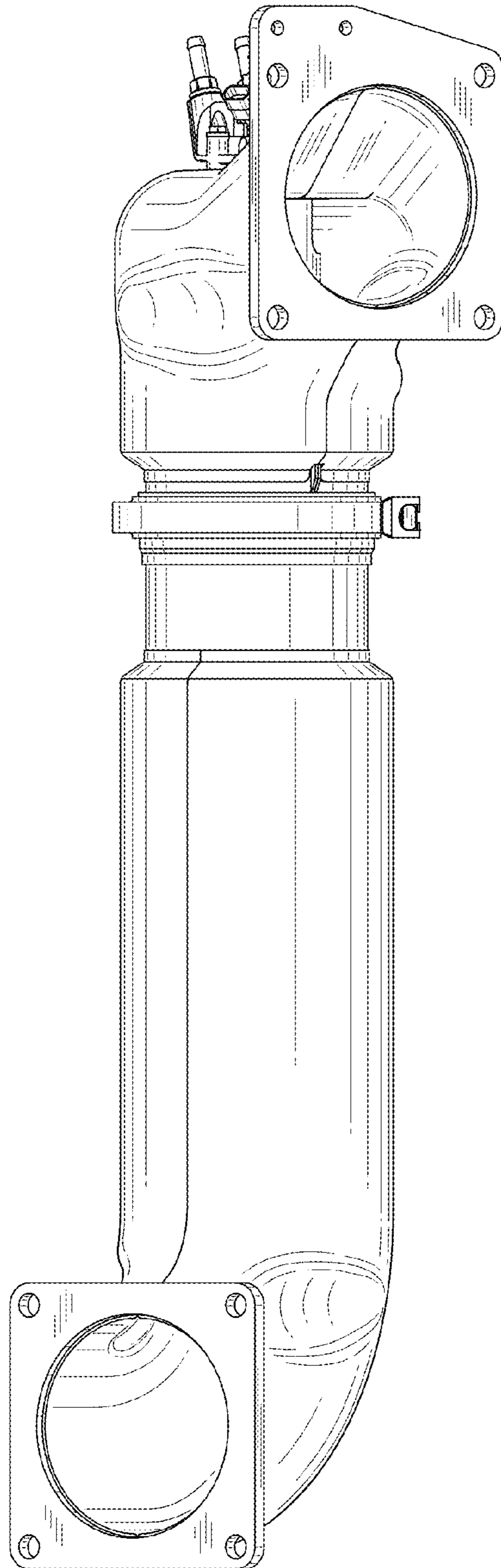


Fig. 6



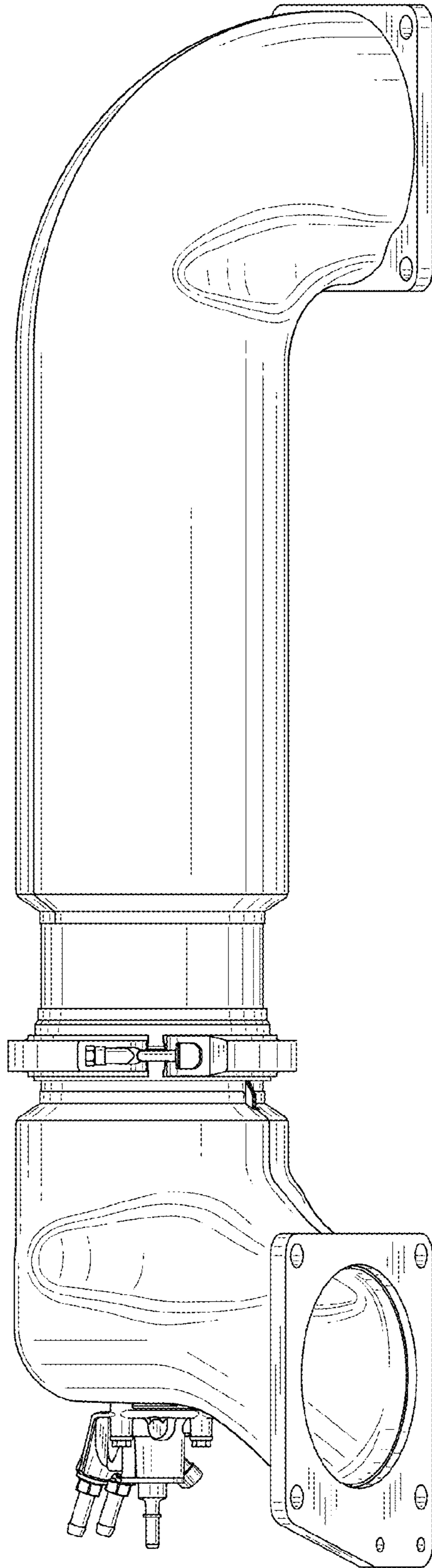


Fig. 7

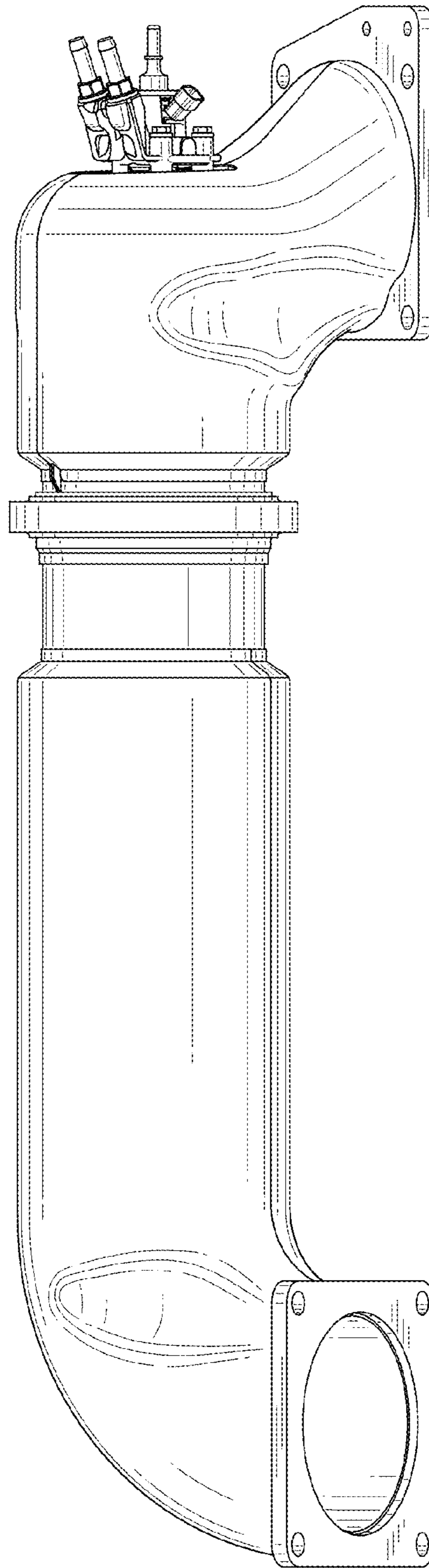


Fig. 8

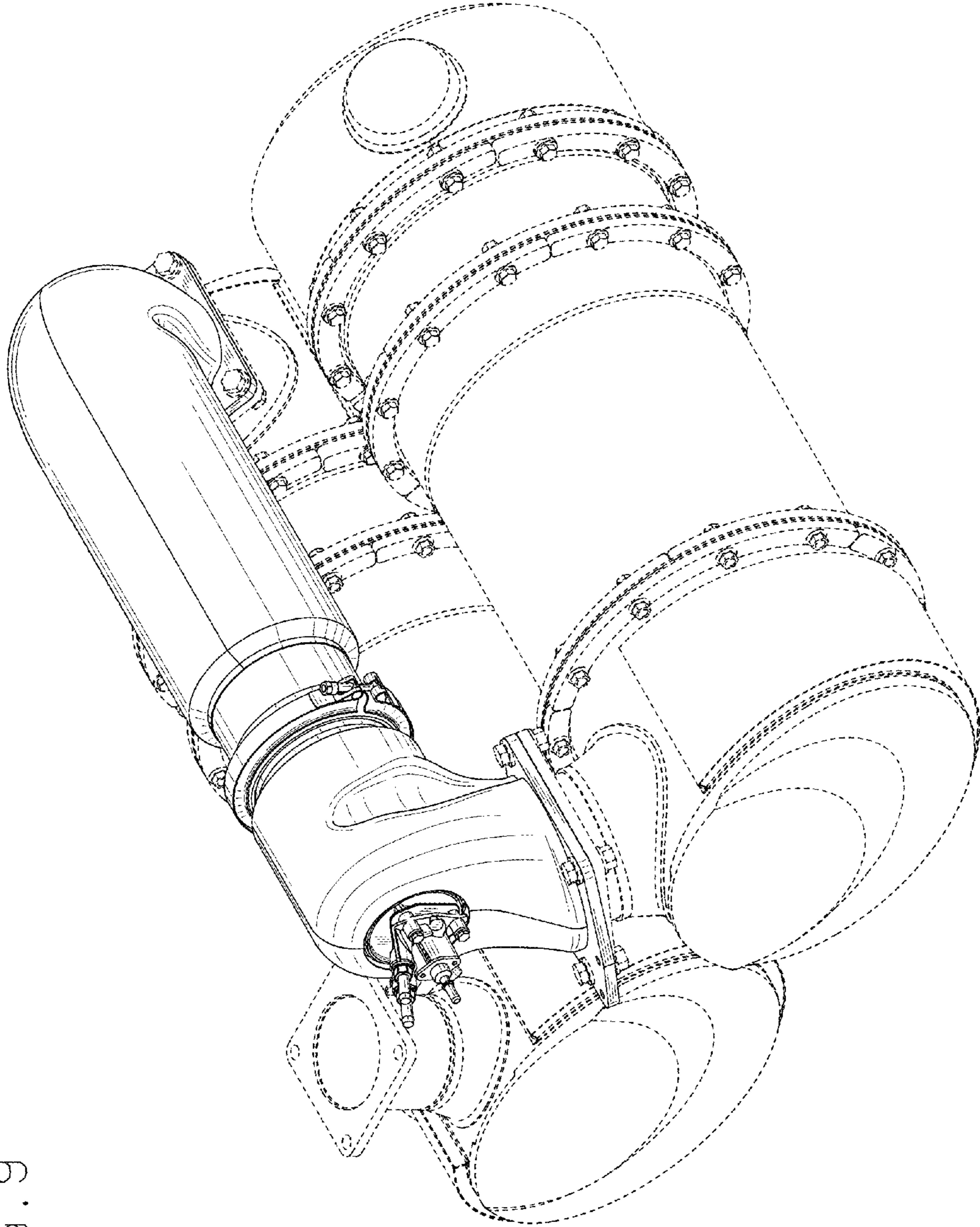


Fig. 9