



US00D810786S

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

(10) **Patent No.:** **US D810,786 S**
(45) **Date of Patent:** **** Feb. 20, 2018**

(54) **PARTICLE SEPARATOR FOR MOTOR VEHICLE ENGINE INTAKE**

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Berry Carter, Fontana, CA (US)

(73) Assignee: **S&B Filters, Inc.**, Fontana, CA (US)

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

(21) Appl. No.: **29/567,011**

(22) Filed: **Jun. 3, 2016**

(51) **LOC (11) Cl.** **15-01**

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

(58) **Field of Classification Search**
USPC D15/5, 1; D23/365
CPC B01D 45/16; B01D 50/002; F02M 35/02;
F02M 35/022; F02M 35/10262; F02M
35/0223; F02M 35/10013; F02M
35/0215; F02M 35/088; F02M 35/10301;
F02M 35/10019; F02B 27/00; Y02T
10/146

See application file for complete search history.

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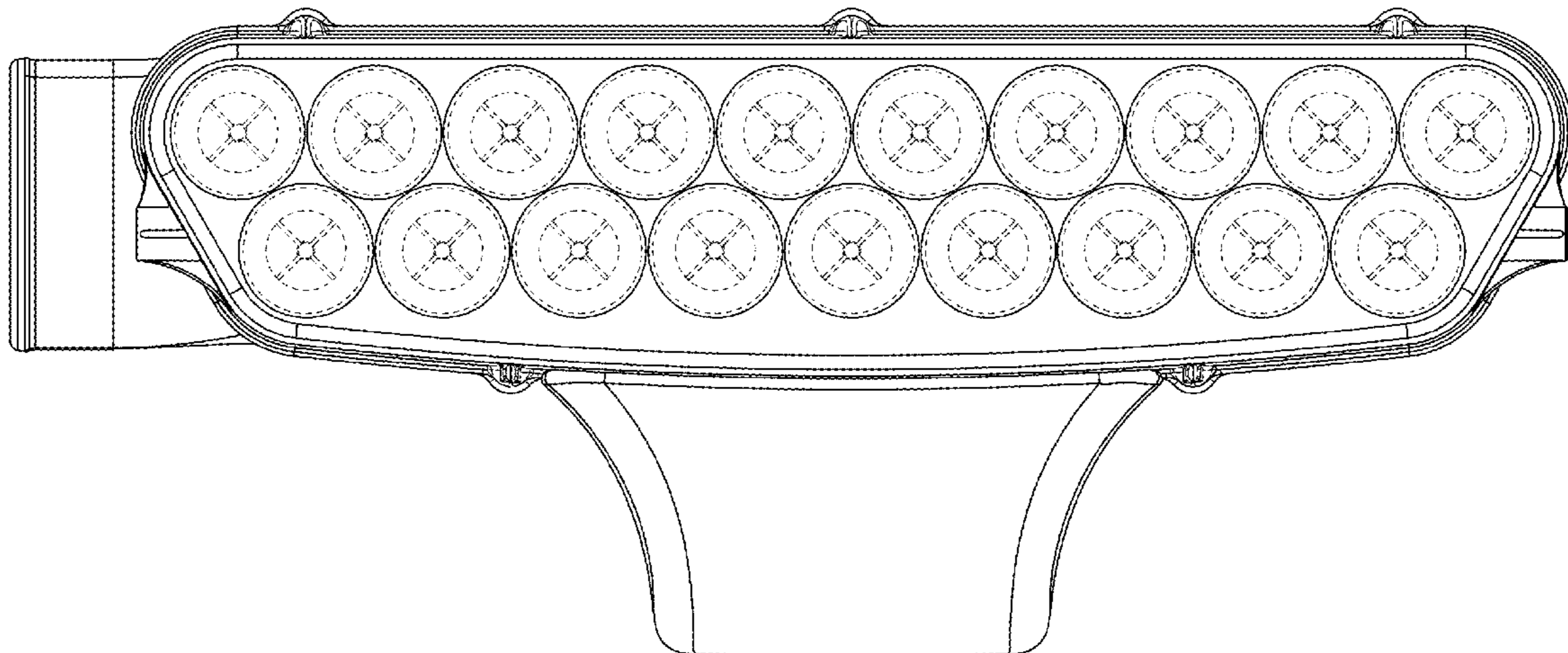
(57) **CLAIM**

The ornamental design for a particle separator for a motor vehicle engine intake, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a particle separator looking into a plurality of air inlets on the front;
FIG. 2 is a top view of the particle separator of FIG. 1;
FIG. 3 is a left side view of the particle separator of FIG. 1 looking into a circular air outlet opening;
FIG. 4 is a right side view of the particle separator of FIG. 1;
FIG. 5 is a bottom view of the particle separator of FIG. 1;
FIG. 6 is a back view of the particle separator of FIG. 1 looking into a rectangular debris outlet opening;
FIG. 7 is a top perspective view of the left side and front of the particle separator of FIG. 1;
FIG. 8 is a bottom perspective of the left side and front of the particle separator of FIG. 1;
FIG. 9 is a top perspective view of the right side and front of the particle separator of FIG. 1;
FIG. 10 is a bottom perspective view of right side and front of the particle separator of FIG. 1;
FIG. 11 is a top perspective view of the right side and back of the particle separator of FIG. 1;
FIG. 12 is a bottom perspective view of the right side and back of the particle separator of FIG. 1;
FIG. 13 is a top perspective view of the left side and back of the particle separator of FIG. 1; and,
FIG. 14 is a bottom perspective view of the left side and back of the particle separator of FIG. 1.
The broken lines in FIGS. 1 and 7-10 represent the bounds of the claimed design while the broken lines of FIG. 12 are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design.

1 Claim, 13 Drawing Sheets



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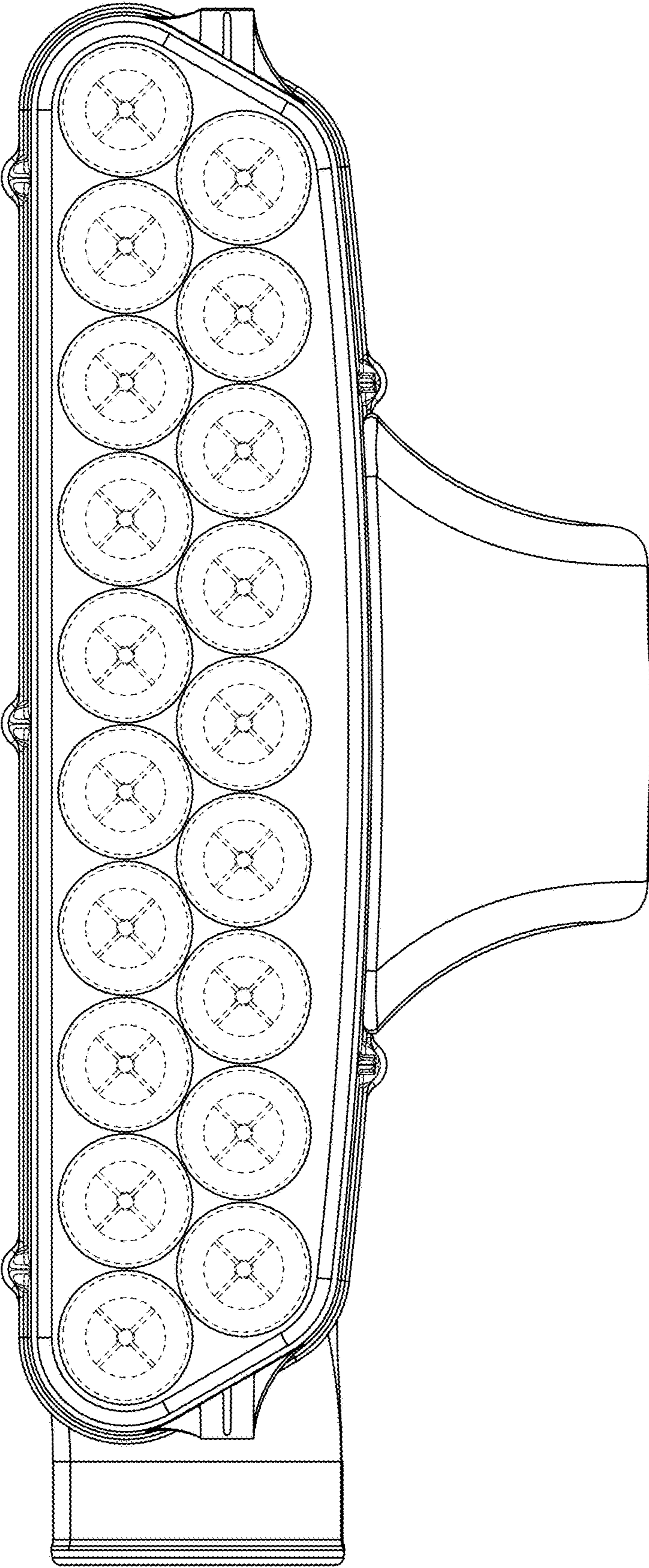


FIG. 1

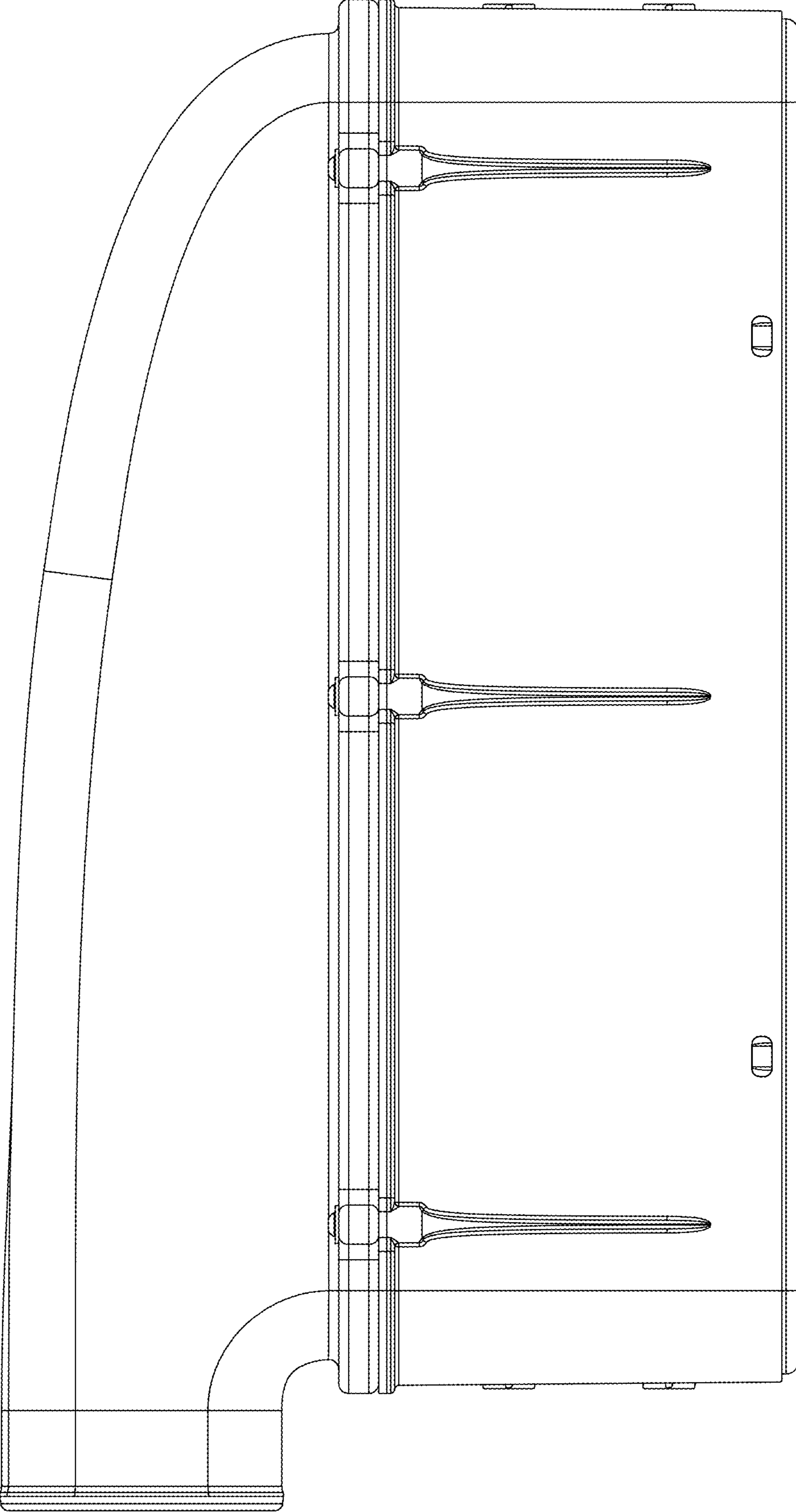


FIG. 2

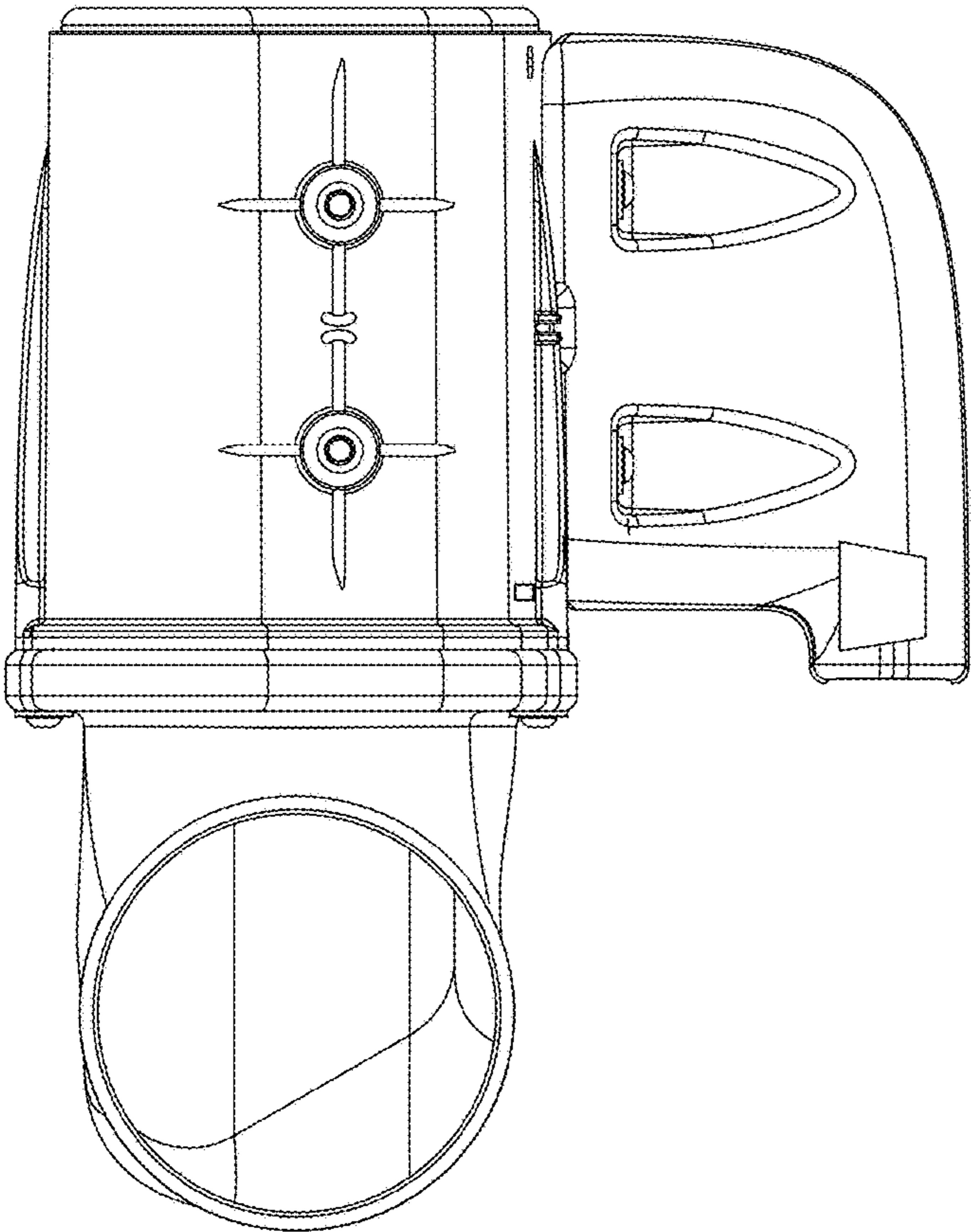


FIG. 3

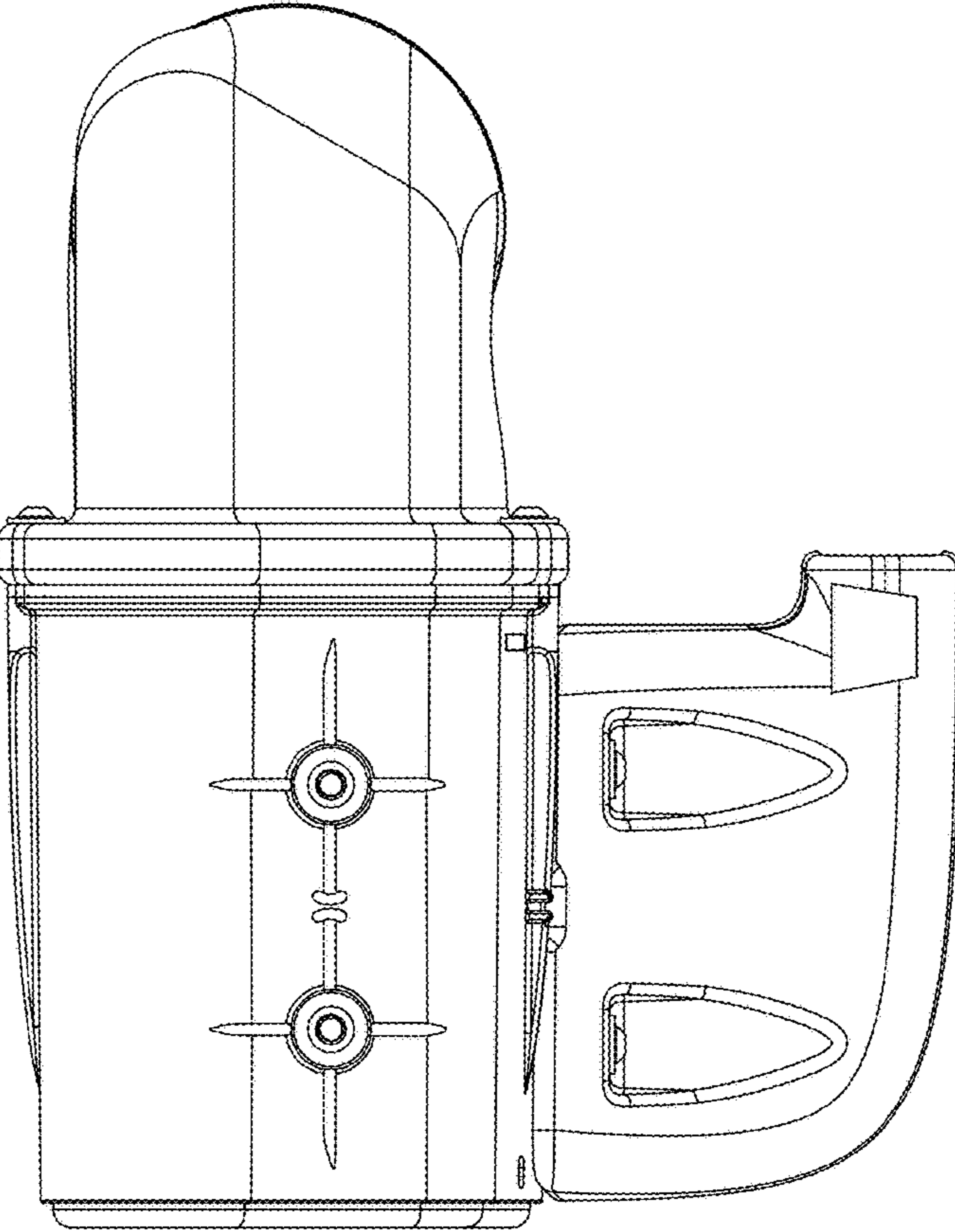


FIG. 4

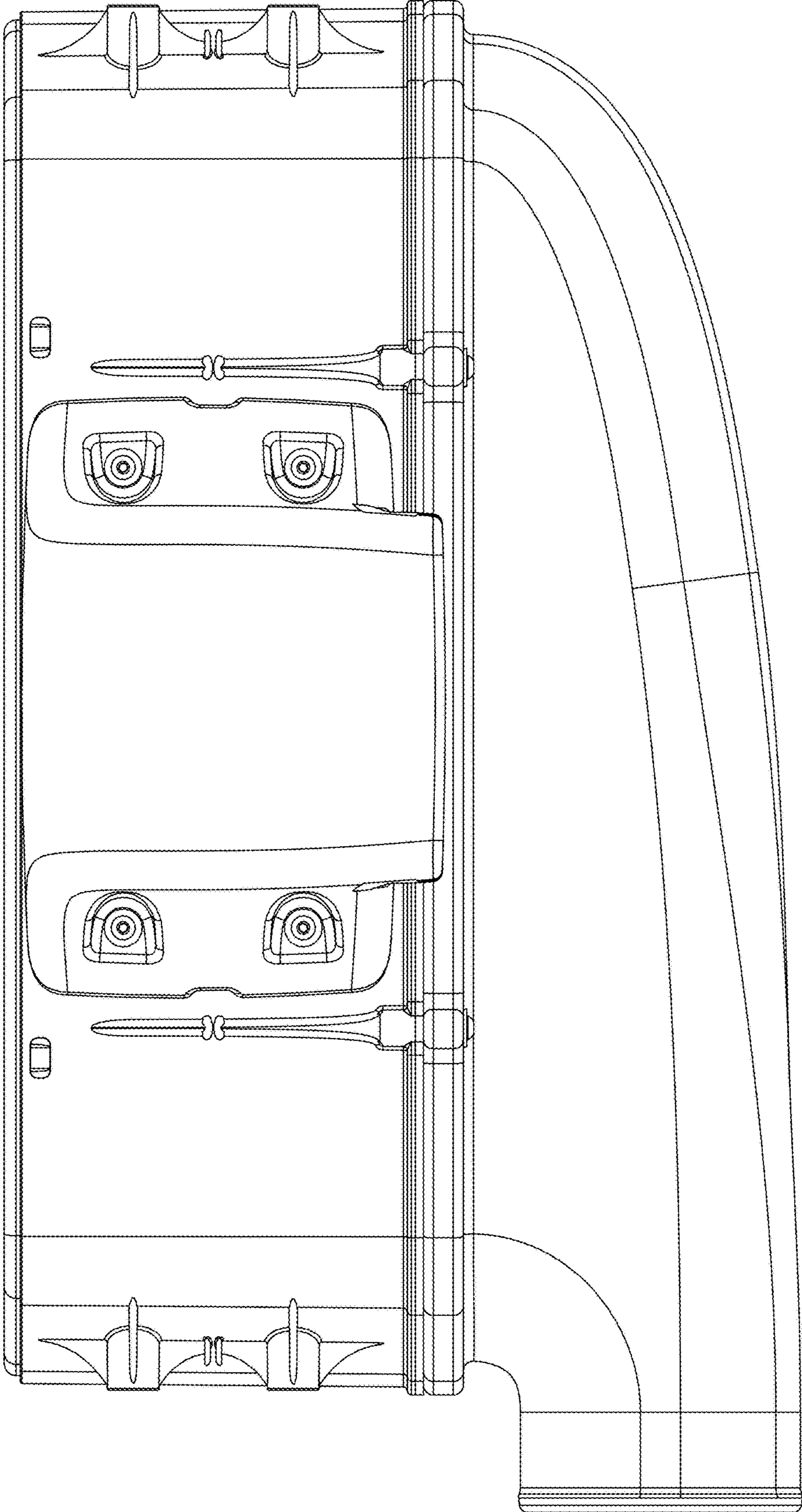


FIG. 5

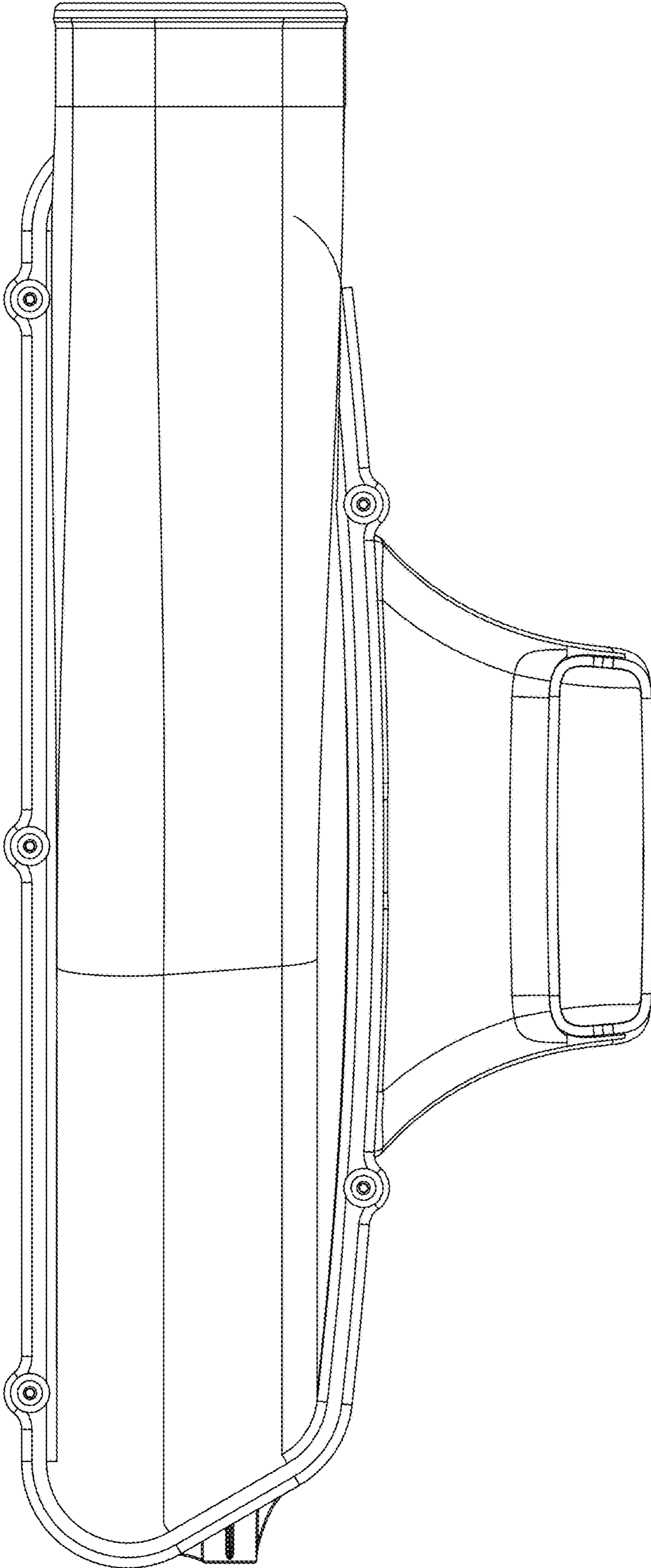


FIG. 6

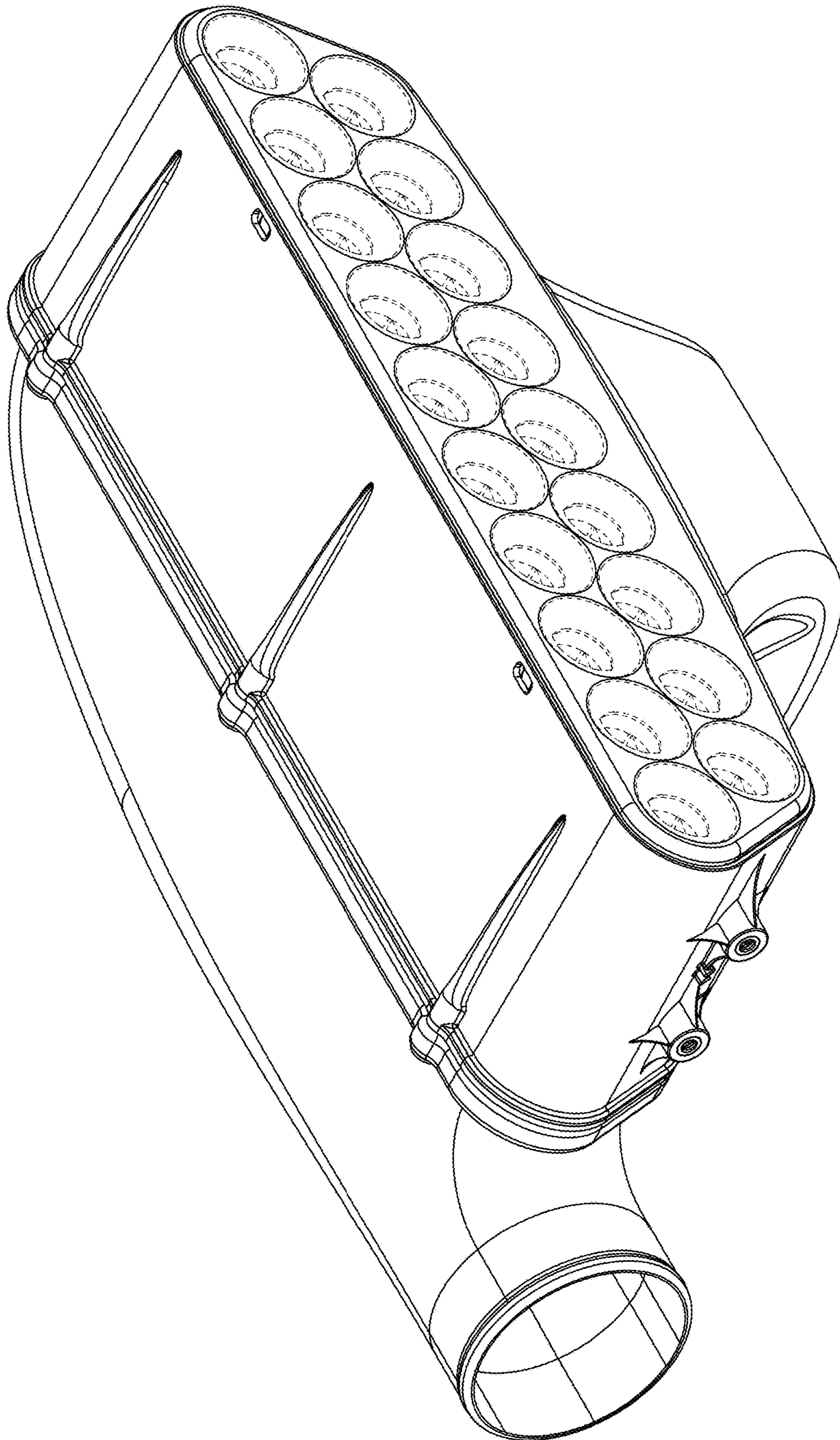


FIG. 7

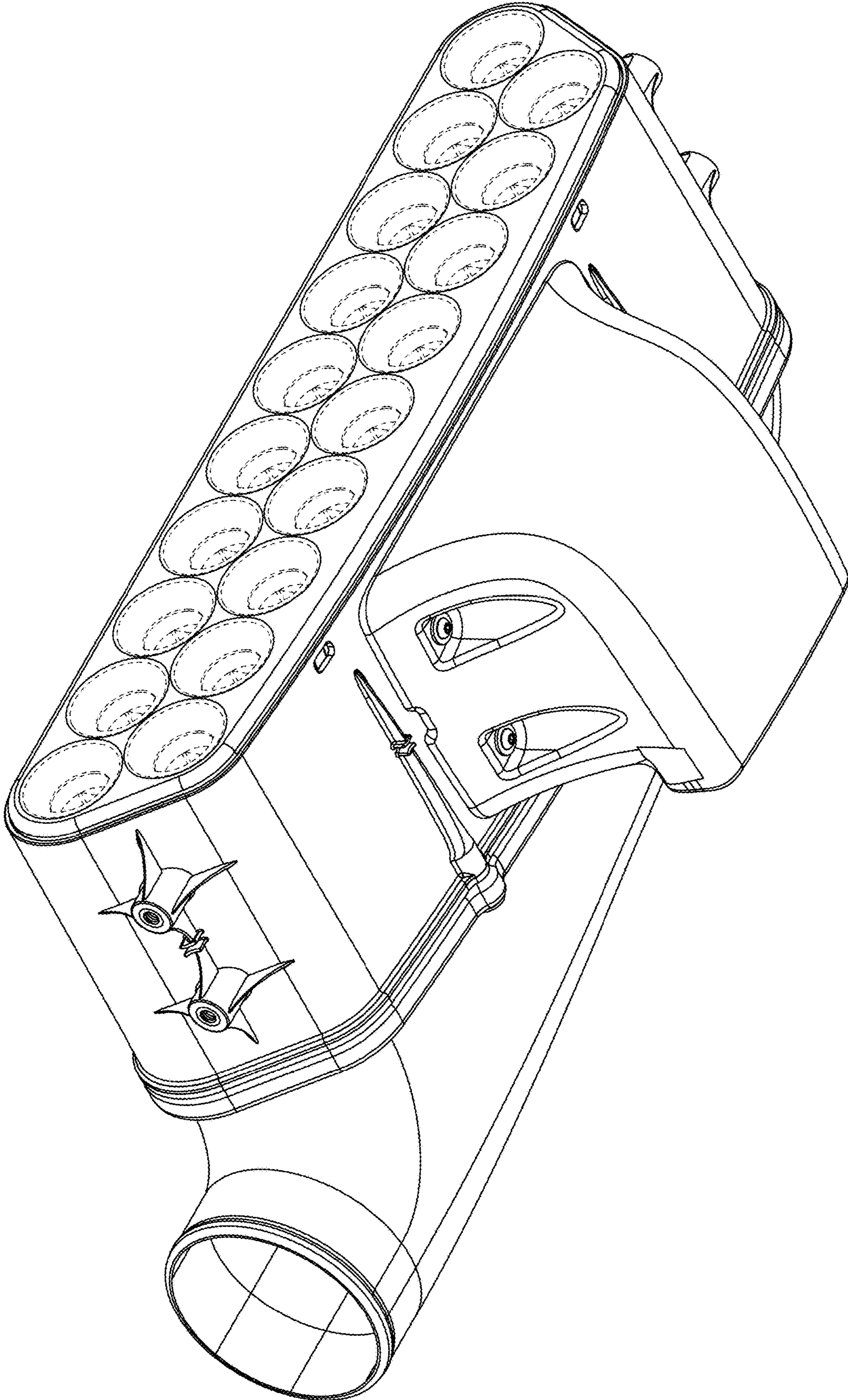


FIG. 8

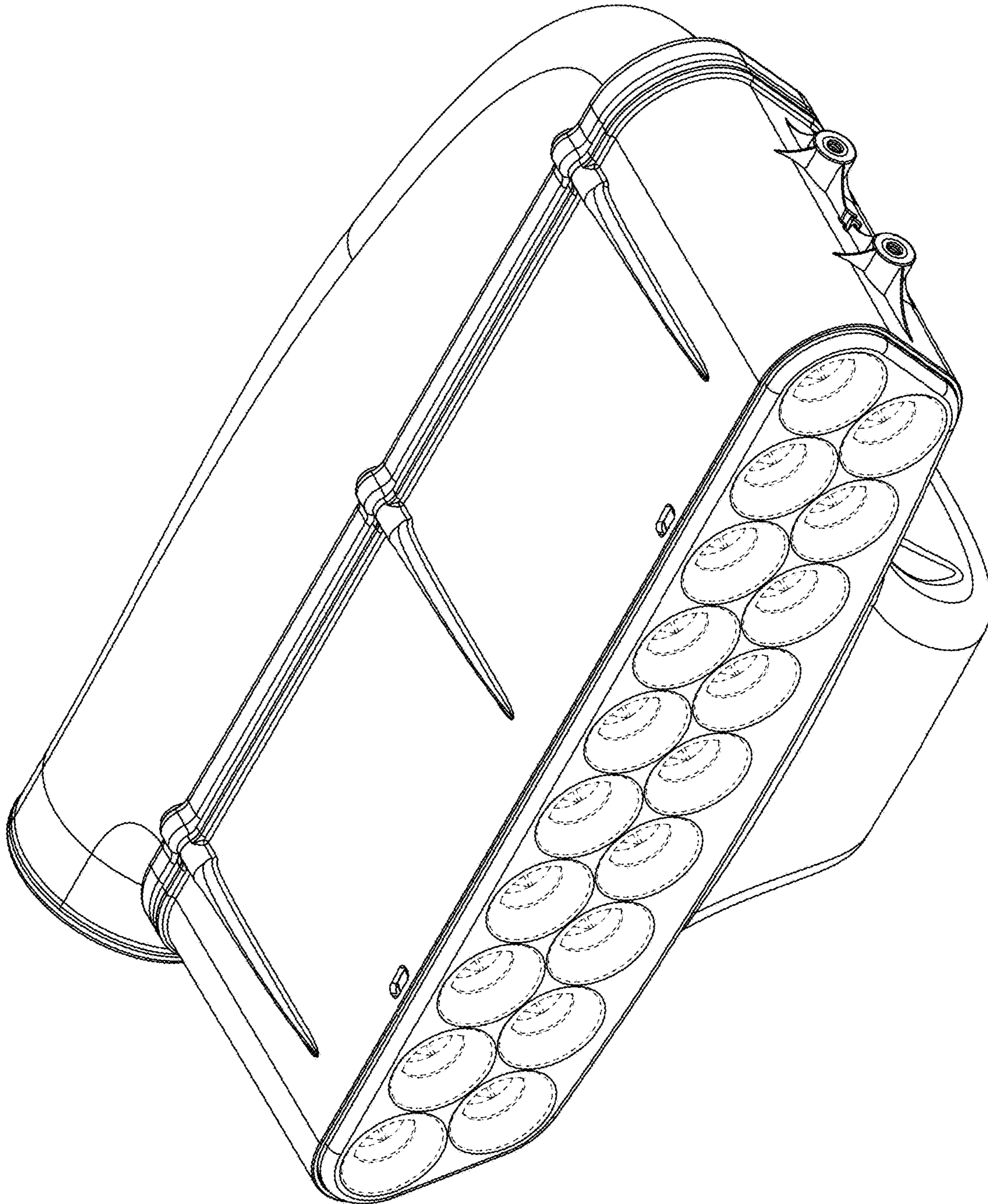


FIG. 9

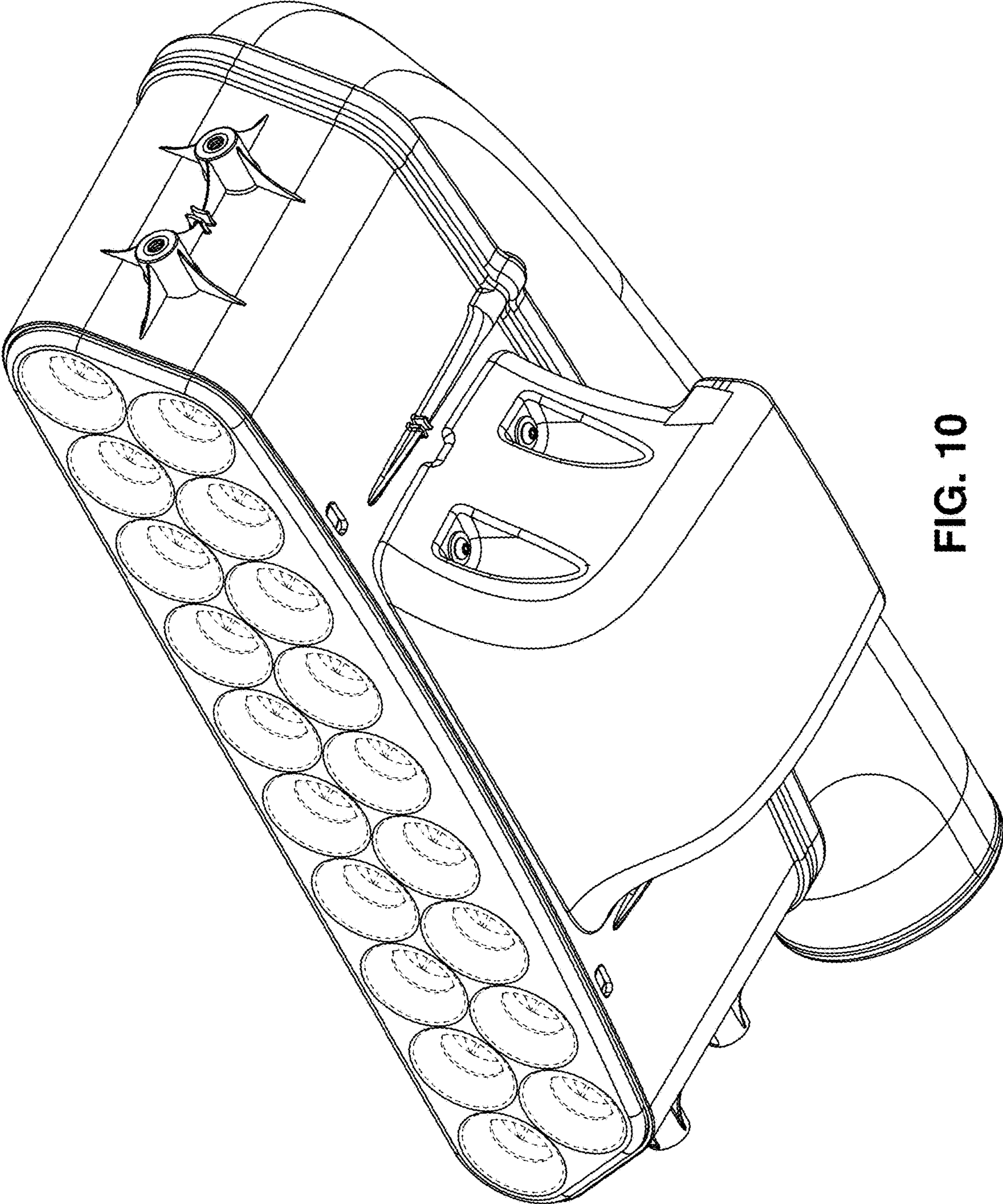


FIG. 10

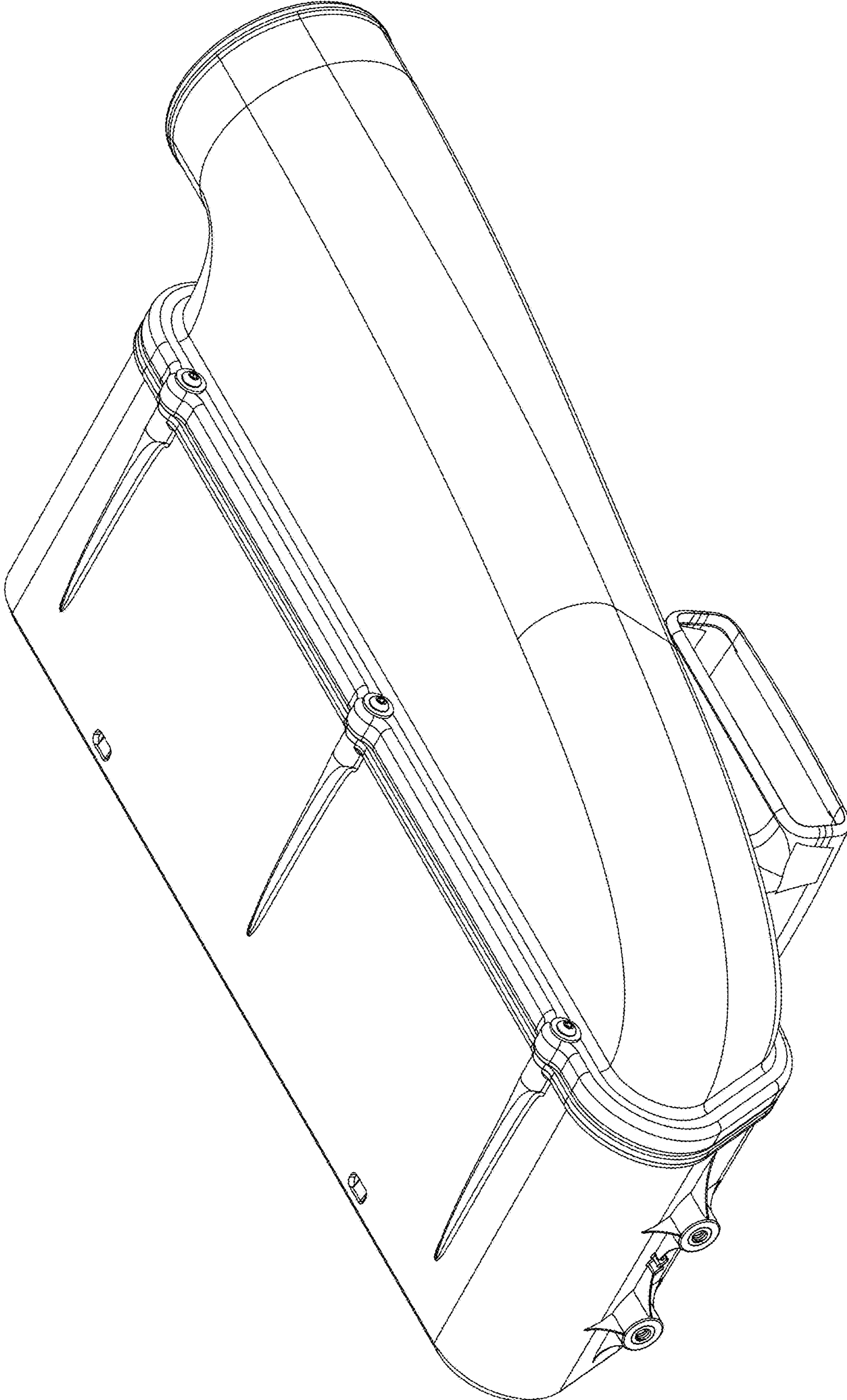


FIG. 11

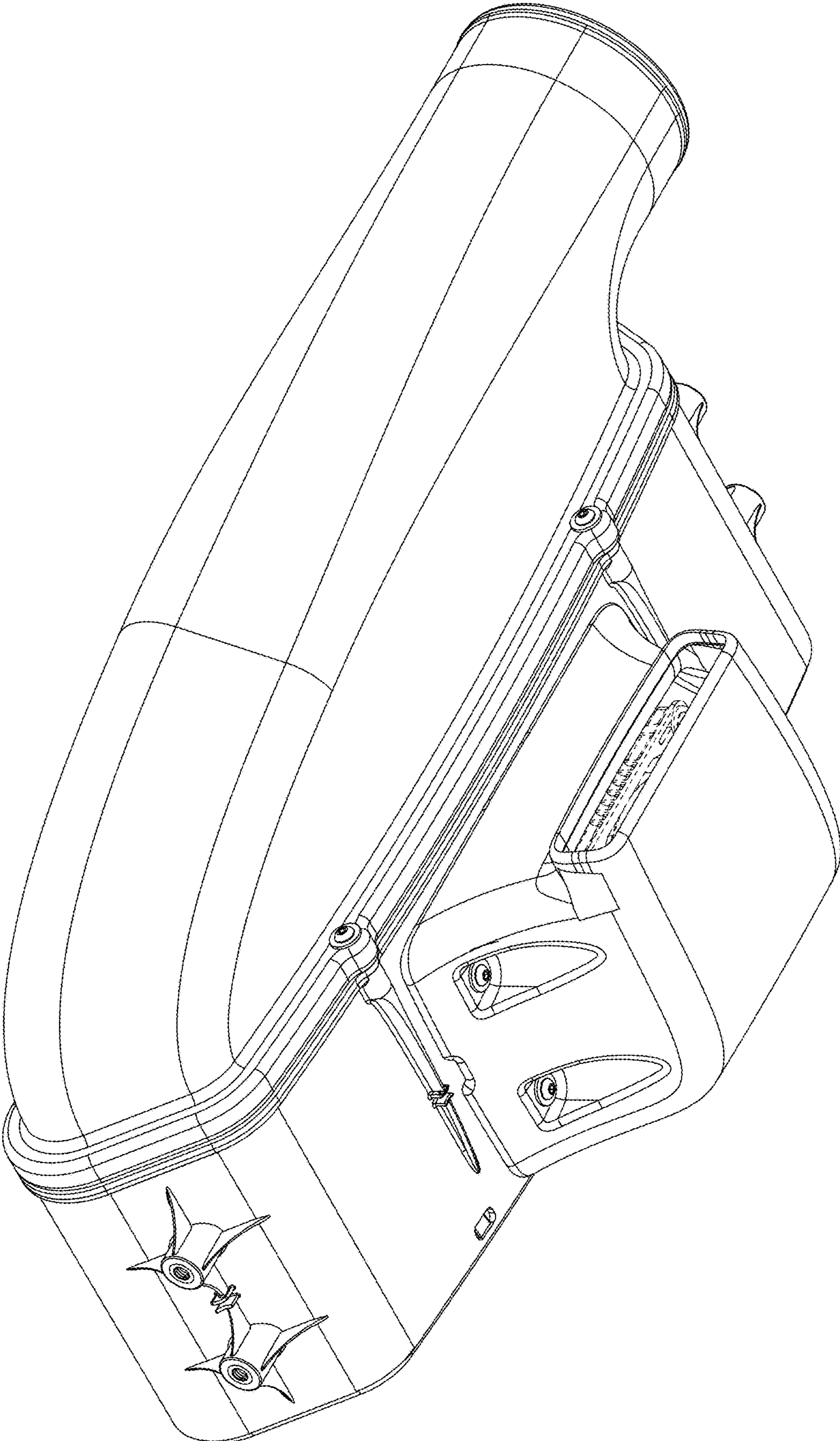


FIG. 12

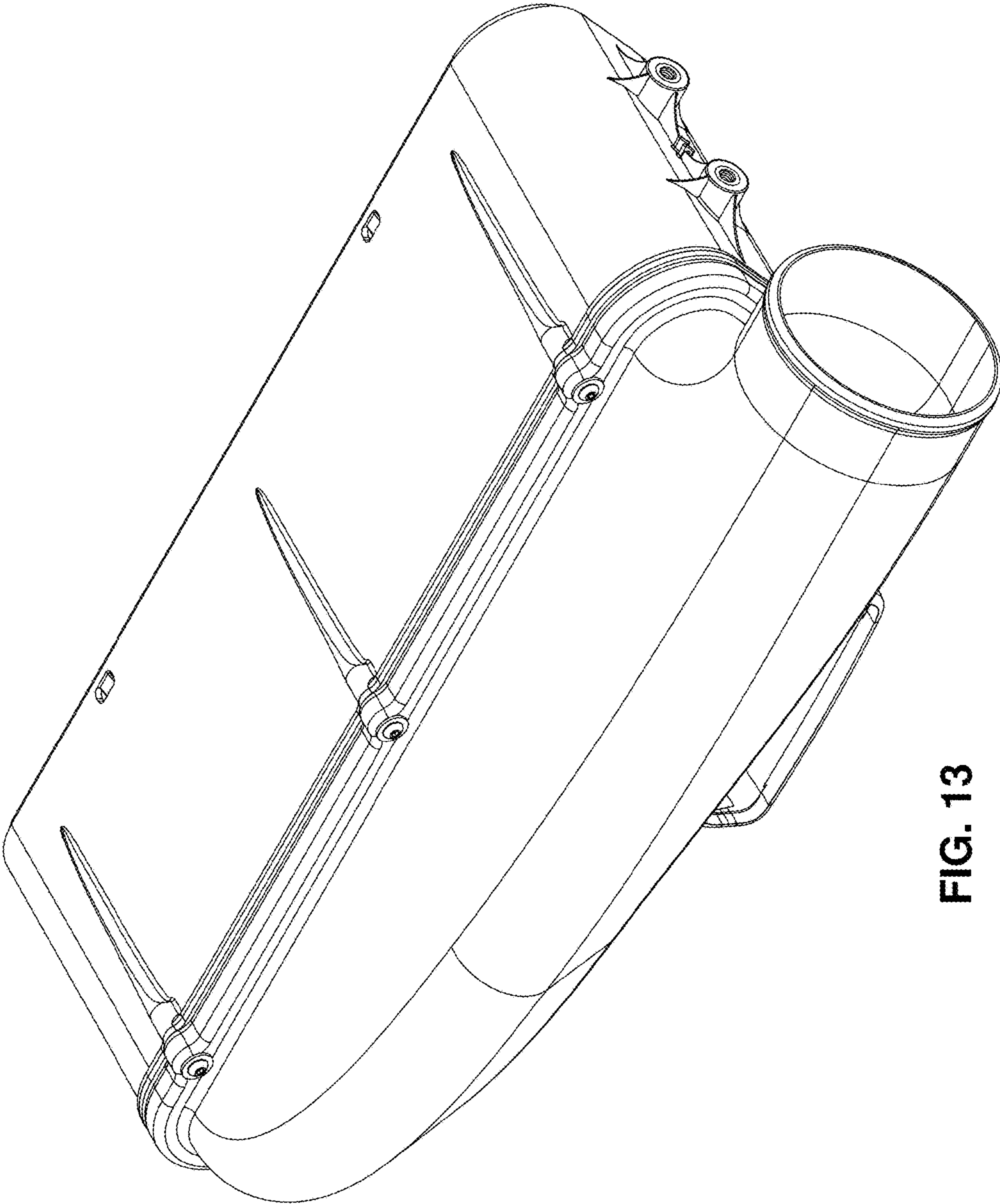


FIG. 13

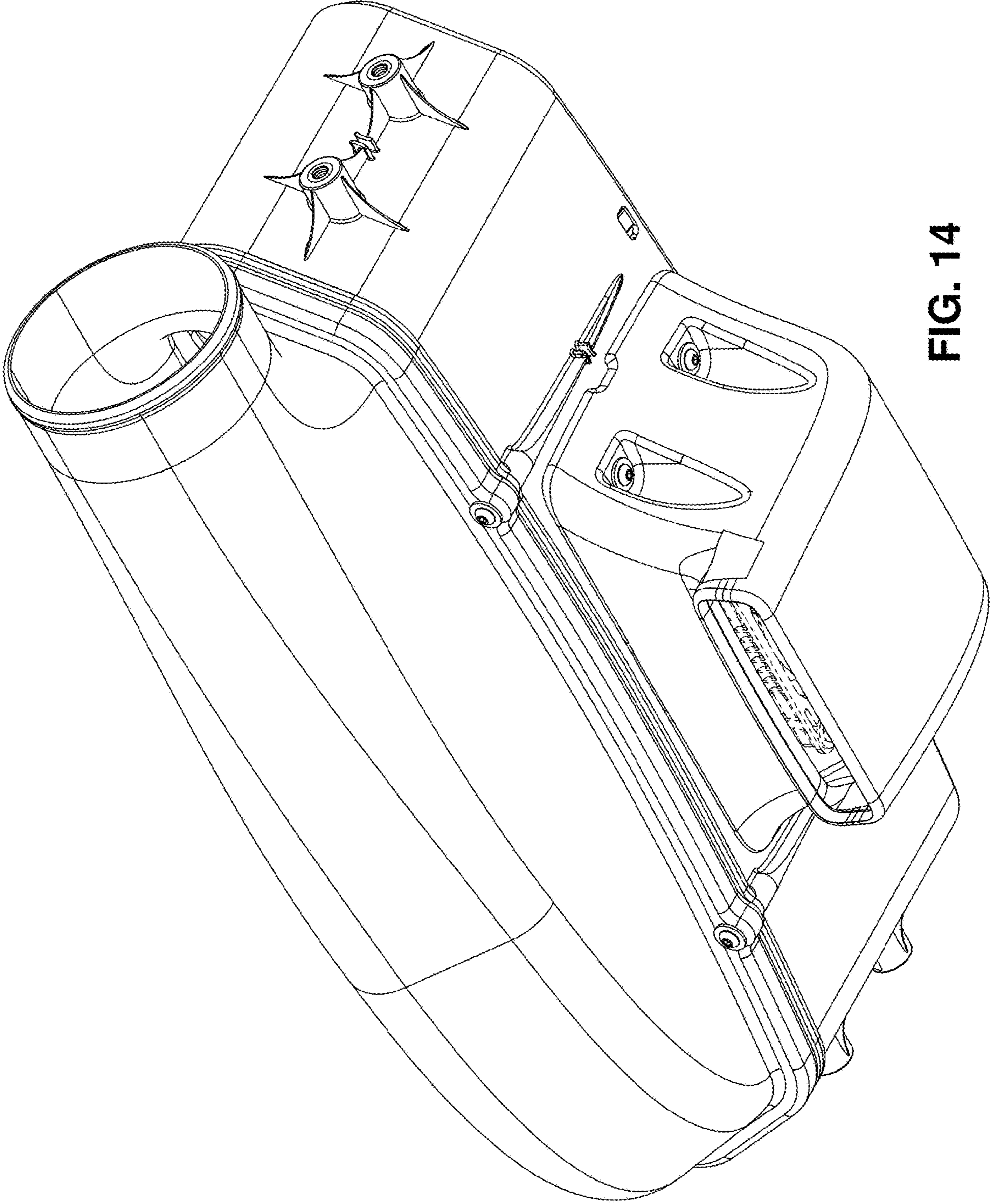


FIG. 14