



US00D944694S

(12) **United States Design Patent** (10) **Patent No.:** **US D944,694 S**
Ock (45) **Date of Patent:** **** Mar. 1, 2022**

(54) **DISC BRAKE CALIPER FOR AUTOMOBILES**
(71) Applicant: **Wooshin Industries Co., Ltd., Gimhae-si (KR)**
(72) Inventor: **Jae Dong Ock, Gimhae-si (KR)**
(73) Assignee: **WOOSHIN INDUSTRIES CO., LTD., Gimhae-si (KR)**

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

(21) Appl. No.: **29/709,298**

(22) Filed: **Oct. 13, 2019**

(30) **Foreign Application Priority Data**

Sep. 27, 2019 (KR) 30-2019-0046630

(51) **LOC (13) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/180**

(58) **Field of Classification Search**
USPC D12/123, 160, 179, 180
CPC F16D 55/22; F16D 55/225; F16D 55/226;
F16D 55/227; F16D 55/228; F16D
65/0068; F16D 65/18; F16D 65/183;
F16D 65/58; F16D 65/092; F16D 65/12;
F16D 65/068; F16D 65/0975; F16D
2055/0016; B60T 1/065; B60T 13/588
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D785,520 S * 5/2017 Bonetti D12/180
D805,012 S * 12/2017 Crippa D12/180

D813,125 S * 3/2018 Crippa D12/180
D816,002 S * 4/2018 Crippa D12/180
D840,301 S * 2/2019 Bonetti D12/180
D842,782 S * 3/2019 Verdelli D12/180
D862,328 S * 10/2019 Scotti D12/180
D892,007 S * 8/2020 Scotti D12/180
D894,065 S * 8/2020 Wilson D12/180
D902,097 S * 11/2020 Ock D12/180
2014/0251737 A1 * 9/2014 Nanri B60T 1/065
188/72.5
2015/0122597 A1 * 5/2015 Shimamura F16D 65/092
188/72.4
2016/0208872 A1 * 7/2016 Morio F16D 55/228

* cited by examiner

Primary Examiner — Susan E Krakower
Assistant Examiner — Jerry Shiuan-Hua Hsu
(74) *Attorney, Agent, or Firm* — STIP Law Group, LLC

(57) **CLAIM**

The ornamental design for disc brake caliper for automobiles, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, right perspective view of the disc brake caliper for automobiles showing the present design.
FIG. 2 is a front view thereof.
FIG. 3 is a rear view thereof.
FIG. 4 is a left side view thereof, shown enlarged for easy illustration.
FIG. 5 is a right side view thereof, shown enlarged for easy illustration.
FIG. 6 is a top view thereof.
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a bottom, front, right perspective view thereof.
The broken lines illustrate portions of the disc brake caliper for automobiles that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

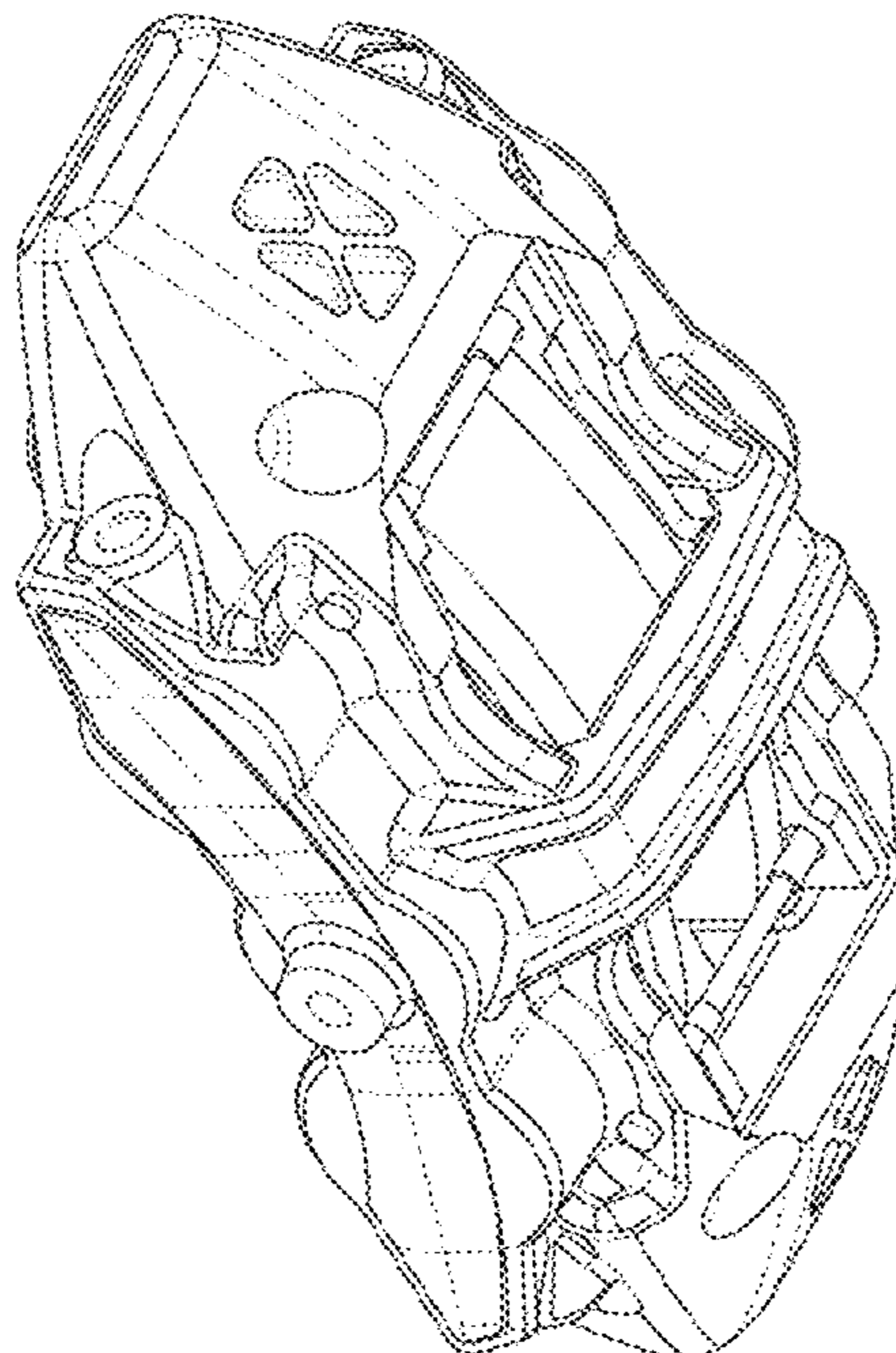


FIG. 1

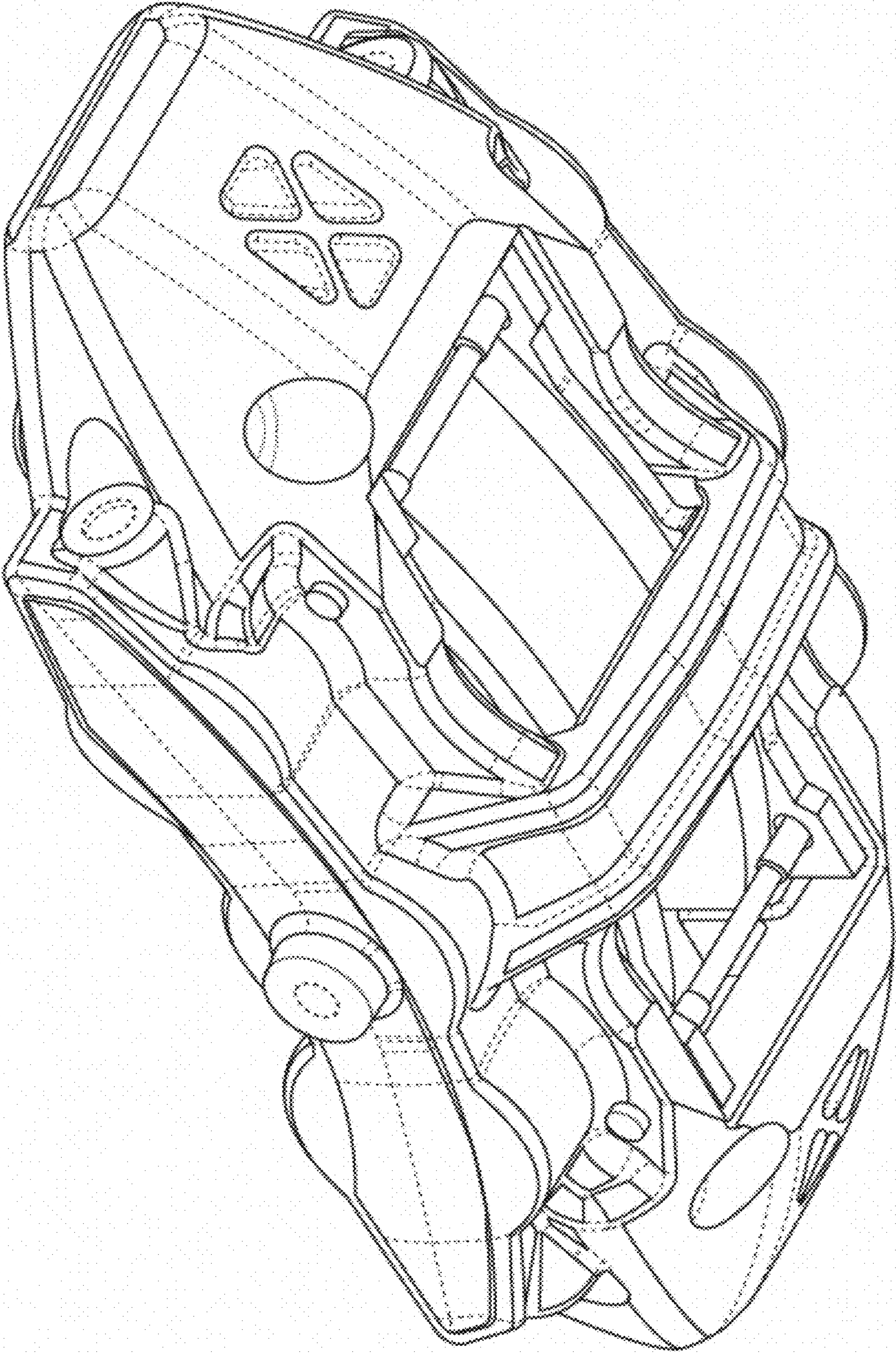


FIG. 2

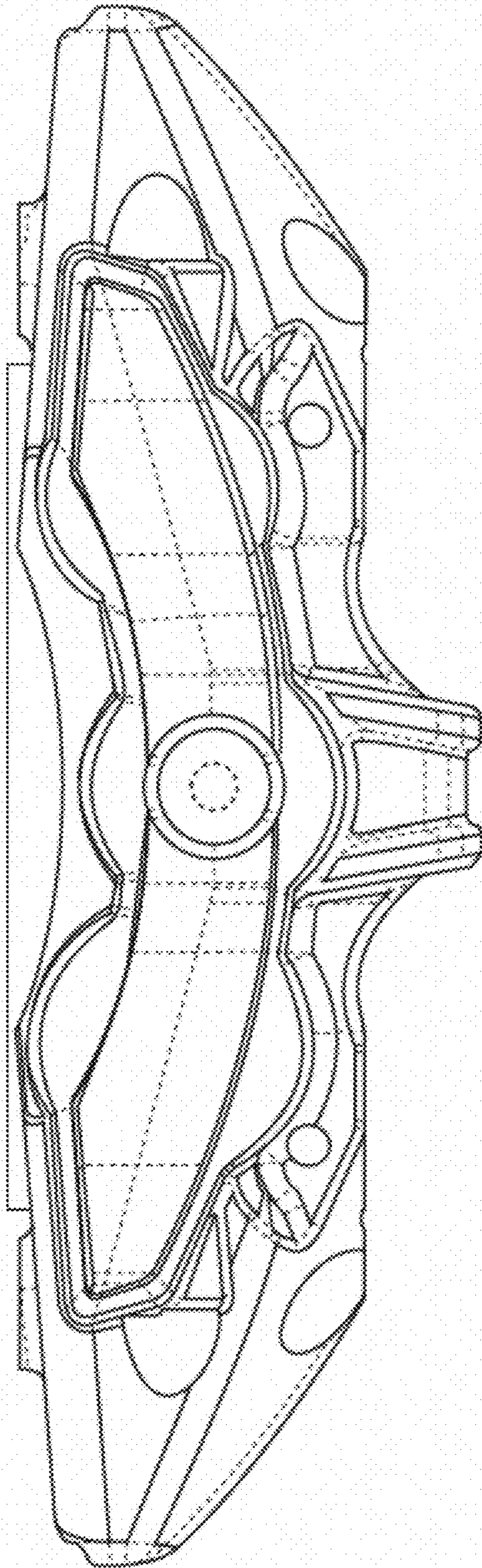


FIG. 3

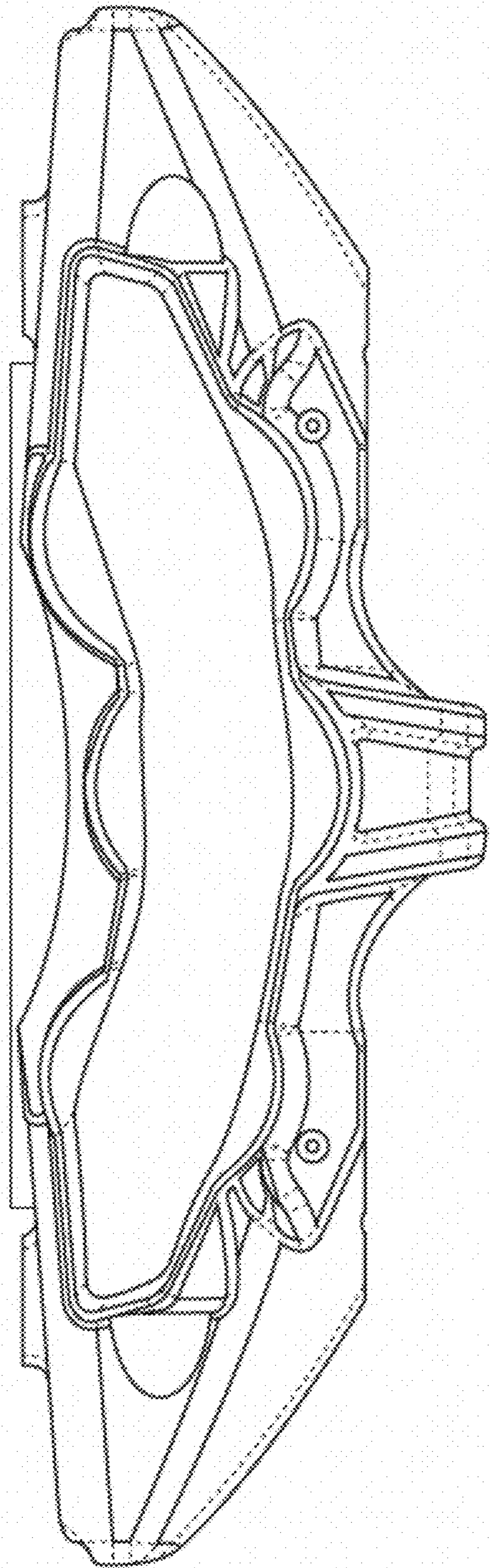


FIG. 4

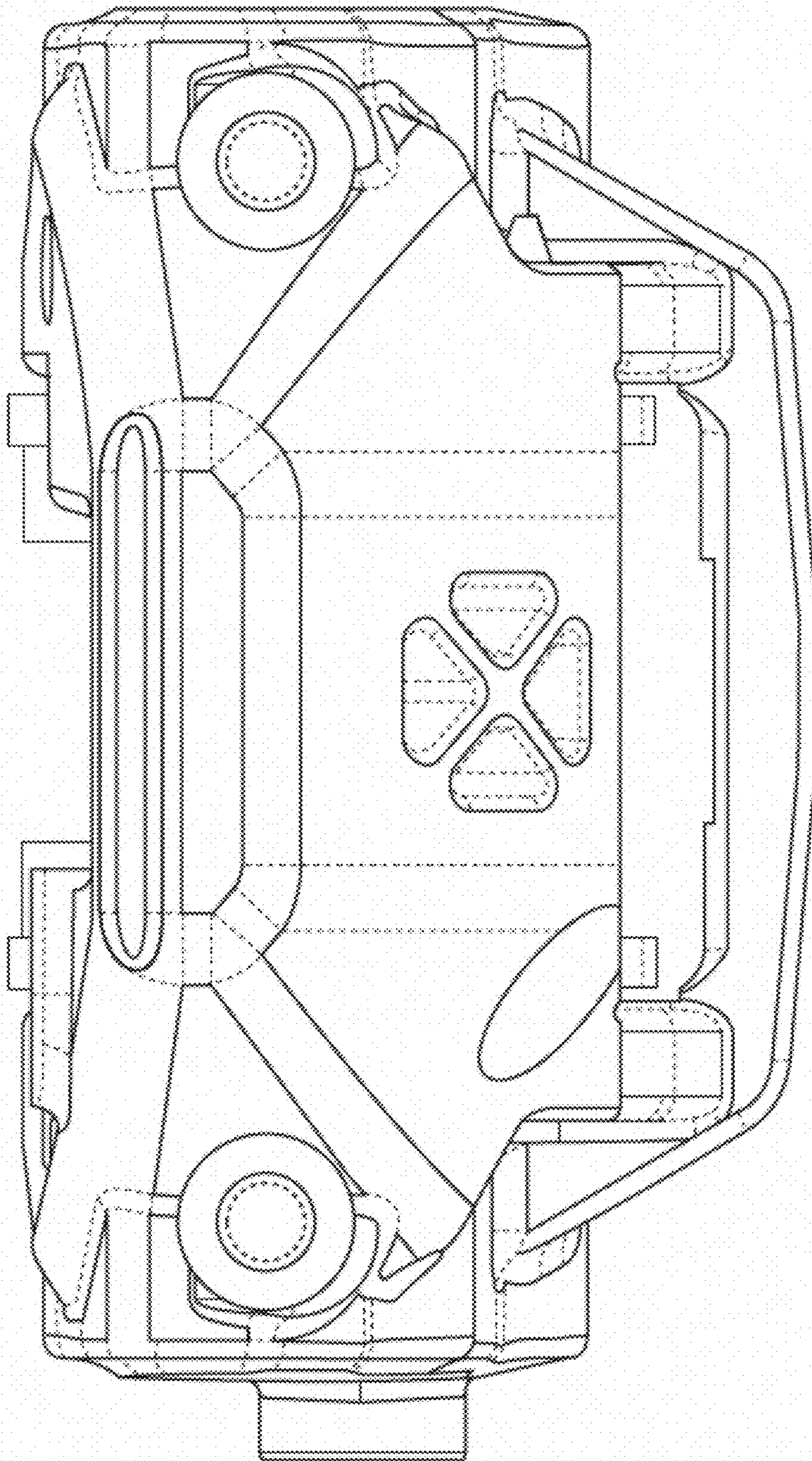


FIG. 5

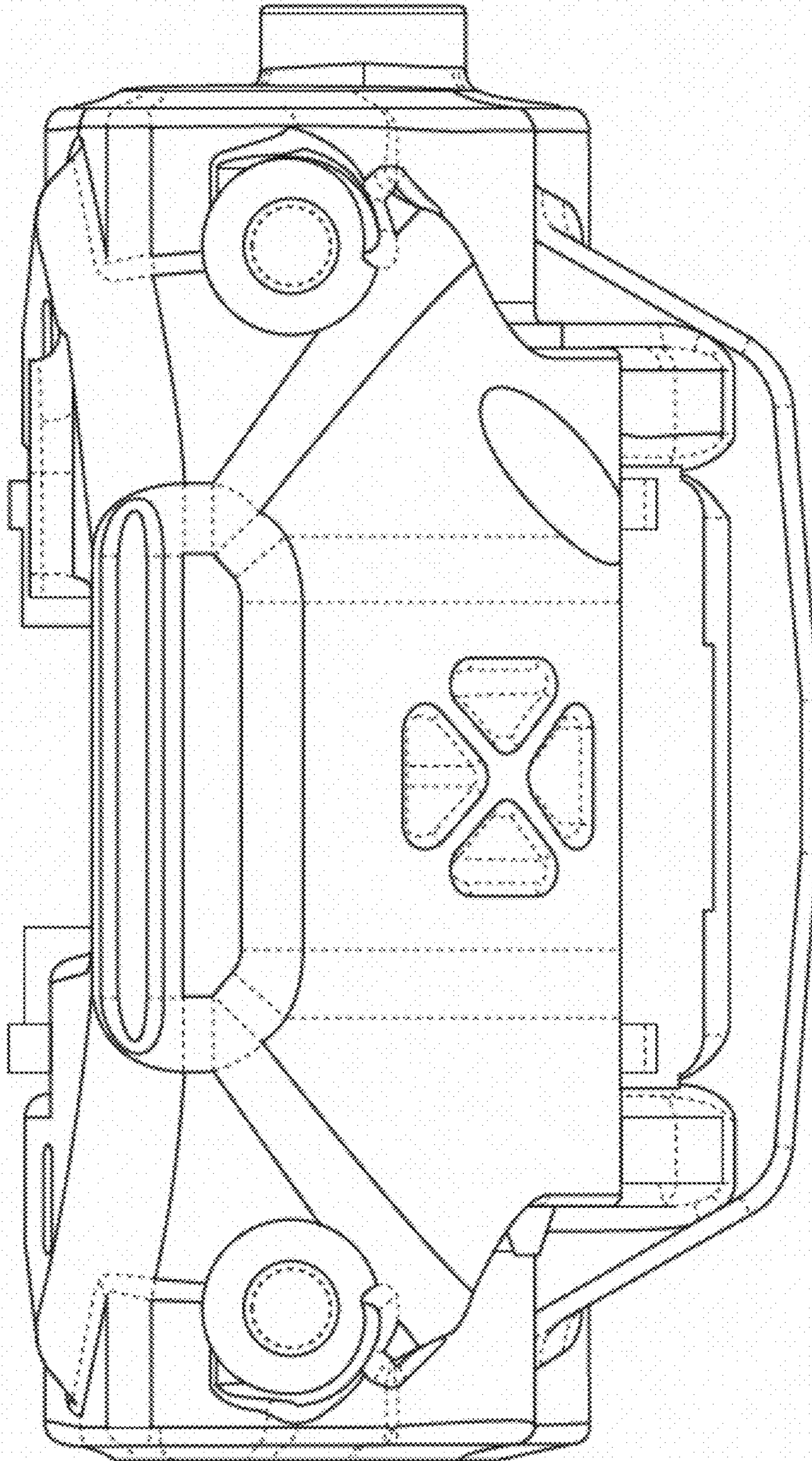


FIG. 6

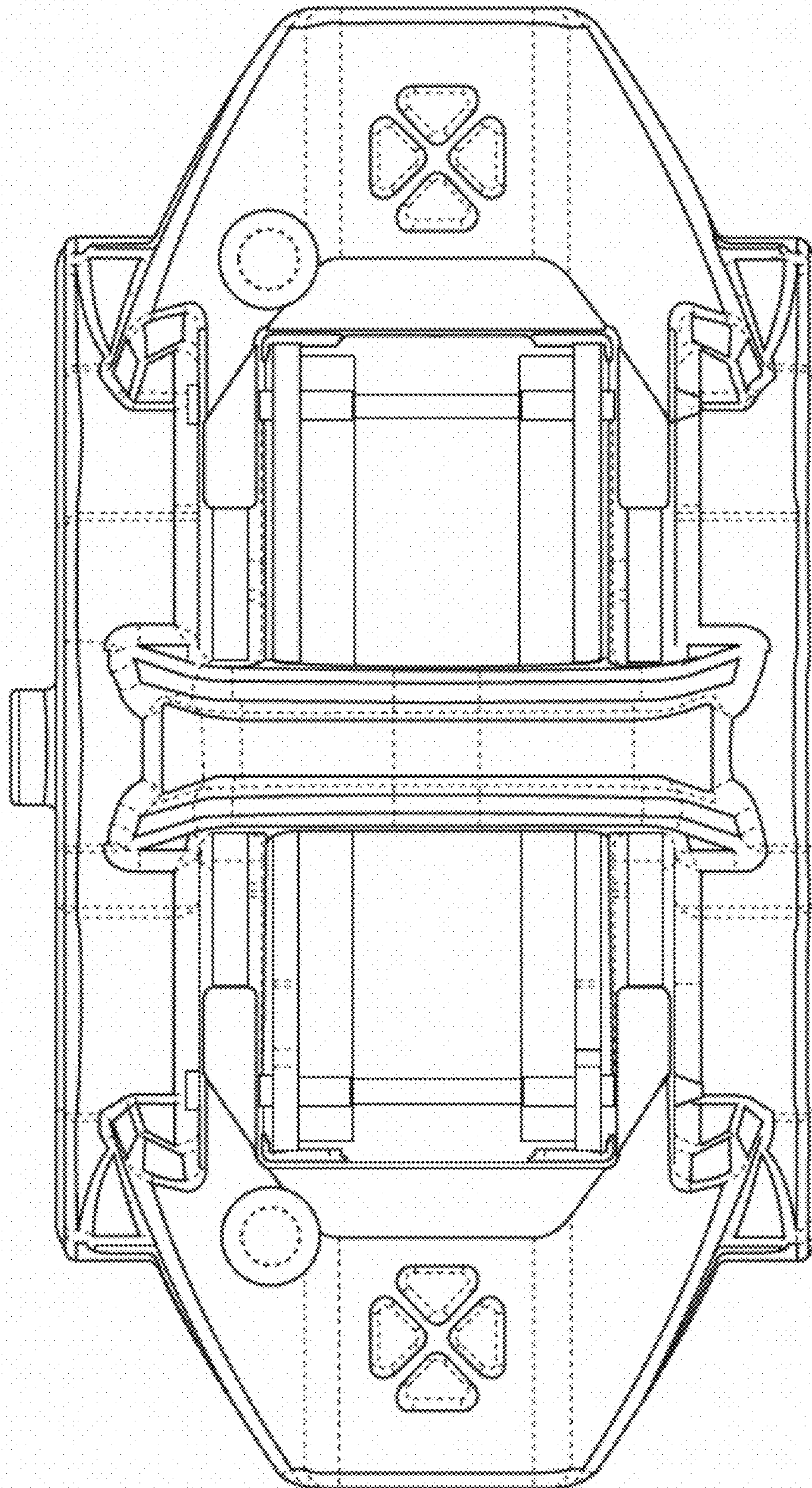


FIG. 7

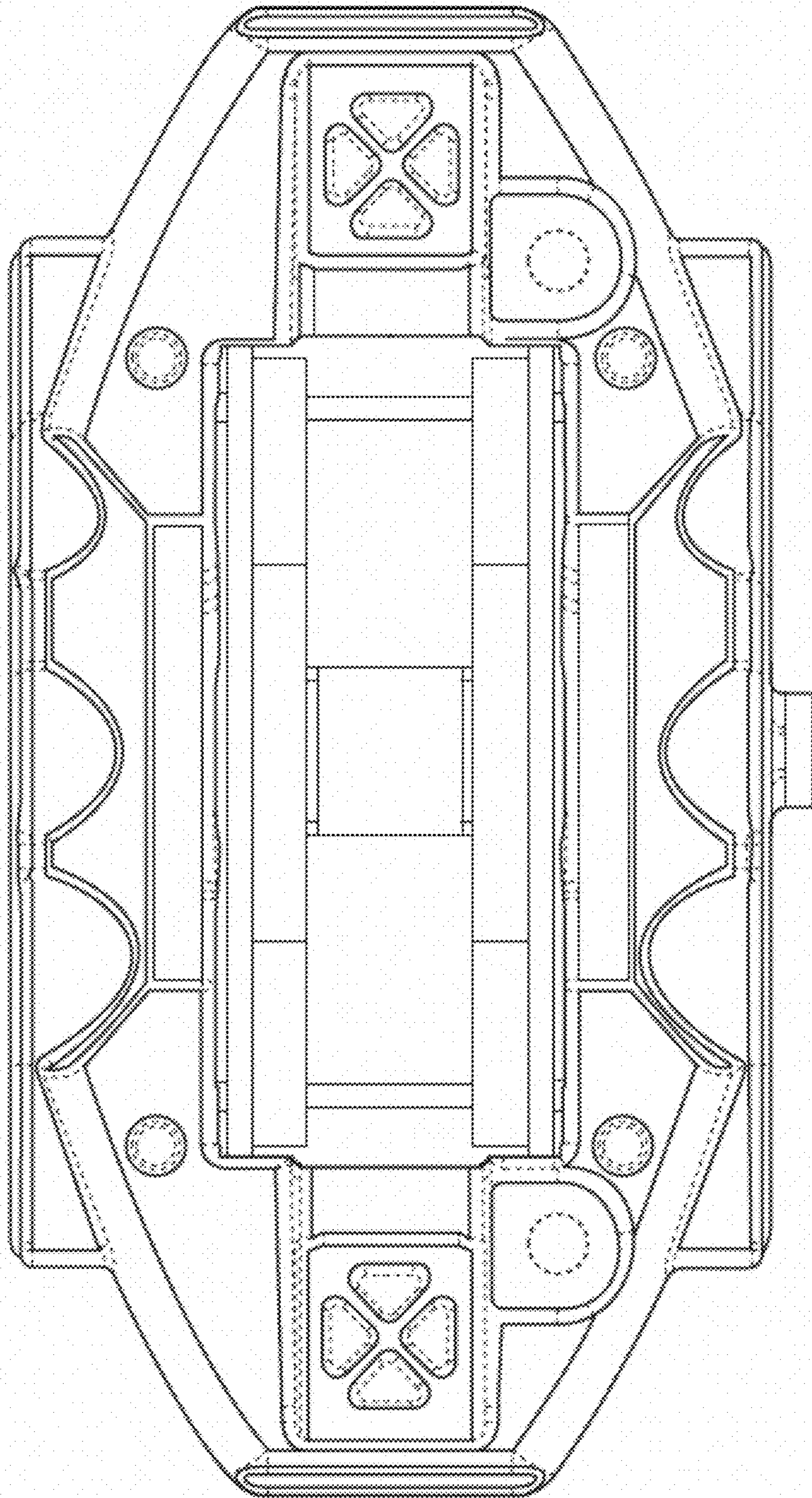


FIG. 8

