



US0D1021053S

(12)

United States Design Patent

Liang

(10)

Patent No.:

US D1,021,053 S

(45)

Date of Patent:

** Apr. 2, 2024

(54) NECK FAN

OTHER PUBLICATIONS

(71) Applicant: Haichuan Liang, Foshan (CN)

(72) Inventor: Haichuan Liang, Foshan (CN)

(**) Term: 15 Years

(21) Appl. No.: 29/784,450

(22) Filed: May 19, 2021

(51) LOC (14) Cl. 23-04

(52) U.S. Cl.
USPC D23/380

(58) Field of Classification Search
USPC D23/328, 332-333, 351-352, 355-356, D23/370, 378-382
CPC F04D 25/0673; F04D 25/08; F04D 25/084; F04D 25/086; F04D 29/34; F04D 29/388; F04D 29/4226; F04D 25/166; F24F 7/007
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D101,740 S	*	10/1936	Kirsch	D23/380
D438,299 S	*	2/2001	Gonzales	D23/380
D933,803 S	*	10/2021	He	D23/382
D934,406 S	*	10/2021	Williams	D23/380
D938,008 S	*	12/2021	Xu	D23/382
D940,295 S	*	1/2022	Li	D23/382
D989,270 S	*	6/2023	Xu	D23/382

Ideashop Portable Neck Fan, date first available Feb. 25, 2022, site visited May 3, 2023, available from internet <<https://www.amazon.com/Ideashop-Bladeless-Rechargeable-Adjustable-Headphone/dp/B09TFR574D>>.*
Hang neck fan (cocoa wheat), Application No. 202130058964.2, application date Jan. 28, 2021, registration No. 306697913, date published Jul. 20, 2021, published in CN, site visited May 3, 2023, available at www.orbit.com.*

* cited by examiner

Primary Examiner — Sharon S Oum
(74) Attorney, Agent, or Firm — Che-Yang Chen; Law Office of Michael Chen

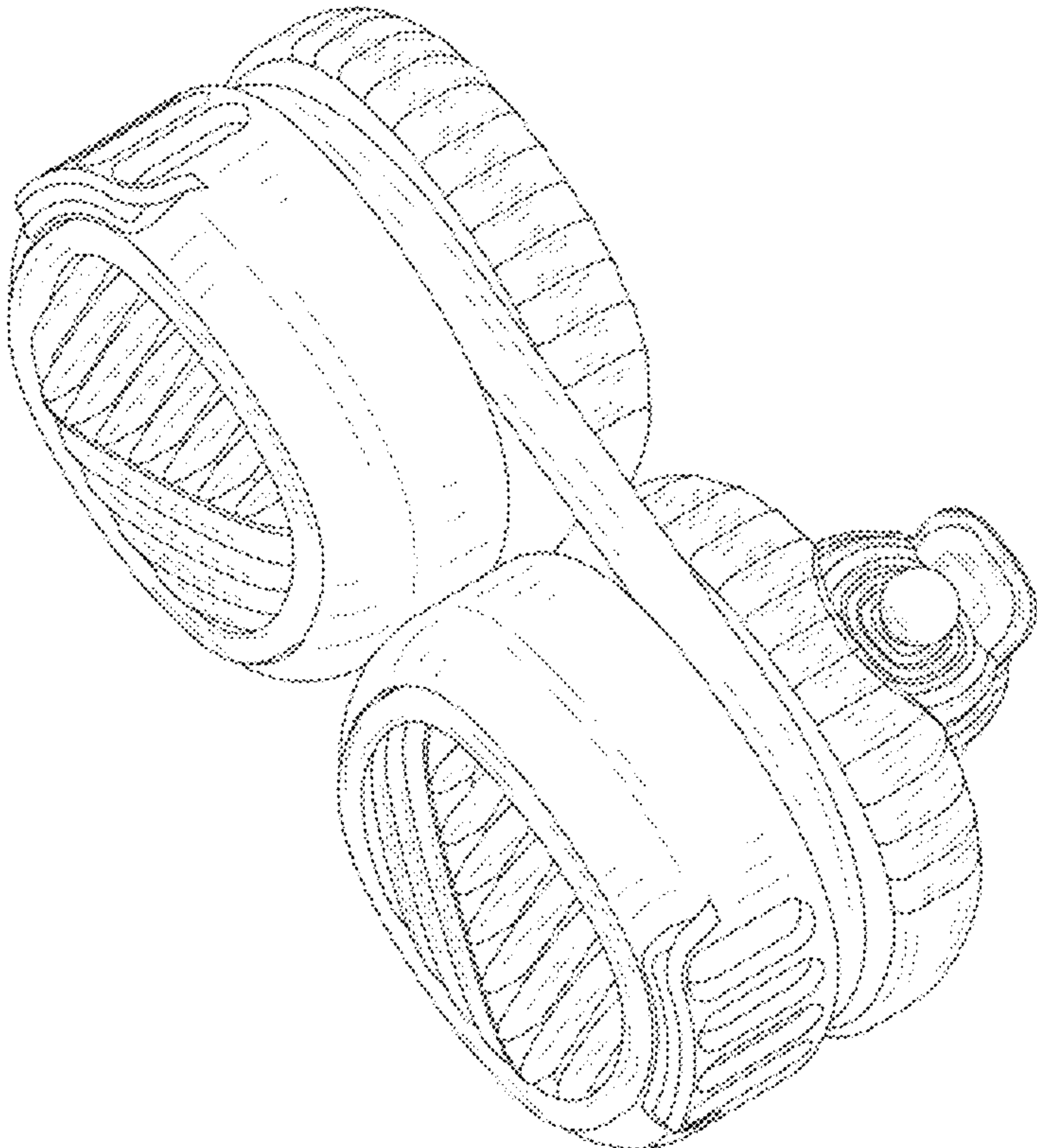
(57) CLAIM

The ornamental design for a neck fan, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the neck fan showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines illustrate portions of the neck fan that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



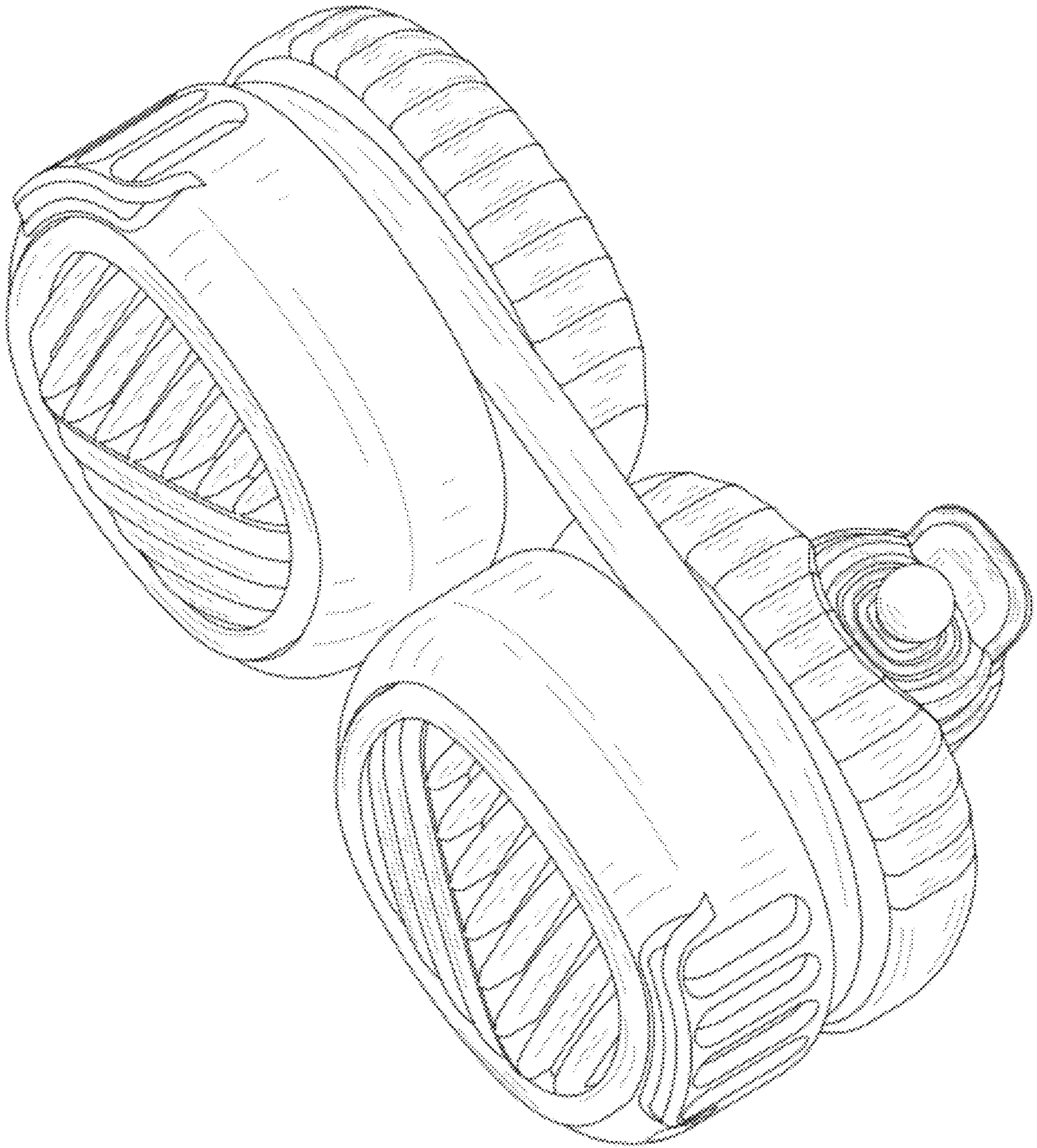


FIG. 1

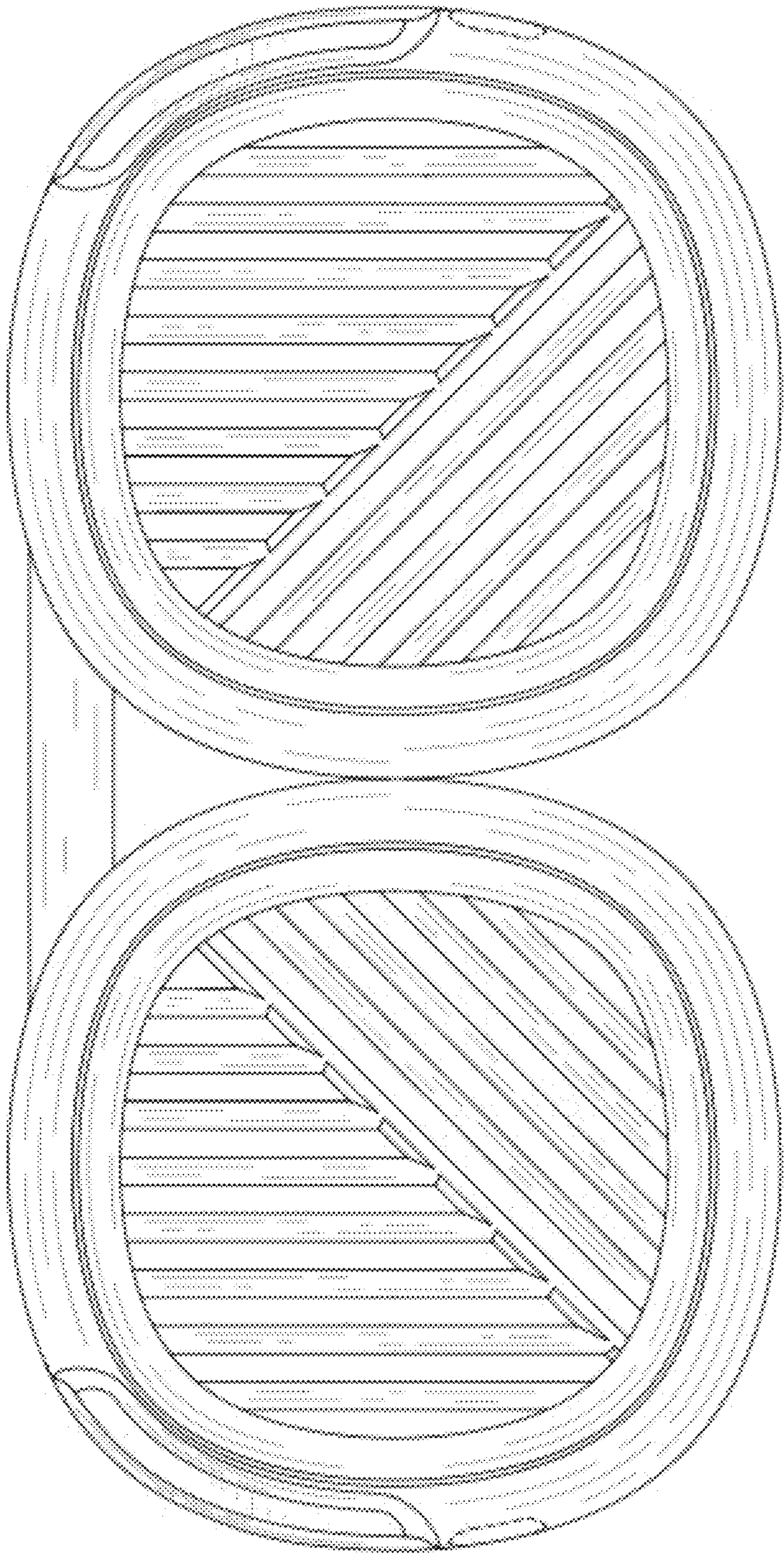


FIG. 2

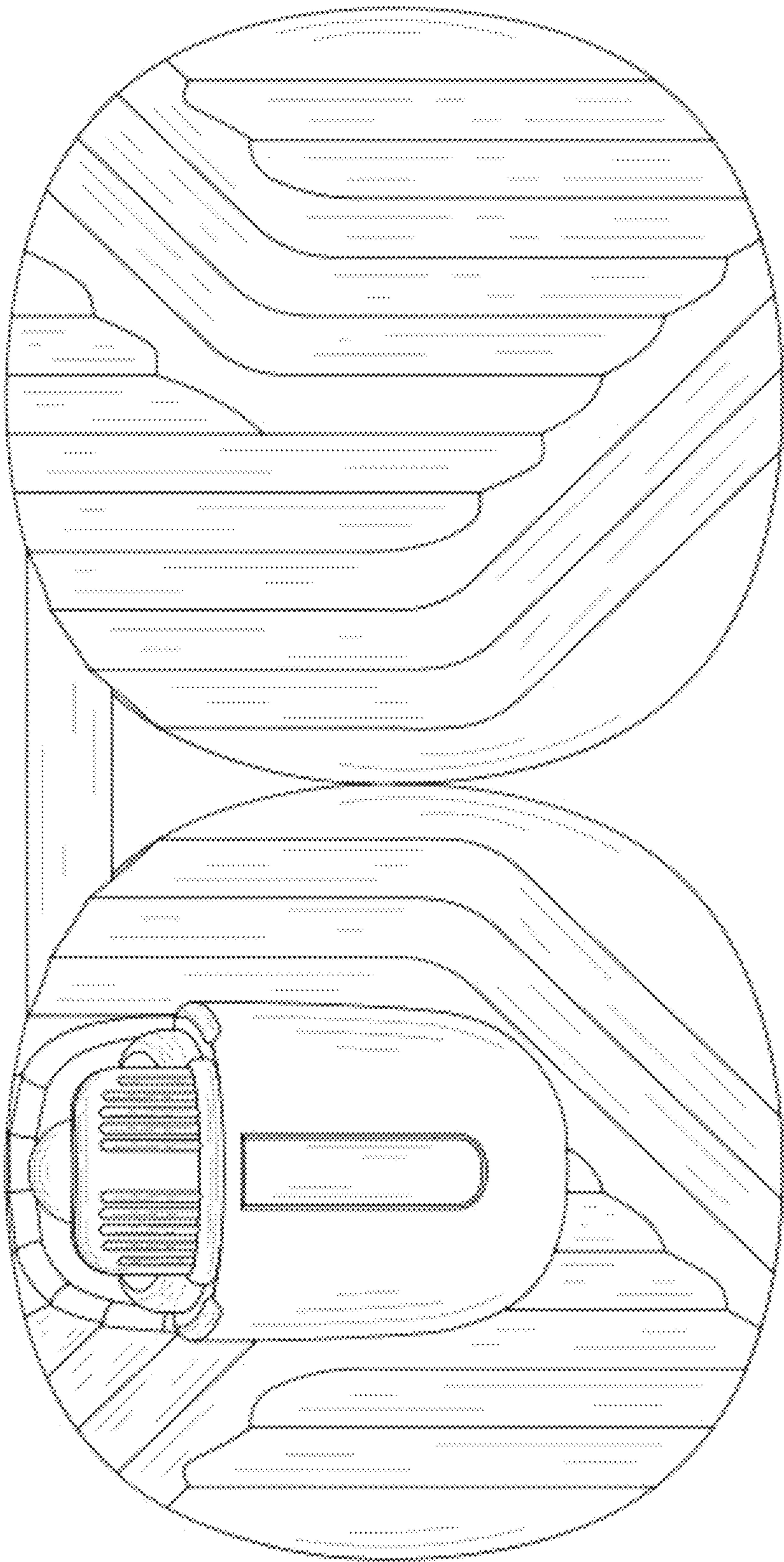


FIG. 3

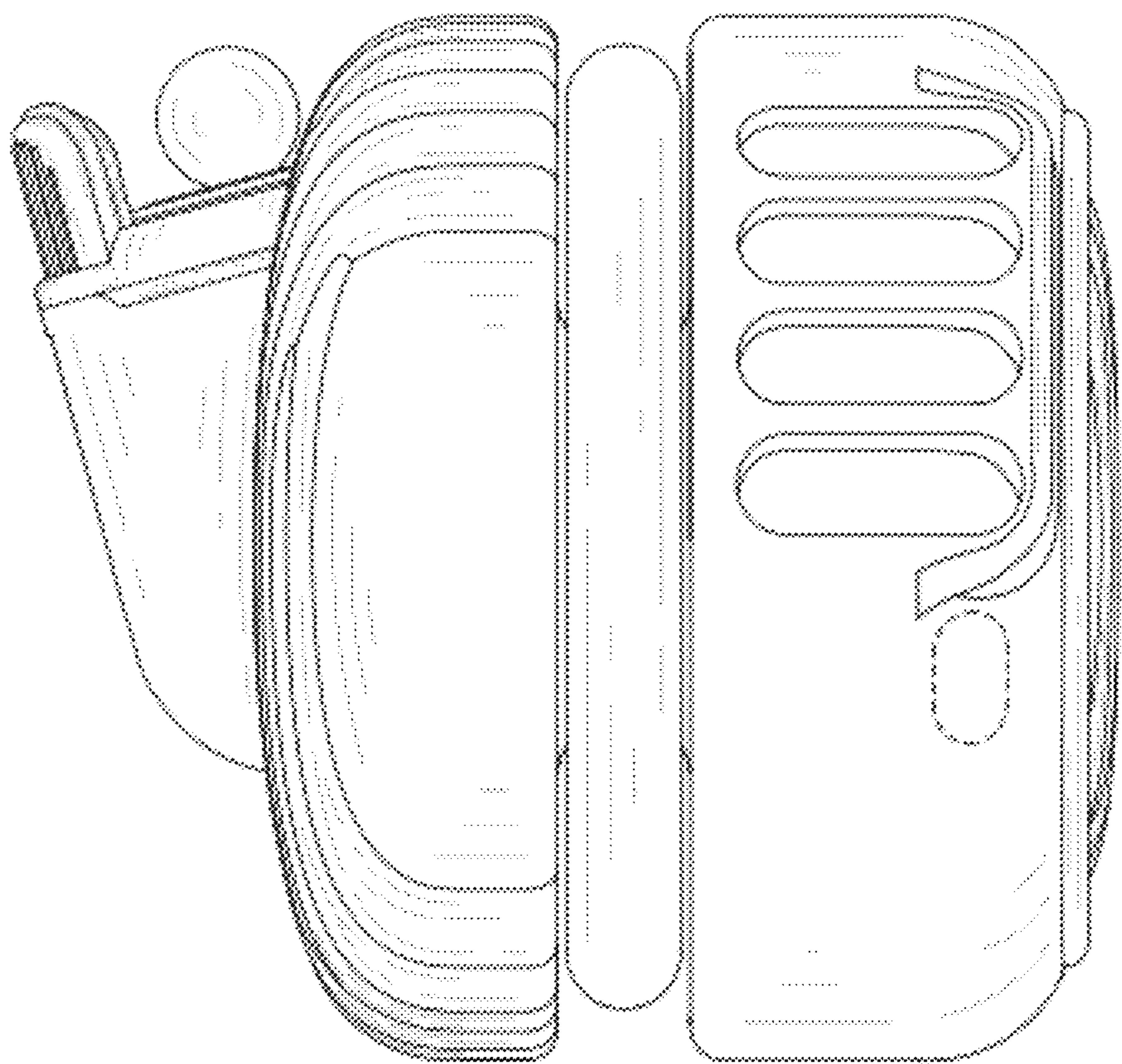


FIG. 4

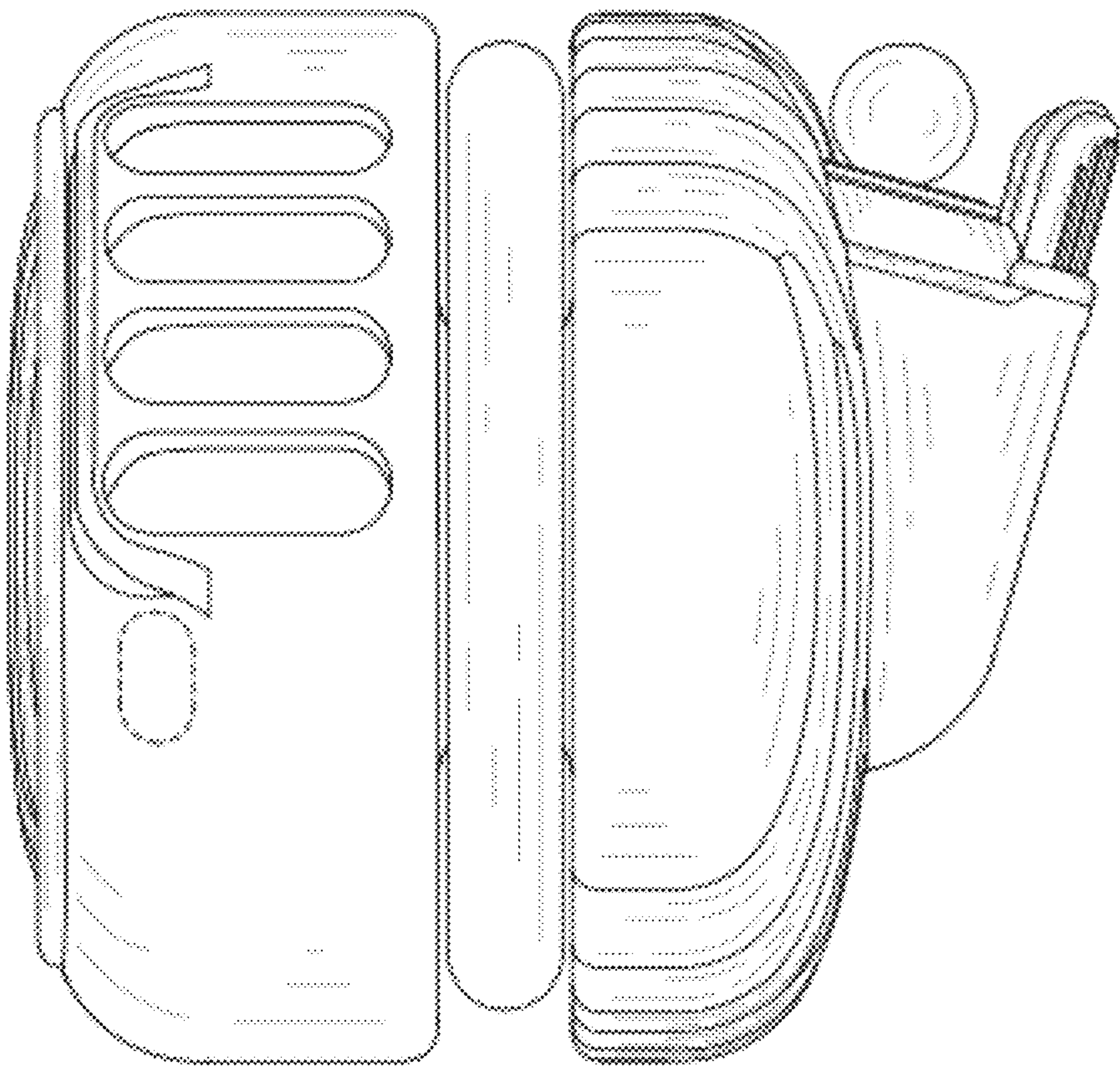


FIG. 5

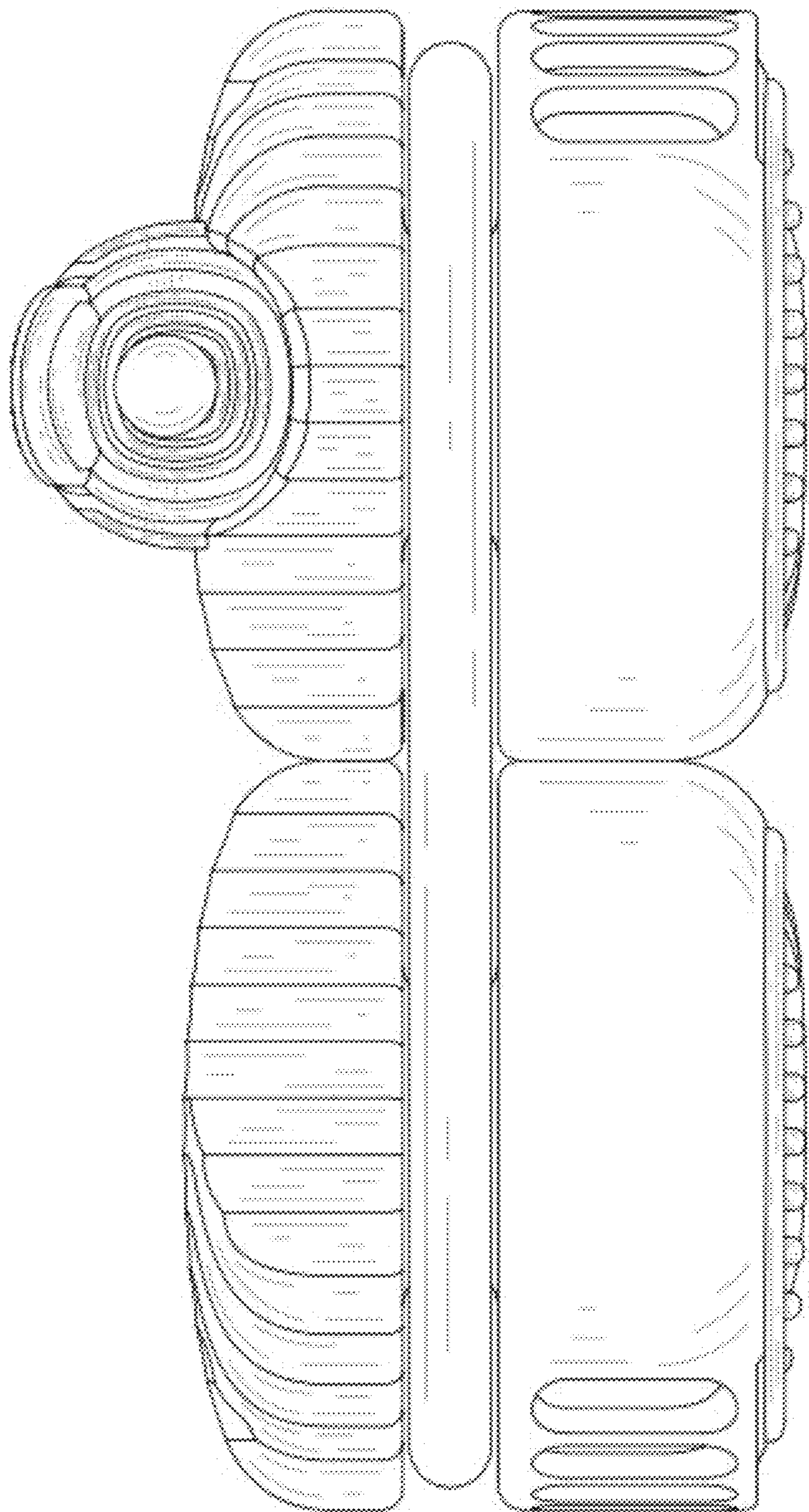


FIG. 6

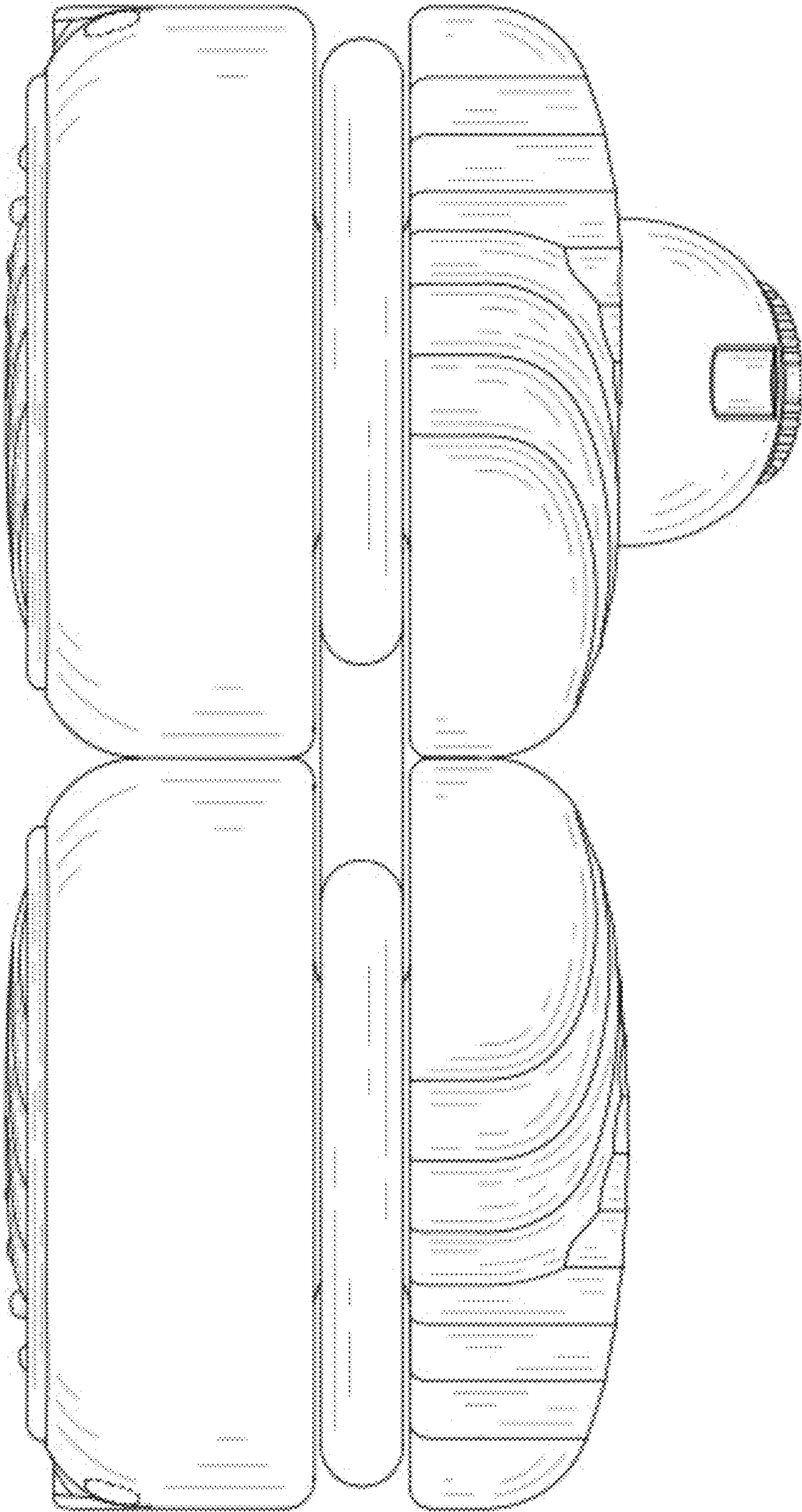


FIG. 7