



US00D978693S

(12) **United States Design Patent** (10) **Patent No.:** **US D978,693 S**
Oguchi (45) **Date of Patent:** **** Feb. 21, 2023**

(54) **LOAD DETECTOR FOR BED**

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(73) Assignee: **MINEBEA MITSUMI Inc.**, Nagano
(JP)

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

(21) Appl. No.: **29/781,942**

(22) Filed: **May 3, 2021**

(51) **LOC (14) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/91**

(58) **Field of Classification Search**

USPC D10/83, 87, 91
CPC A61G 7/0527; G01G 3/12; G01G 3/14;
G01G 3/1402; G01G 19/02; G01G
19/021; G01G 19/022; G01G 19/024;
G01G 19/025; G01G 19/027; G01G
19/03; G01G 19/44; G01G 19/445; G01G
19/46; G01G 23/012; G01L 3/1457
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,966,003 A * 6/1976 Miller G01G 3/1406
177/211
4,038,973 A * 8/1977 Moore A61G 11/00
177/144

D818,382 S * 5/2018 Sato G01G 3/1406
D10/104.1

D818,383 S * 5/2018 Sato D10/104.1

D850,958 S * 6/2019 Pan D10/91

11,359,959 B2 * 6/2022 Brame G01G 23/42

* cited by examiner

Primary Examiner — Antoine Duval Davis

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(57) **CLAIM**

The ornamental design for a load detector for bed, as shown
and described.

DESCRIPTION

FIG. 1 is a front, bottom and left-side perspective view of a
load detector for bed showing my new design;
FIG. 2 is a front, top and right-side perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is rear elevational view thereof;
FIG. 5 is a left-side elevational view thereof;
FIG. 6 is a right-side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines depict portions of the load detector for bed
that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

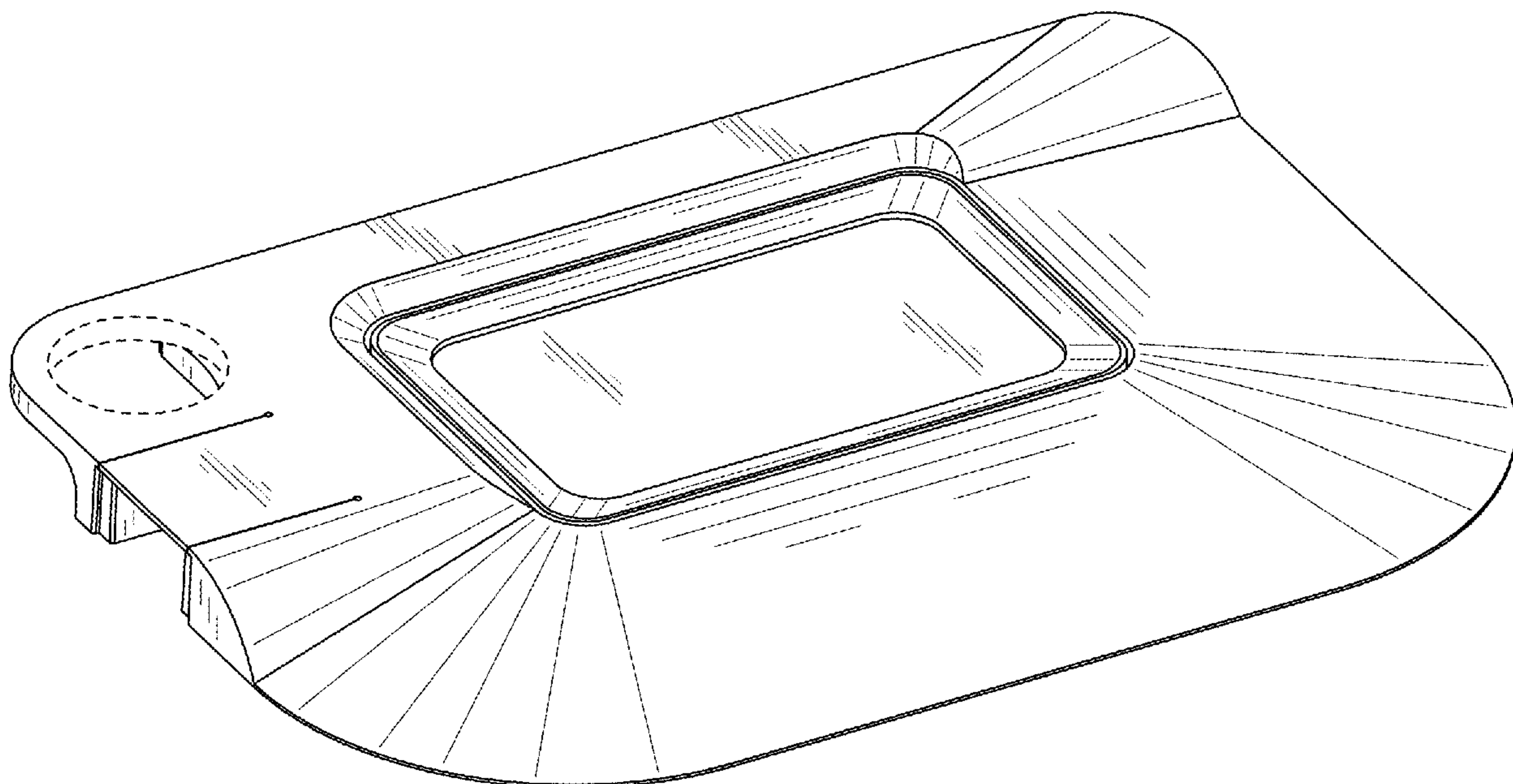


FIG. 1

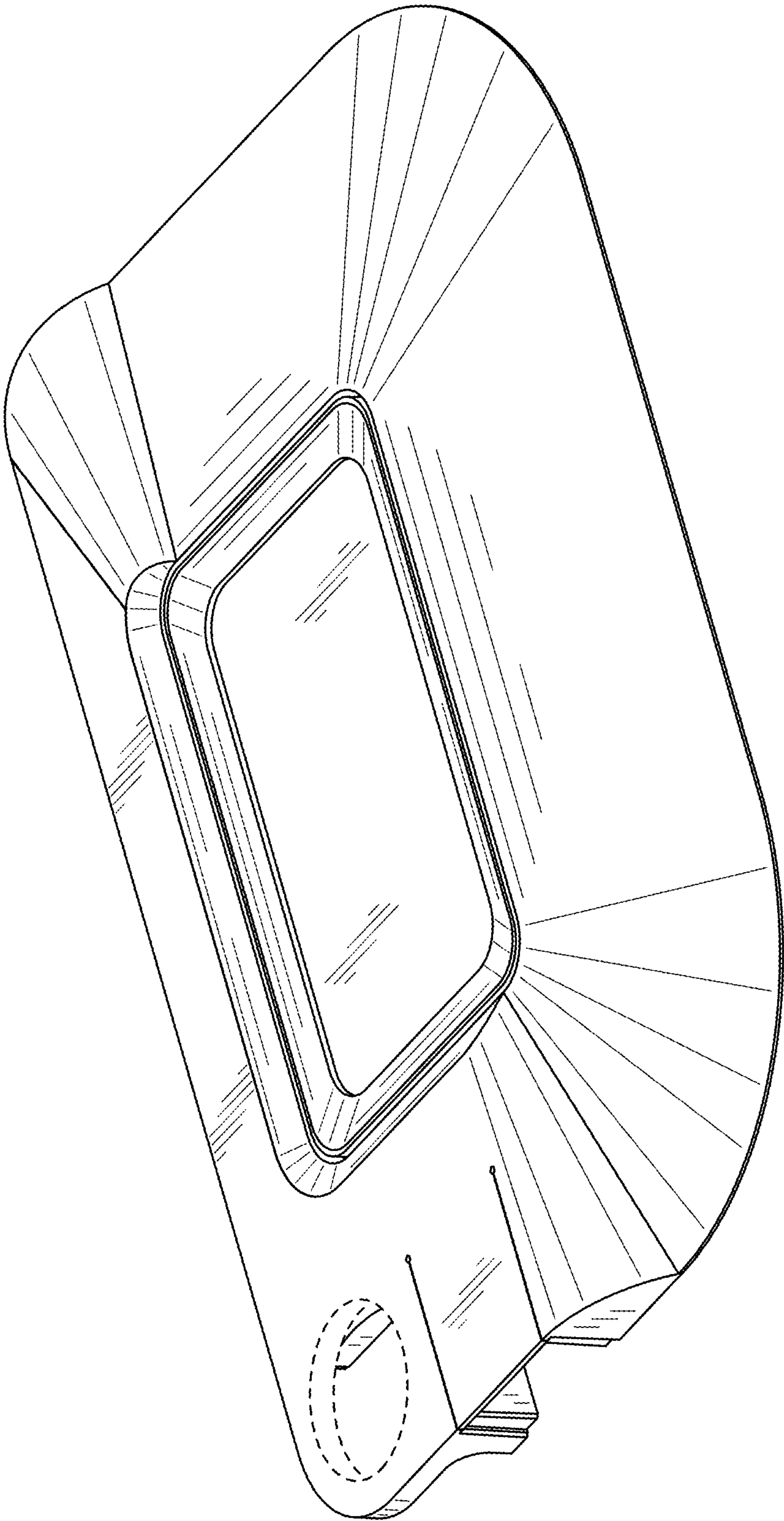


FIG. 2

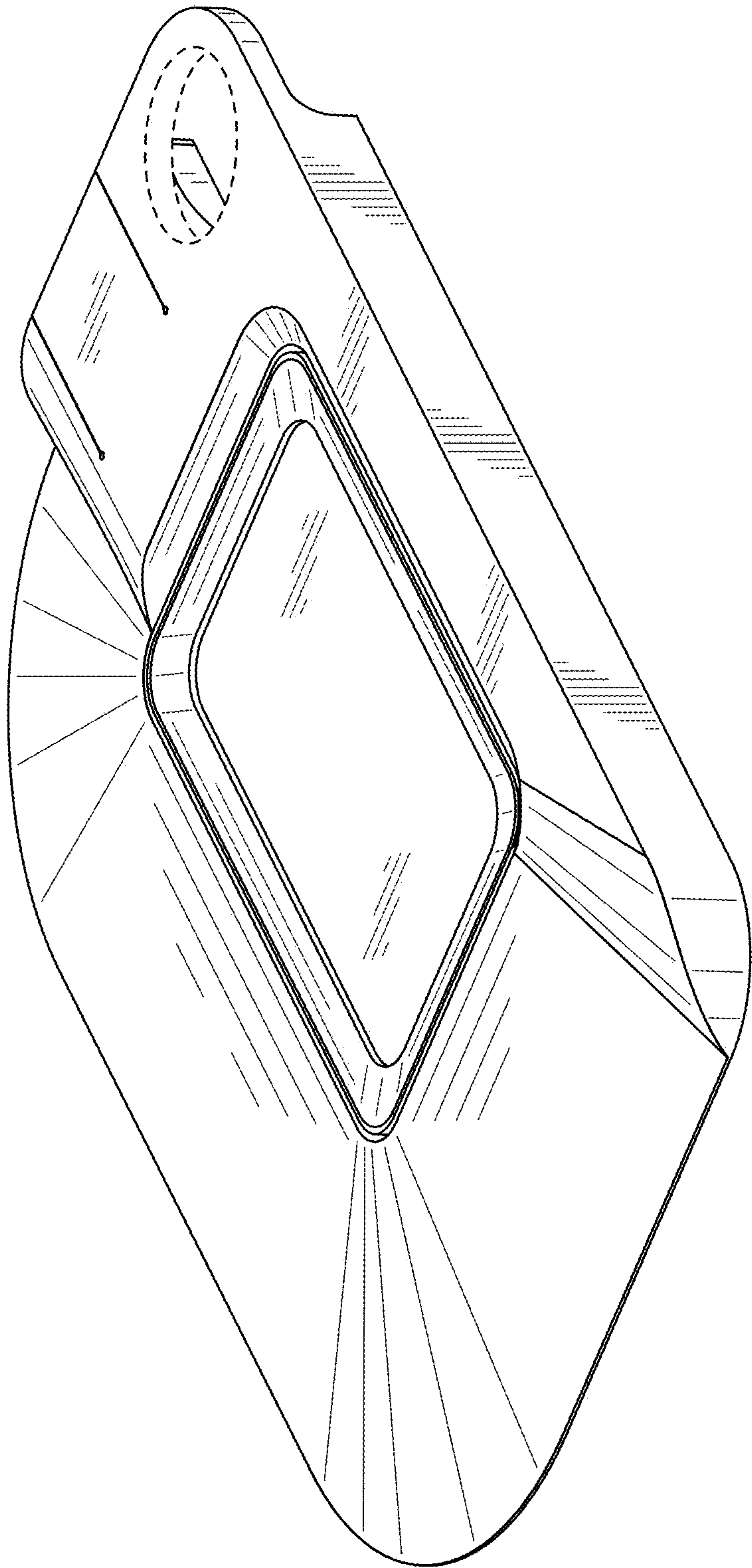


FIG. 3

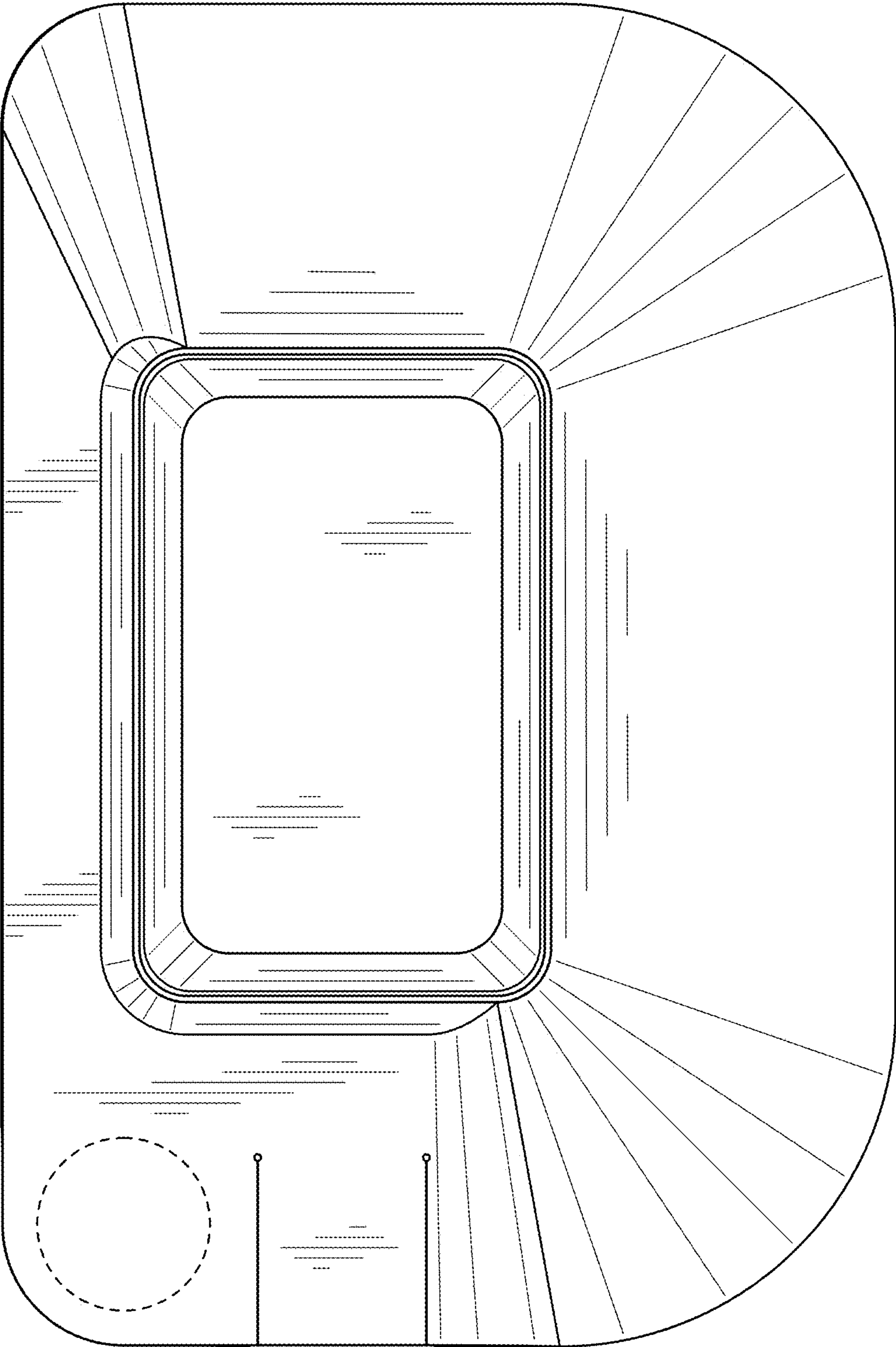


FIG. 4

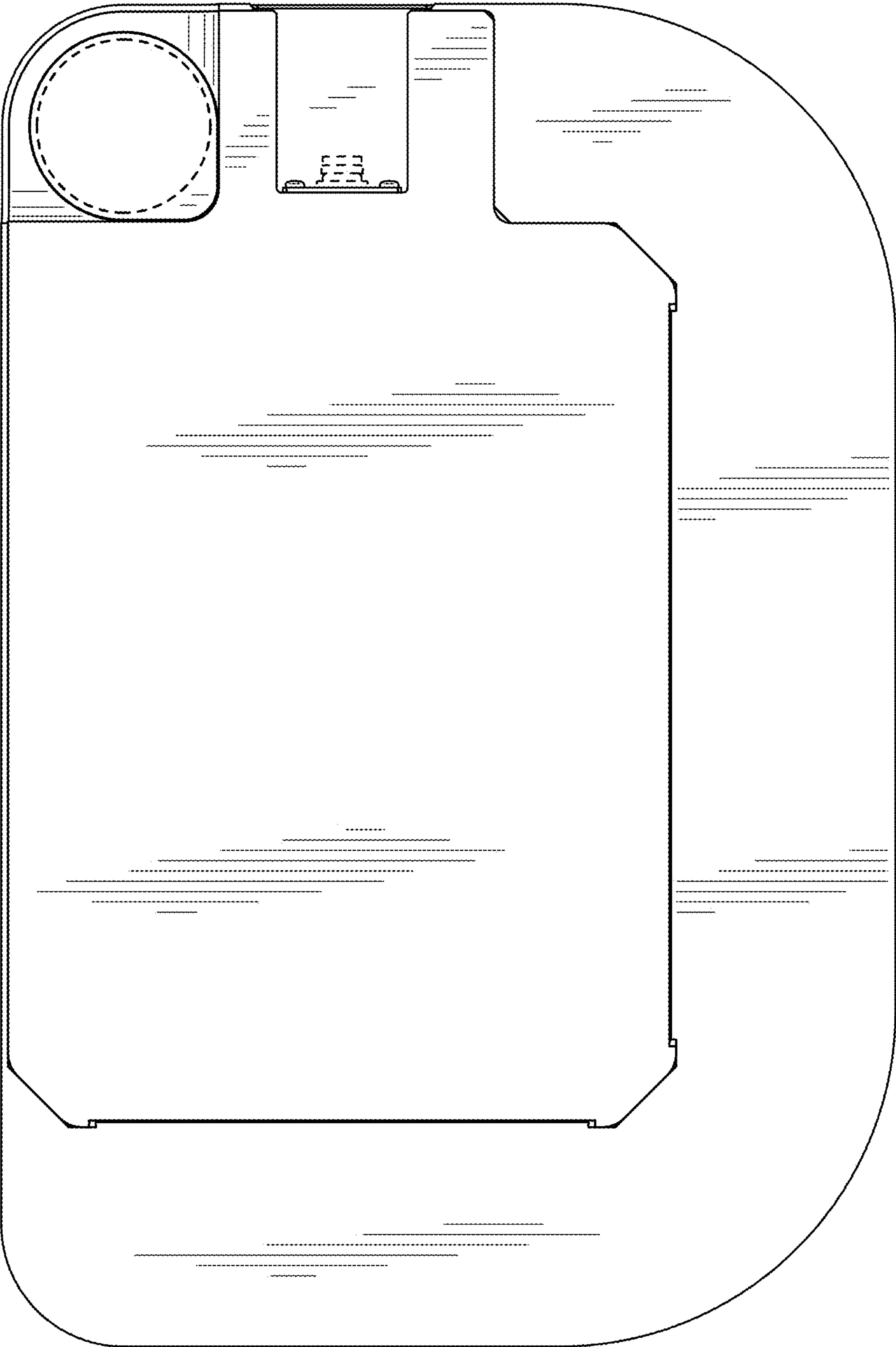


FIG. 5

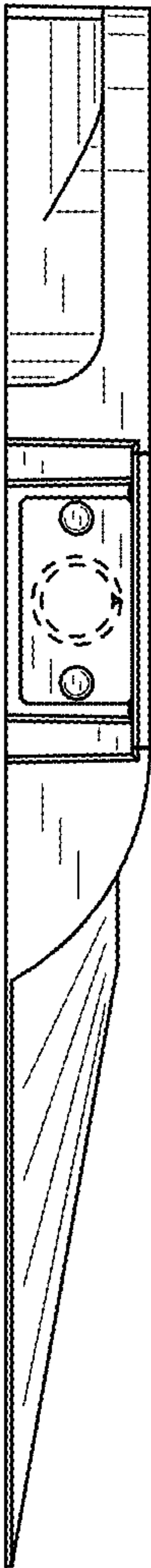


FIG. 6

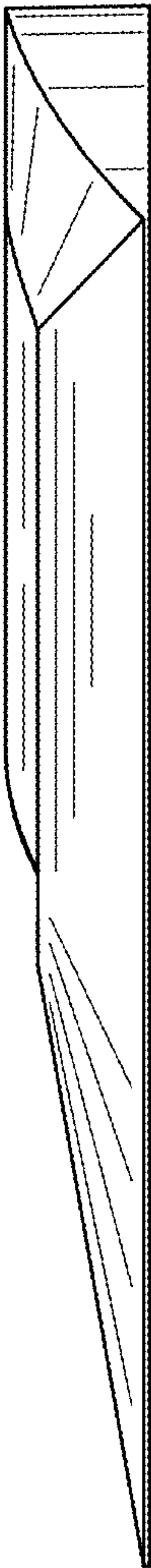
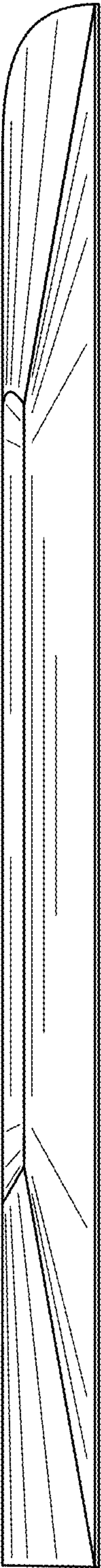


FIG. 7



FIG. 8



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D978,693 S
APPLICATION NO. : 29/781942
DATED : February 21, 2023
INVENTOR(S) : Shinya Oguchi

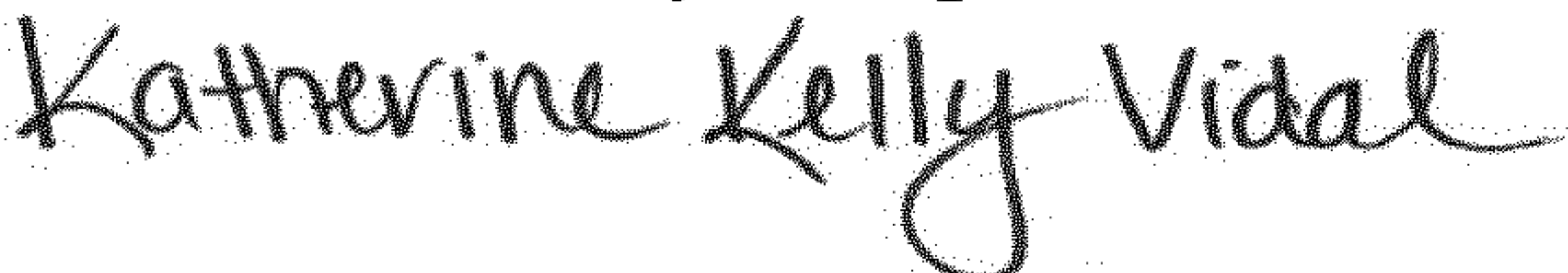
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (30) Foreign Application Priority Data, insert:

--Nov. 6, 2020 (JP).....JP2020-023979 D--

Signed and Sealed this
Eleventh Day of April, 2023


Katherine Kelly Vidal
Director of the United States Patent and Trademark Office