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(12) **United States Design Patent** (10) **Patent No.:** **US D904,629 S**
deBock et al. (45) **Date of Patent:** **** Dec. 8, 2020**

(54) **ELECTRICAL STIMULATOR**
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D456,520 S 4/2002 Suen
D475,463 S 6/2003 Leyde
D482,453 S 11/2003 Wade
D504,726 S 5/2005 Ryan
D504,953 S 5/2005 Ryan
D511,008 S 10/2005 Ryan
D539,916 S 4/2007 Baldachini
D571,476 S 6/2008 Chuang
D598,113 S 8/2009 Flaction
D603,968 S 11/2009 Brefka
D603,971 S 11/2009 Gonzales
D616,103 S 5/2010 Ford-Robertson
D658,304 S 4/2012 Rundle
D665,085 S * 8/2012 Strother D24/187
D674,105 S 1/2013 Rundle
8,463,383 B2 * 6/2013 Sakai A61N 1/0496
607/118
2008/0065182 A1 * 3/2008 Strother A61N 1/36021
607/115
2010/0036445 A1 * 2/2010 Sakai A61N 1/36003
607/2

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

(Continued)

(21) Appl. No.: **29/651,462**

Primary Examiner — Wan Laymon

(22) Filed: **Aug. 16, 2018**

(74) Attorney, Agent, or Firm — McDonald Hopkins LLC

(51) **LOC (12) Cl.** **28-03**

(57) **CLAIM**

(52) **U.S. Cl.**

The ornamental design for an electrical stimulator, as shown and described.

USPC **D24/200**

DESCRIPTION

(58) **Field of Classification Search**

USPC D24/200, 215, 186–187; 607/46, 48, 50
CPC A61N 1/36021; A61N 1/36003; A61N 1/36014; A61N 1/36017; A61N 1/36071; A61N 1/0456; A61N 1/08; A61N 1/32; A61N 1/36

FIG. 1 is a top perspective view of an electrical stimulator showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a first side view thereof;
FIG. 5 is a second side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

See application file for complete search history.

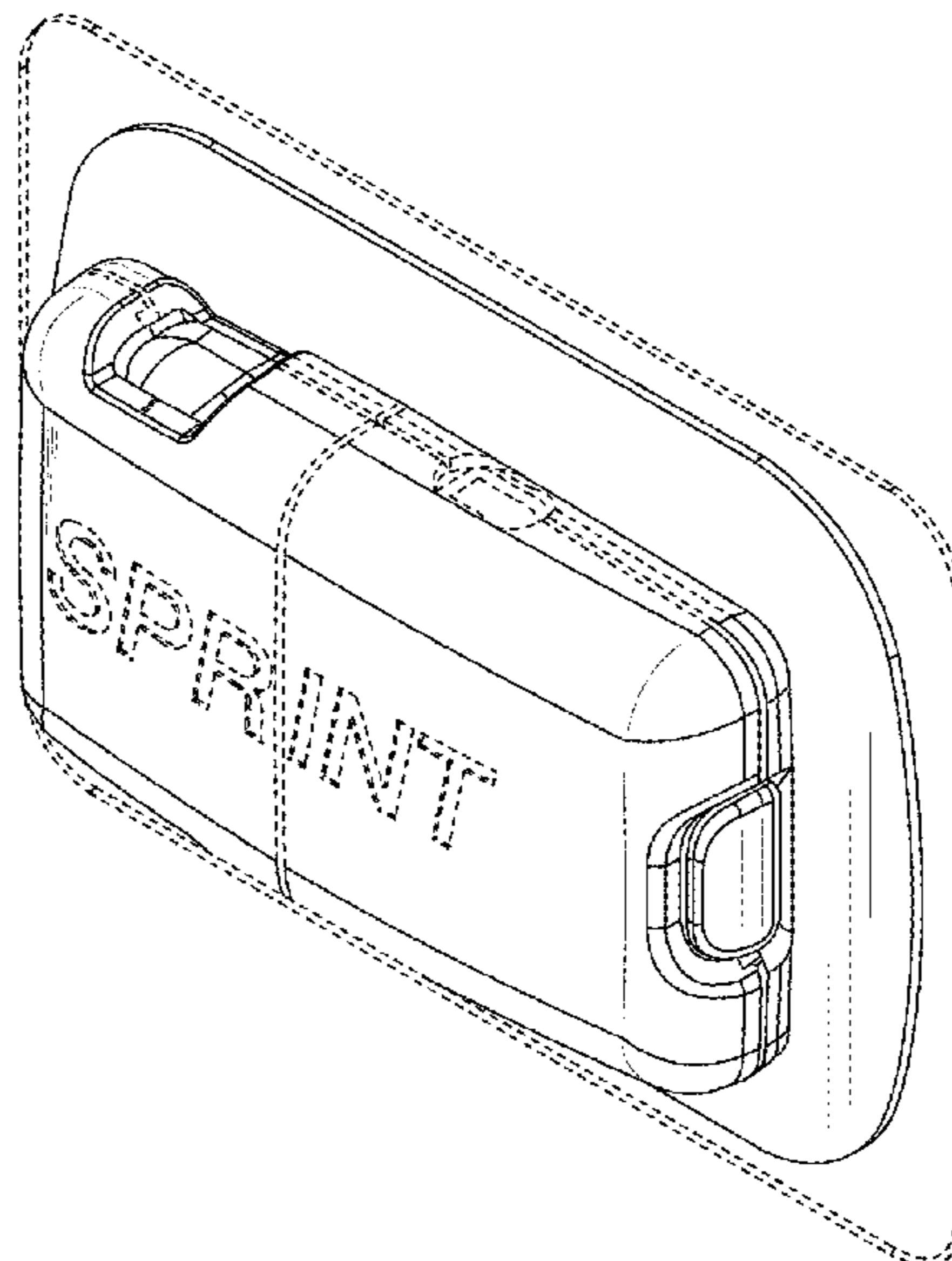
The broken lines in the figures are included for the purpose of illustrating portions of an electrical stimulator and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,556,051 A 12/1985 Maurer
D363,553 S 10/1995 Lee
6,021,353 A 2/2000 Wang
6,122,554 A 9/2000 Coral

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0096641 A1* 4/2013 Strother A61N 1/36021
607/46

* cited by examiner

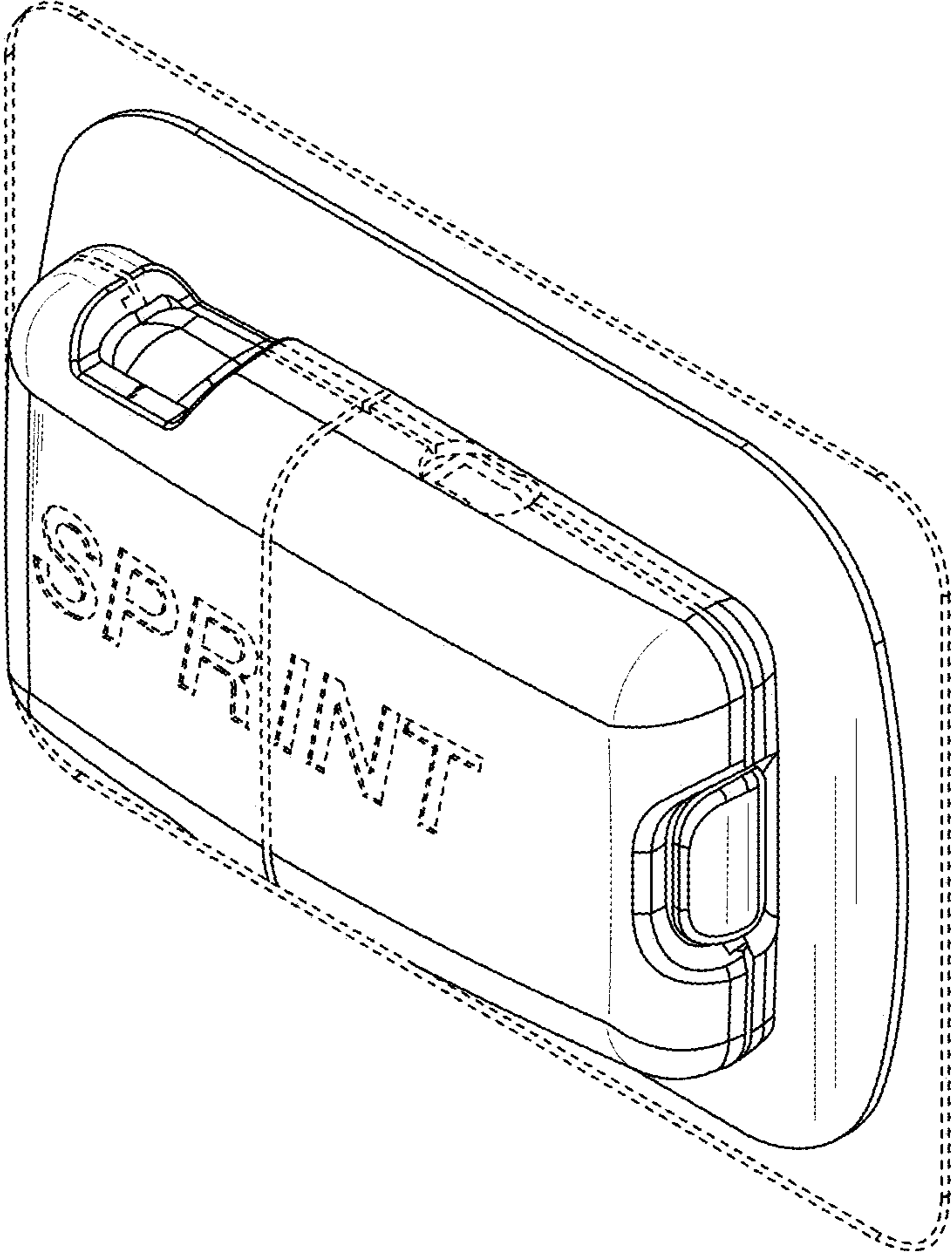


FIG. 1

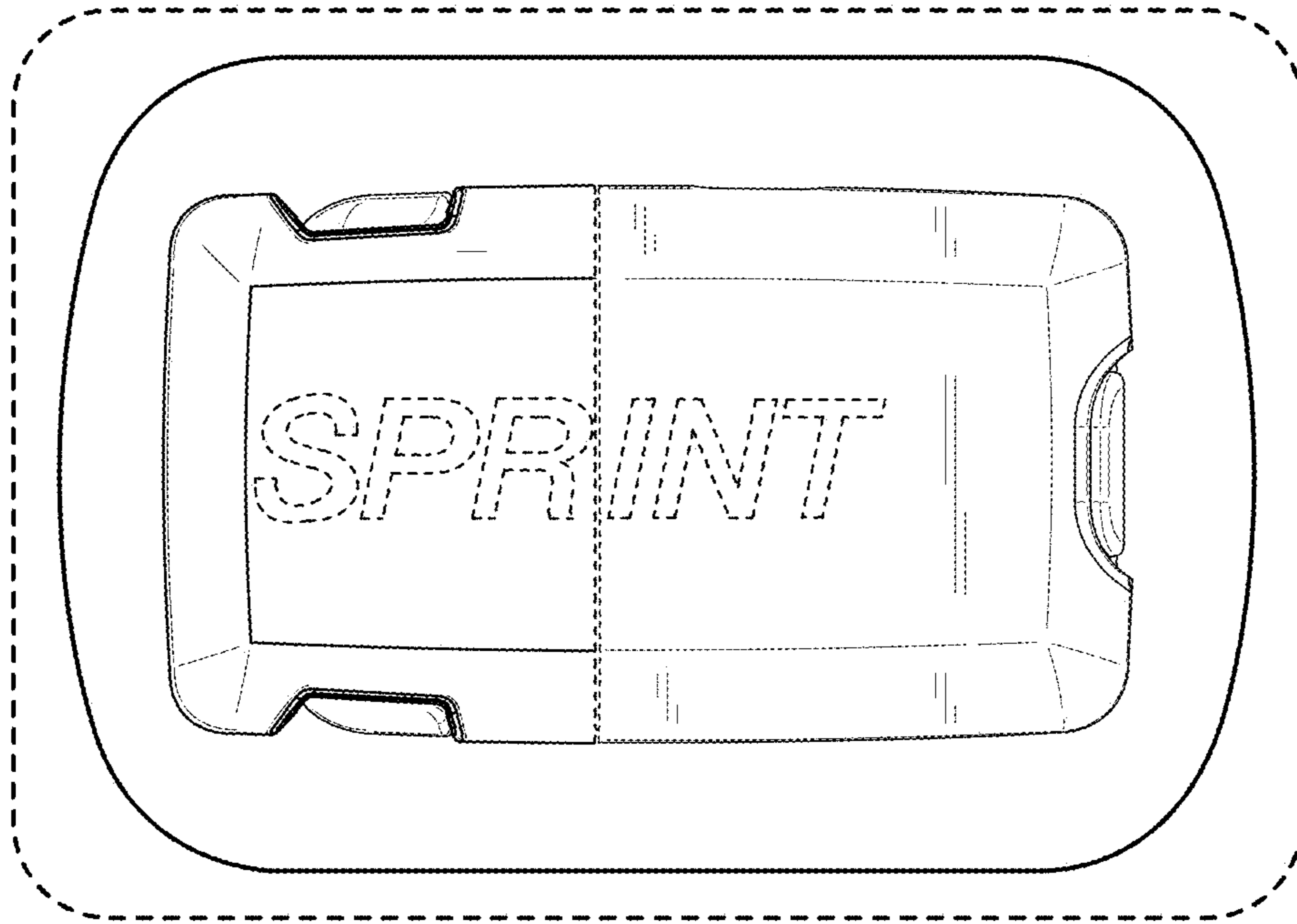


FIG. 2



FIG. 3

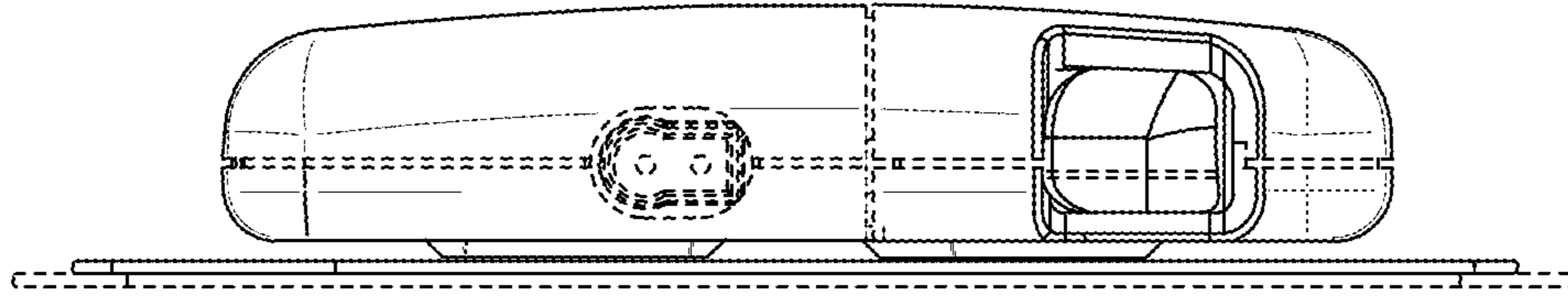


FIG. 4

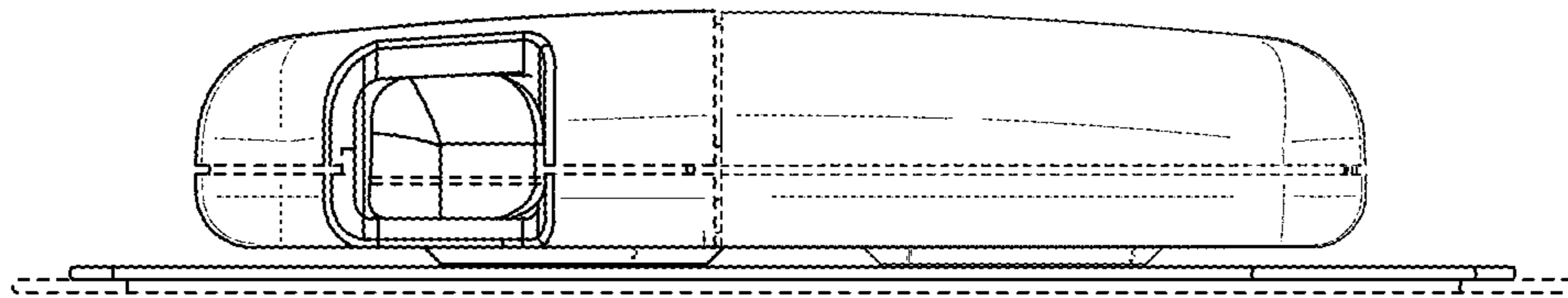


FIG. 5

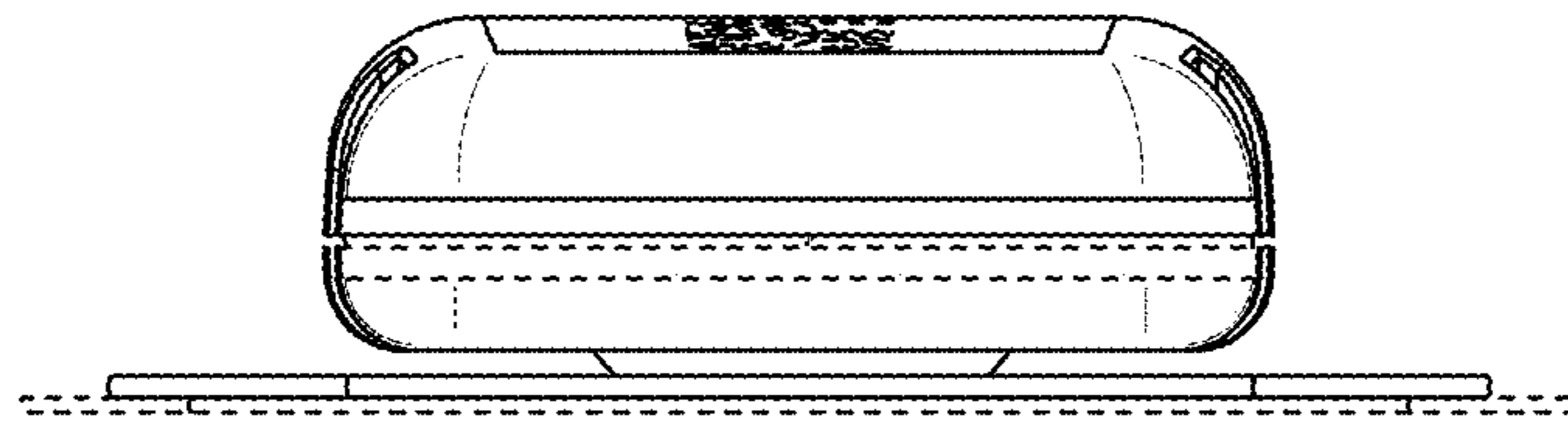


FIG. 6

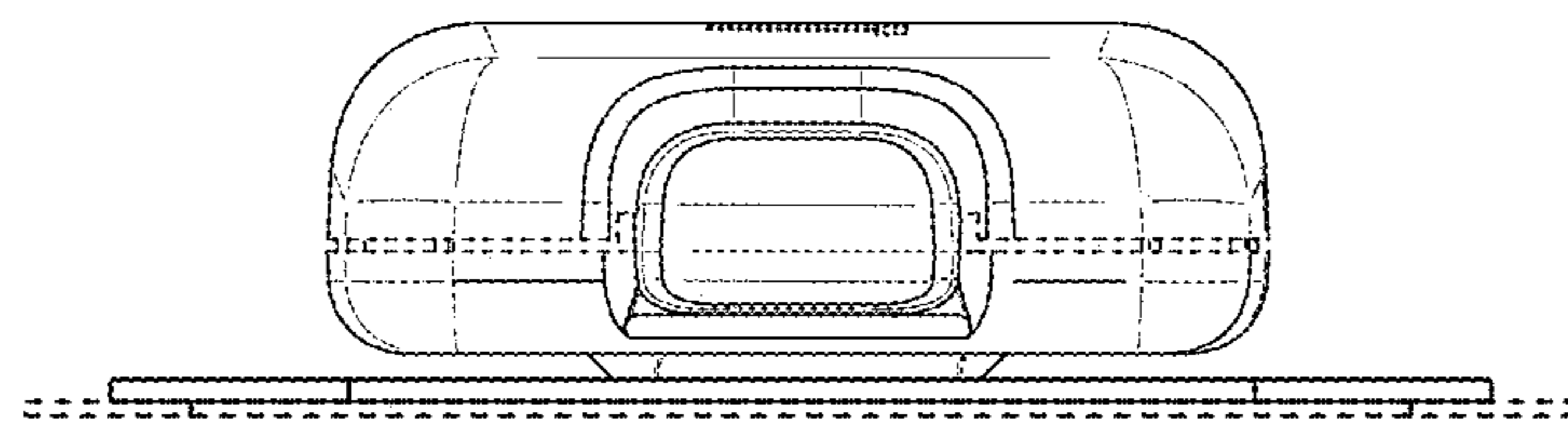


FIG. 7