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Qiu et al.

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(54) **BATTERY**

(71) Applicant: **JOYETECH EUROPE HOLDING GMBH, Zug (CH)**

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(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/103; D27/167**

(58) **Field of Classification Search**
USPC D27/100, 101, 139, 141, 148, 161-171, D27/183, 185-194, 142-144, 180; D13/108, 144, 103, 119, 146, 168; D24/110, 110.5, 129, 113, 112; D23/360, D23/364-366, 202, 262, 209, 207; D19/66, 73, 115, 123, 173, 177, 923, D19/925-929, 934, 161-166, 194-196; D14/434, 480.5, 480.1, 480.3, 483, 484.1, D14/420, 426, 250, 137, 203.1, 203.3, D14/203.7, 218, 254, 411, 433-435, D14/435.1; D4/121; D9/500, 503, 504, D9/516, 517, 522, 523, 530, 531, 560, D9/444; D11/143, 156, 146, 54, 152, D11/149, 144; D28/85, 4, 7, 88, 90, D28/73-76, 77; D3/201, 11, 13, 17, 273, D3/274, 300

CPC A24F 40/00; A24F 40/40; A24F 40/42; A24F 40/05; A24F 40/46; A24F 47/002; A24F 47/008; A24D 1/14; A24D 1/042; A24D 1/02; G06F 3/03545
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|--------------|---------|---------|---------|
| D307,061 S * | 4/1990 | Nitta | D27/141 |
| D683,305 S * | 5/2013 | Gupta | D13/103 |
| D769,520 S * | 10/2016 | Hua | D27/167 |
| D770,972 S * | 11/2016 | Kruglak | D13/107 |
| D773,114 S * | 11/2016 | Leidel | D27/163 |
| D776,051 S * | 1/2017 | Wang | D13/103 |
| D784,922 S * | 4/2017 | Liden | D13/107 |
| D790,766 S * | 6/2017 | Li | D27/163 |
| D792,020 S * | 7/2017 | Mendoza | D27/101 |

(Continued)

FOREIGN PATENT DOCUMENTS

CN 305058065 * 3/2010

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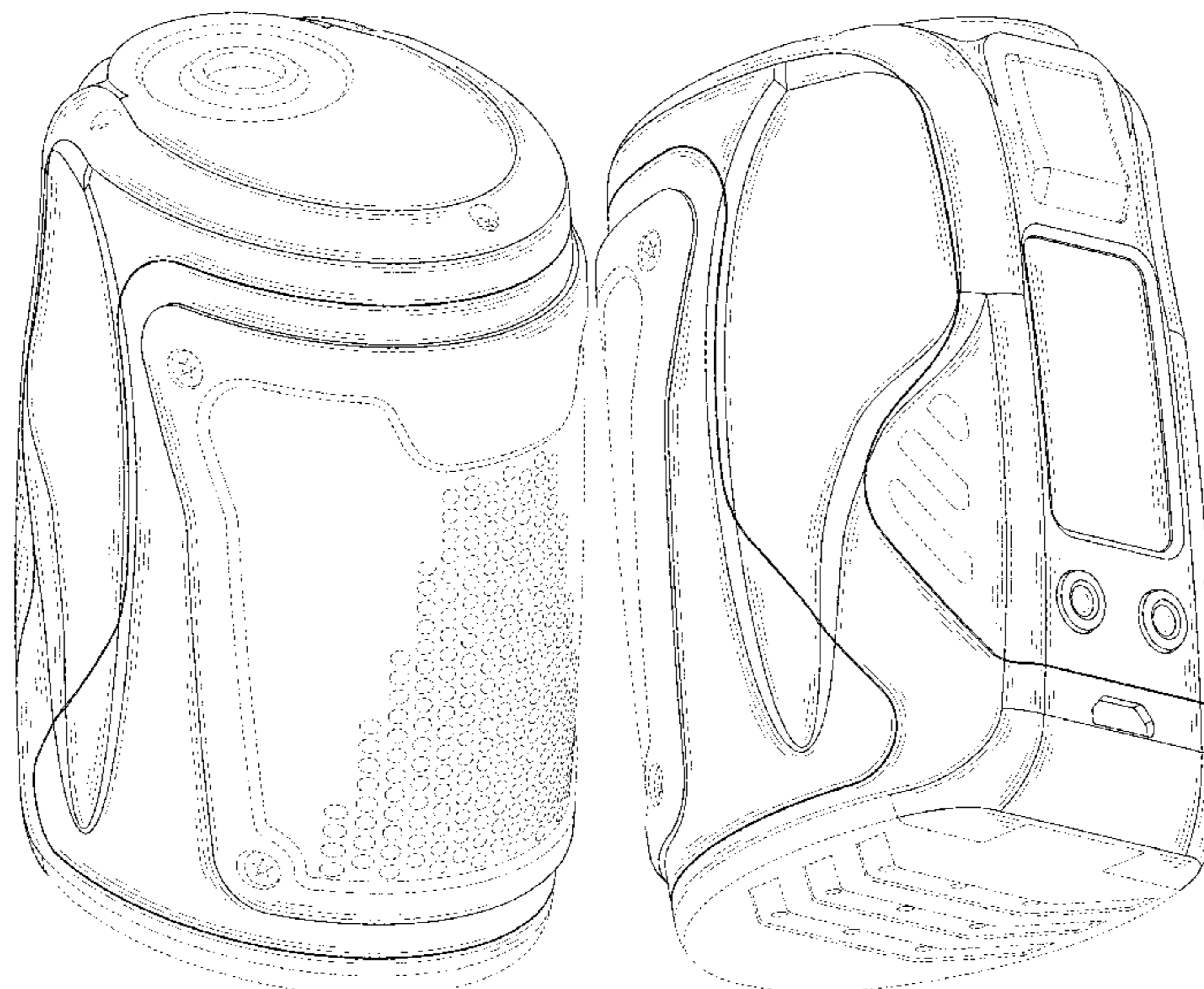
(57) **CLAIM**

The ornamental design for a battery, as shown and described.

DESCRIPTION

FIG. 1 is a top, left front perspective view of a battery showing our new design;
FIG. 2 is a bottom, right back perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left-side view thereof;
FIG. 6 is a right-side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.
The broken lines shown in the drawings depict portions of the battery that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|------|---------|----------|-------|--------------|
| D800,058 | S * | 10/2017 | Qiu | ..... | D13/103 |
| D807,576 | S * | 1/2018 | Liu | ..... | D27/163 |
| D809,192 | S * | 1/2018 | Liu | ..... | D27/163 |
| 9,867,399 | B1 * | 1/2018 | Liu | ..... | A24F 47/008 |
| D821,639 | S * | 6/2018 | Dai | ..... | D27/162 |
| D828,953 | S * | 9/2018 | Chen | ..... | D27/167 |
| D829,375 | S * | 9/2018 | Huang | ..... | D27/162 |
| D834,746 | S * | 11/2018 | Liu | ..... | D27/162 |
| D842,238 | S * | 3/2019 | Qiu | ..... | D13/103 |
| D842,243 | S * | 3/2019 | Qiu | ..... | D13/108 |
| D863,672 | S * | 10/2019 | Liu | ..... | D27/162 |
| D870,034 | S * | 12/2019 | Lai | ..... | D13/103 |
| D881,458 | S * | 4/2020 | Ouyang | ..... | D27/162 |
| D883,565 | S * | 5/2020 | Li | ..... | D27/162 |
| D892,039 | S * | 8/2020 | Chen | ..... | D13/103 |
| D906,954 | S * | 1/2021 | Ouyang | ..... | D13/103 |
| D910,234 | S * | 2/2021 | Sun | ..... | D27/162 |
| 2017/0079327 | A1 * | 3/2017 | Wu | ..... | H02J 7/0042 |
| 2017/0245550 | A1 * | 8/2017 | Freeland | ..... | A61M 15/0051 |
| 2018/0166238 | A1 * | 6/2018 | Chen | ..... | H01H 36/02 |

* cited by examiner

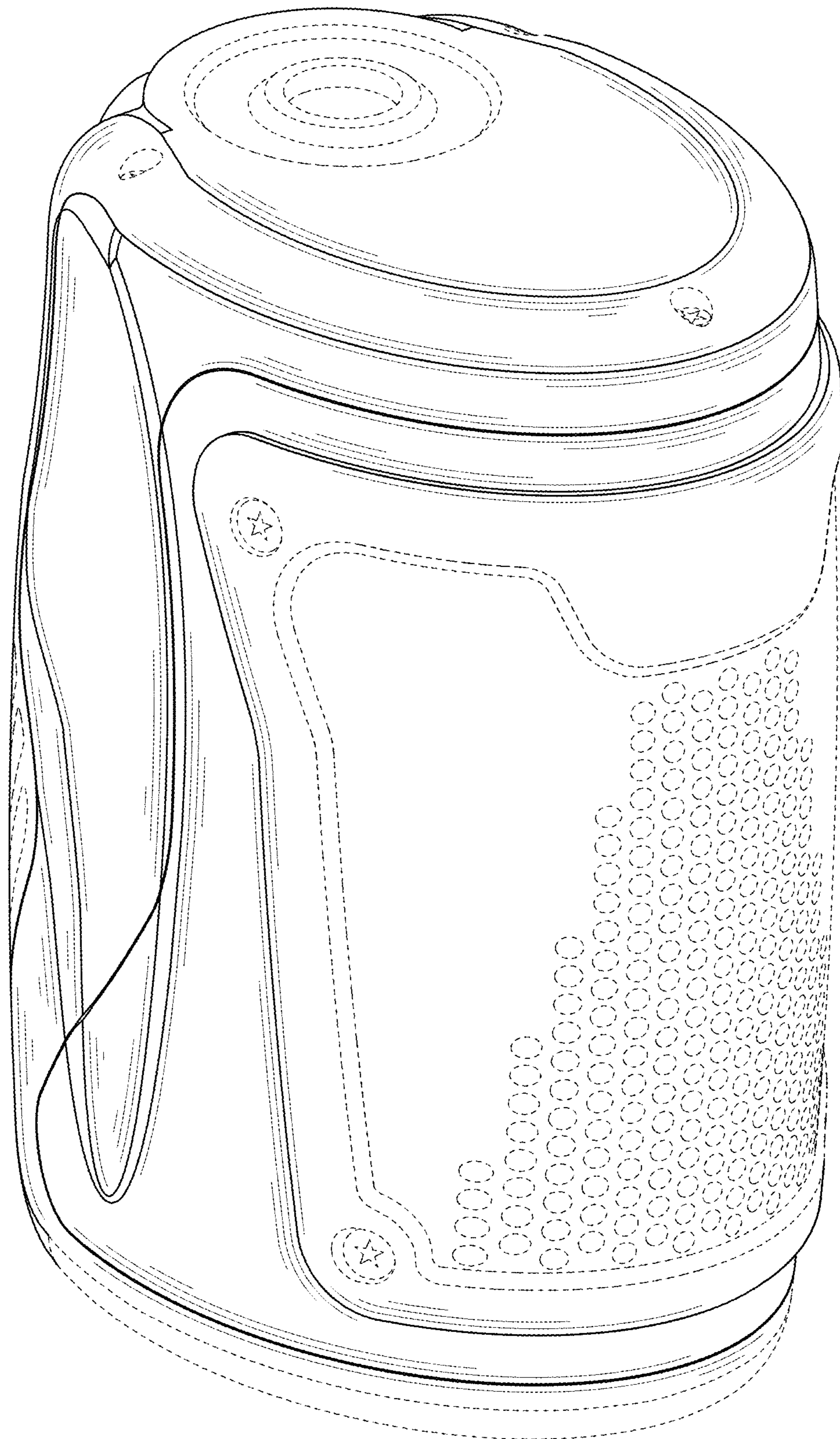


FIG. 1

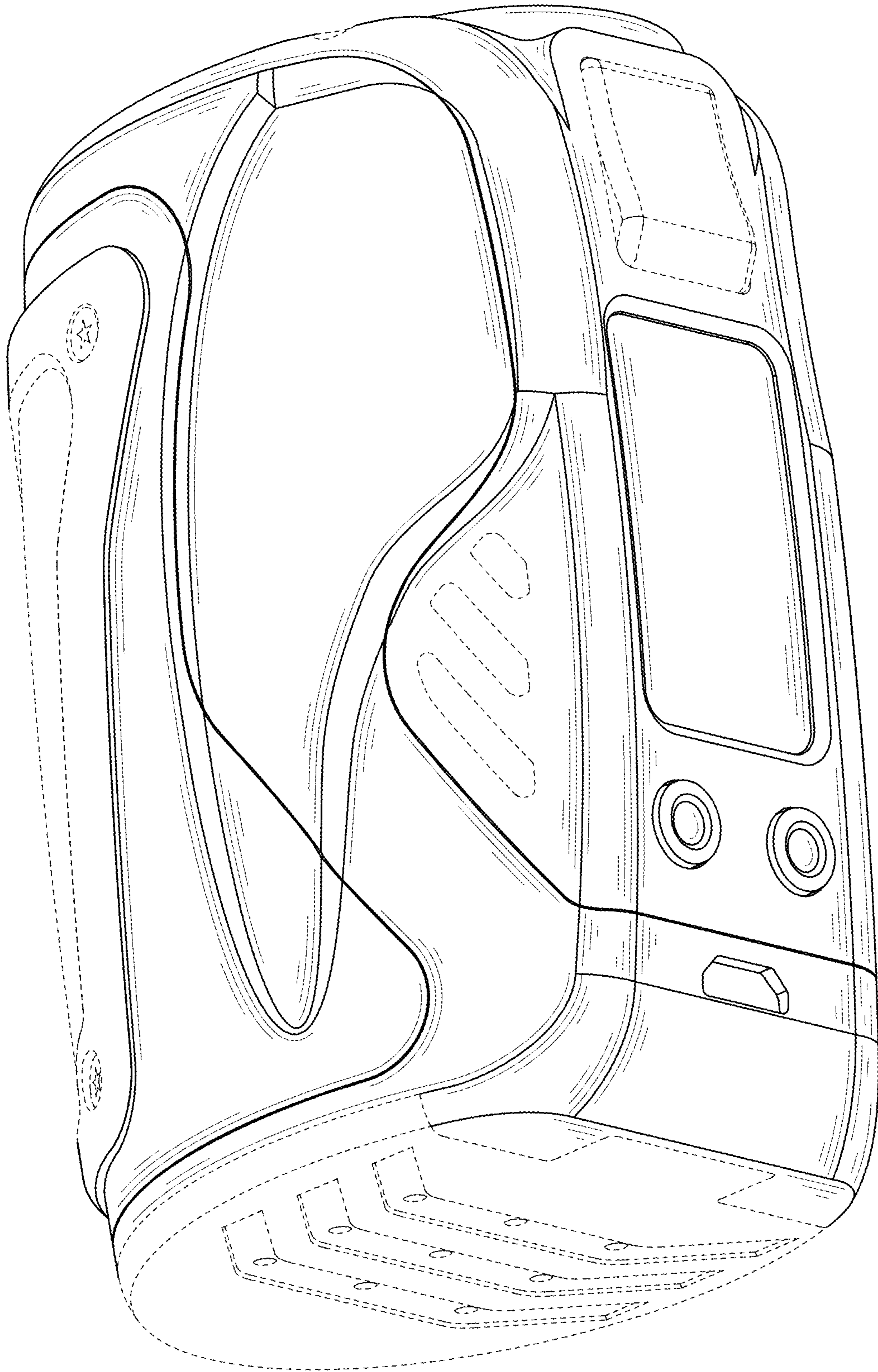


FIG. 2

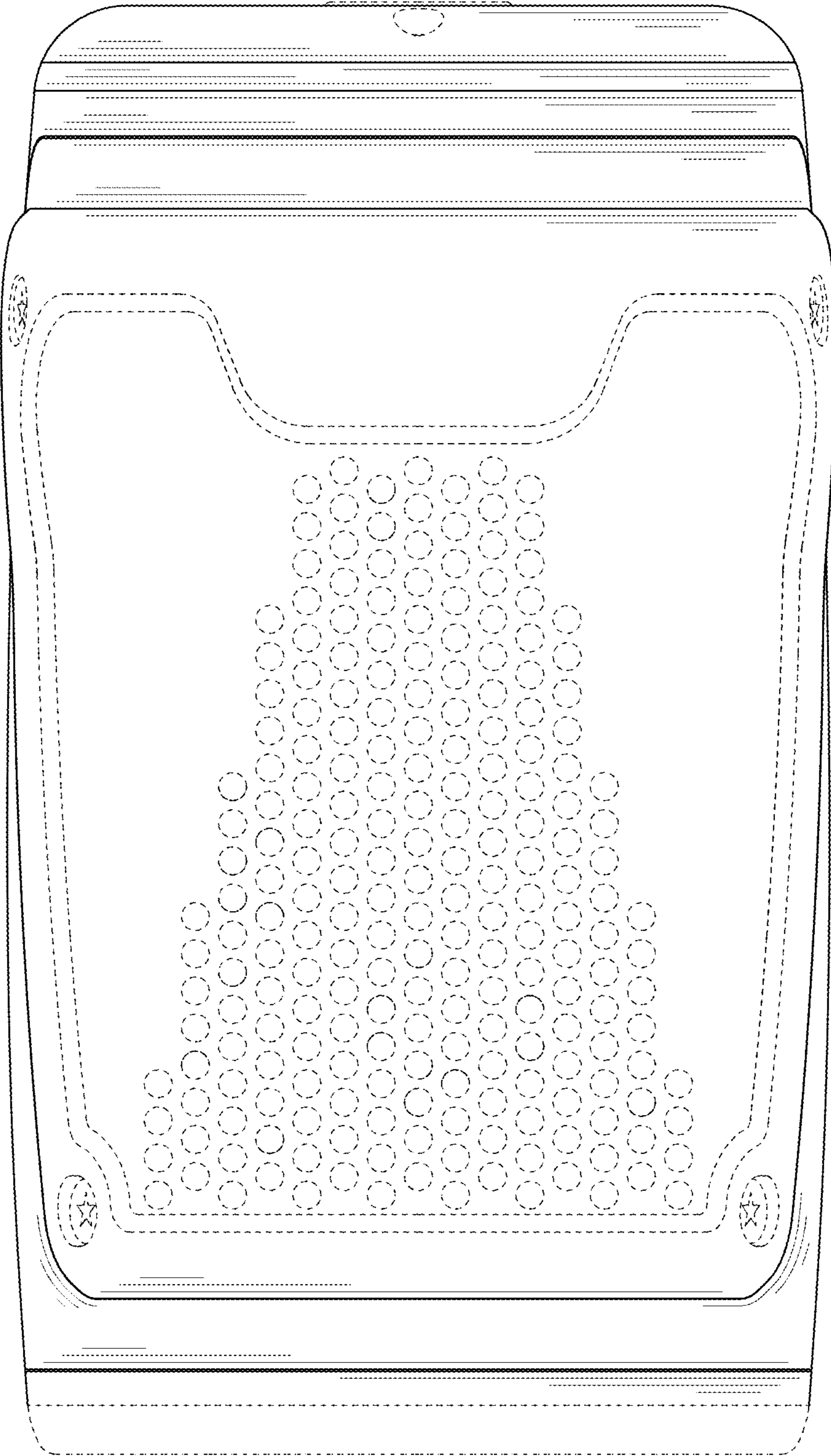


FIG. 3

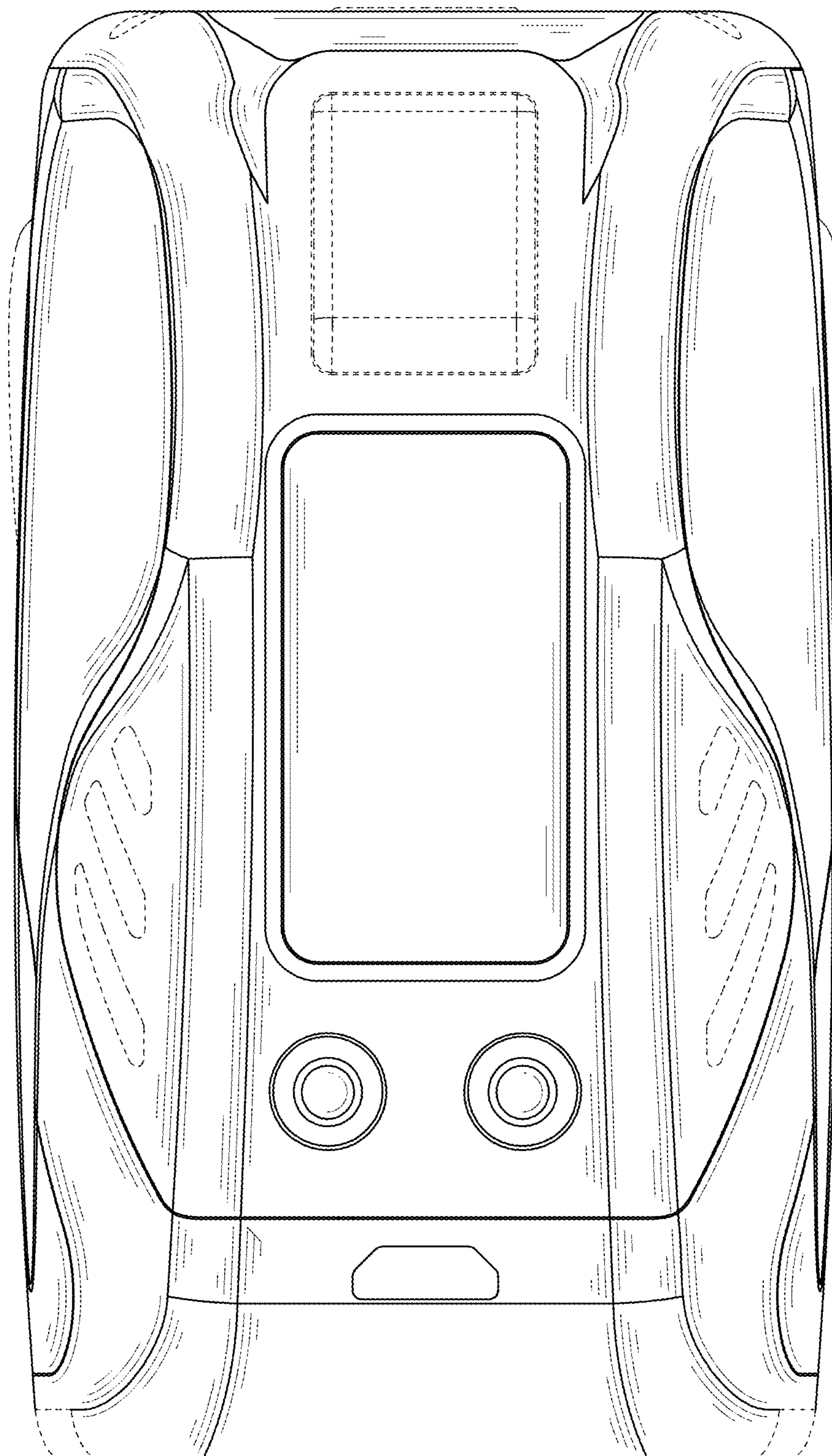


FIG. 4

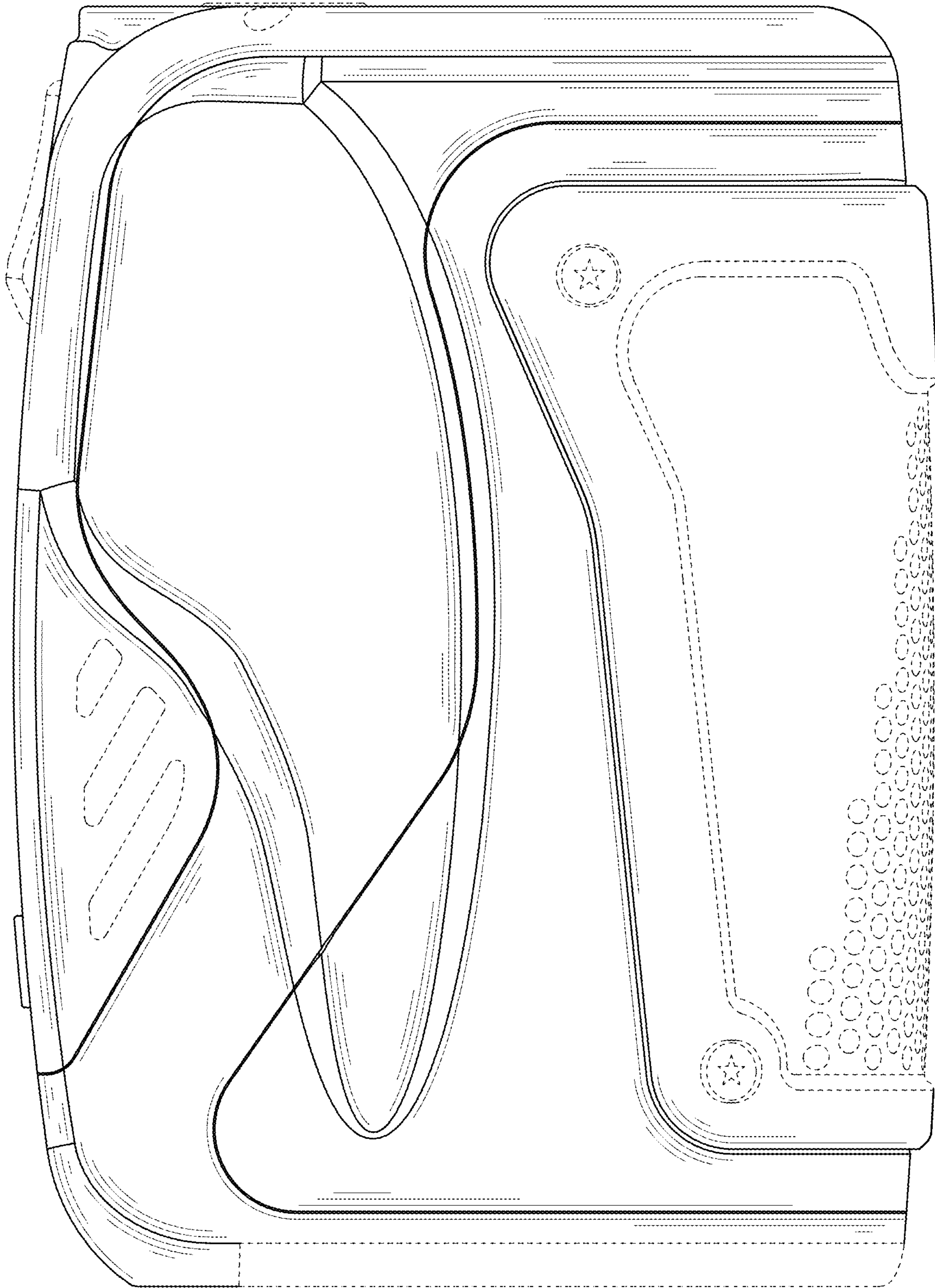


FIG. 5

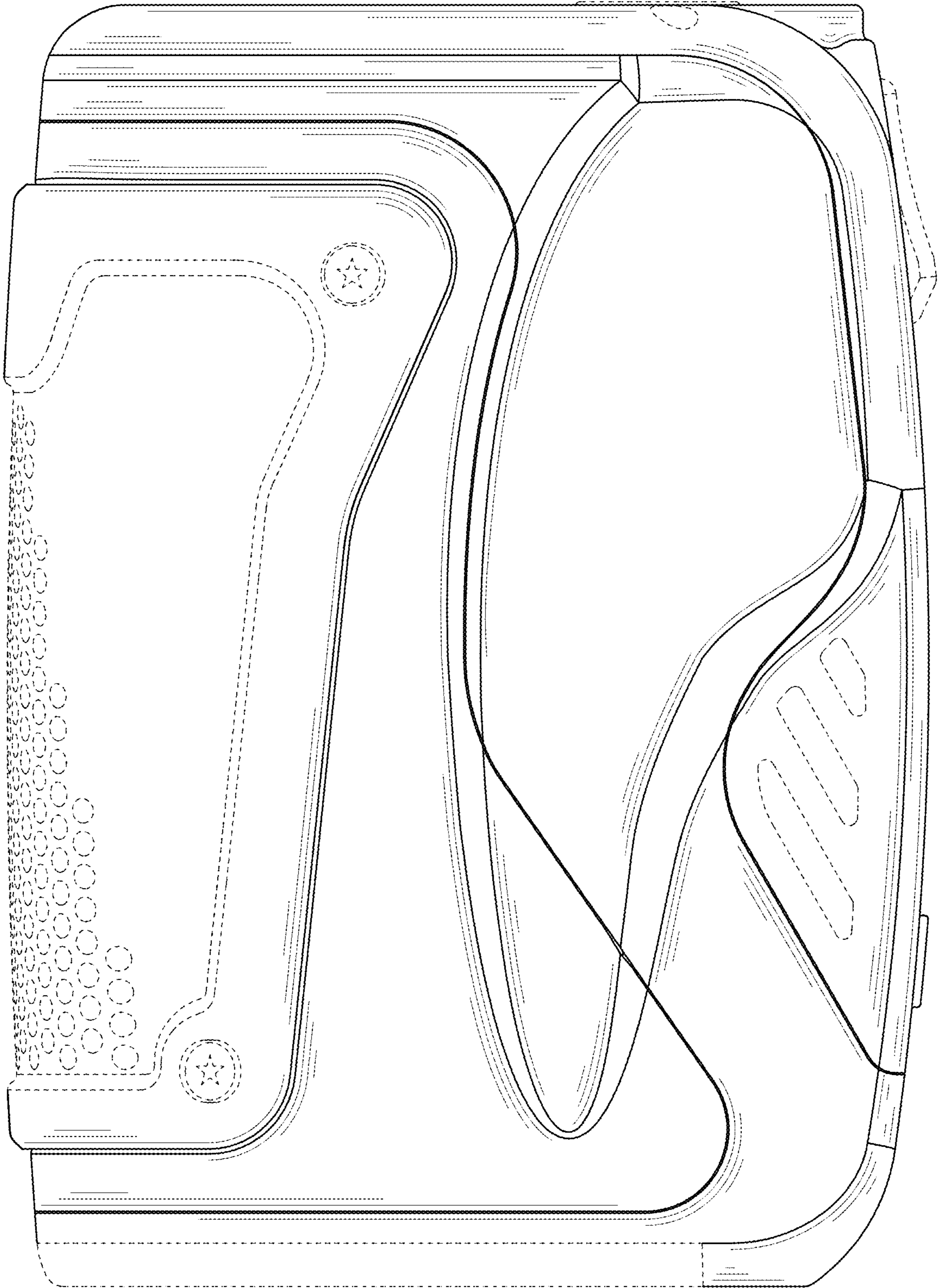


FIG. 6

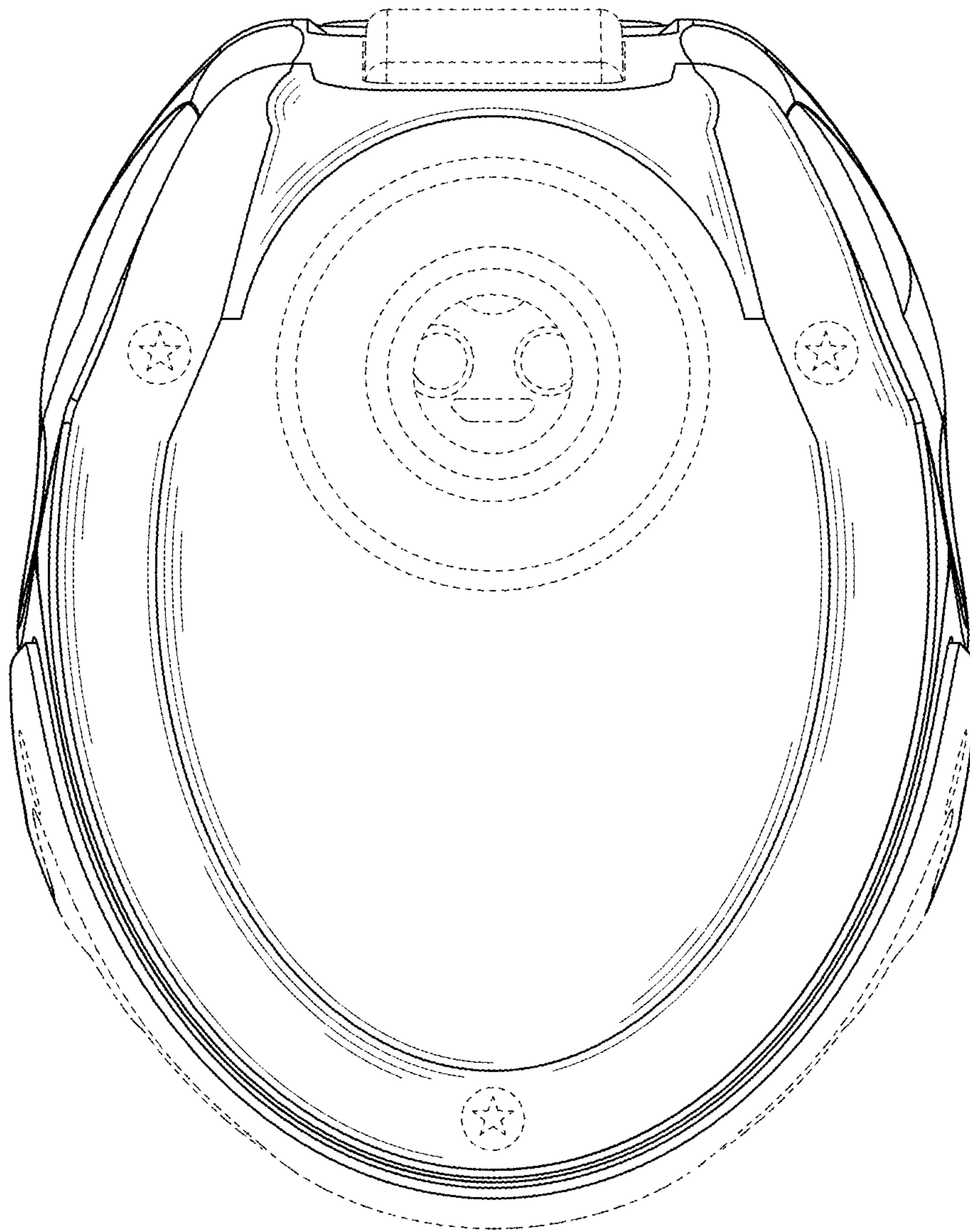


FIG. 7

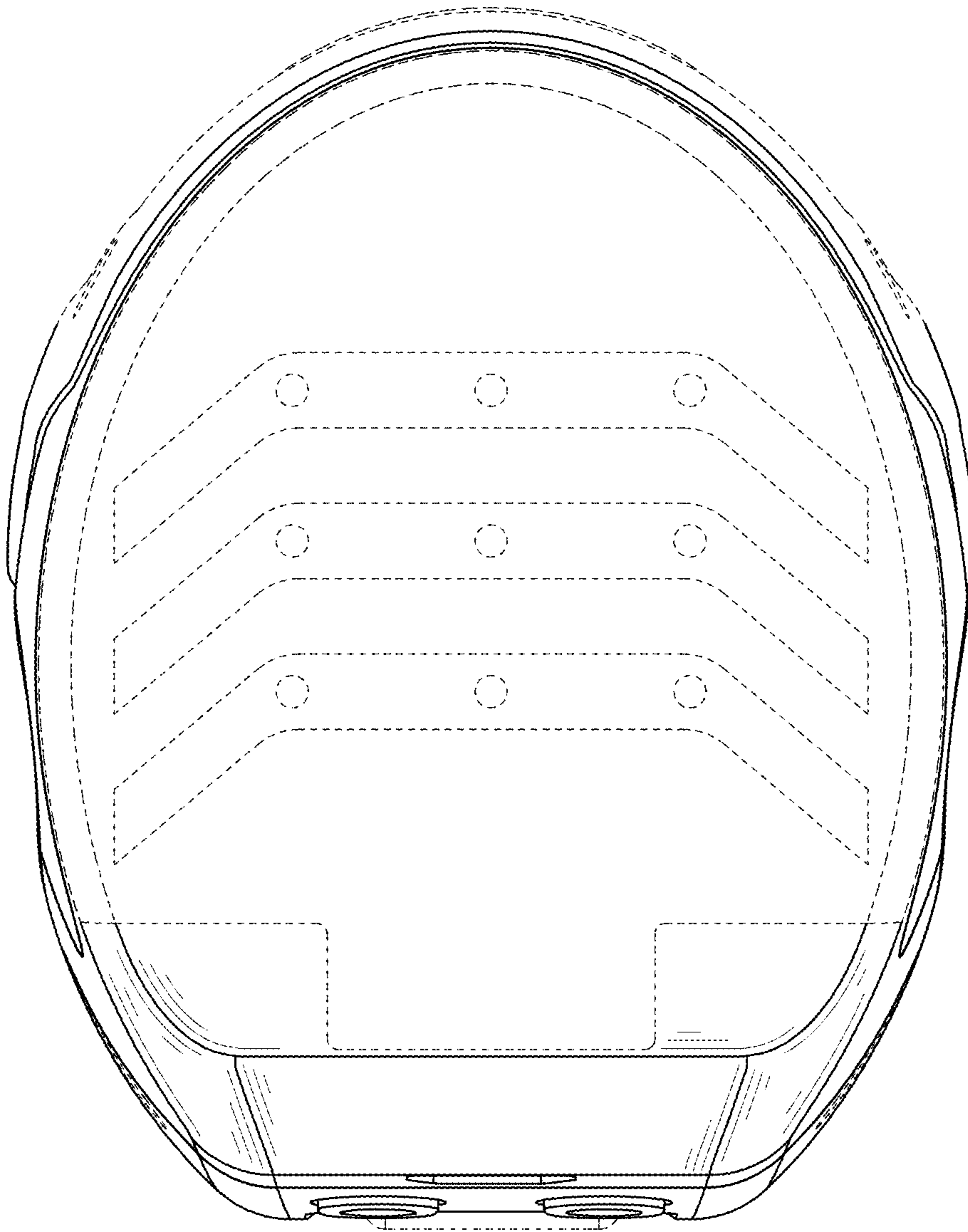


FIG. 8