



US00D871499S

(12) **United States Design Patent**
Kuroda et al.

(10) **Patent No.:** **US D871,499 S**

(45) **Date of Patent:** **** Dec. 31, 2019**

(54) **BANKNOTE HANDLING MACHINE**

(71) Applicant: **GLORY LTD.**, Himeji-shi, Hyogo (JP)

(72) Inventors: **Takayuki Kuroda**, Hyogo (JP); **Aiko Sanda**, Hyogo (JP); **Kenta Takahashi**, Hyogo (JP)

(73) Assignee: **GLORY LTD.**, Himeji-shi, Hyogo (JP)

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

(21) Appl. No.: **29/628,084**

(22) Filed: **Dec. 1, 2017**

(30) **Foreign Application Priority Data**

Jun. 19, 2017 (JP) 2017-013133

(51) **LOC (12) Cl.** **18-01**

(52) **U.S. Cl.**
USPC **D18/3.3**; D99/28; D18/12.1

(58) **Field of Classification Search**
USPC ... D18/3.3, 3.1, 3.2, 4.1, 4.4, 12, 12.1, 12.2, D18/12.3, 46, 47, 56, 59; D14/300, 301, D14/302, 303, 307, 308, 348, 349, 432, D14/439, 441, 448, 449, 462, 469, 471, D14/900, 901, 902; D10/96, 97; D99/28, 34, 35, 43, 99; D19/65, 86, 100, D19/95, 99; D20/1, 8, 9

CPC G07G 1/00; G07G 1/0009; G07G 1/0036; G07G 1/10; G07G 1/12; G07D 7/00; G07D 7/04; G07D 9/008; G07D 11/00; G07D 11/009; G07D 11/0093; G07D 11/50; G07D 2207/00; G07D 2211/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D187,767 S * 4/1960 Bacevius D19/74
D396,699 S * 8/1998 Vackar D14/349

D405,063 S * 2/1999 Lee D14/351
D442,176 S * 5/2001 Wolff D14/349
D445,108 S * 7/2001 Lee D14/349
D445,419 S * 7/2001 Lee D14/349
D448,773 S * 10/2001 Massaro D14/441
D454,132 S * 3/2002 Lord D14/439
D454,421 S * 3/2002 Jeon D18/3.3
D464,964 S * 10/2002 Chien D14/349
D502,704 S * 3/2005 Cervantes D14/349
D510,736 S * 10/2005 Chen D14/300
D518,481 S * 4/2006 Chen D14/349

(Continued)

OTHER PUBLICATIONS

FY2014 Creating Secure Societies _ CSR Highlight _ CSR _ Glory Group. glory-request.com. (online) 2 pgs. FY2014. Feature 2015. [Retrieved on Jun. 24, 2019] http://glory-request.com/csr/feature/2015/feature2015_02.html.*

(Continued)

Primary Examiner — Marie D. Fast Horse

(74) *Attorney, Agent, or Firm* — Renner Kenner Greive Bobak Taylor and Weber; Tim Hodgkiss; Edward Greive

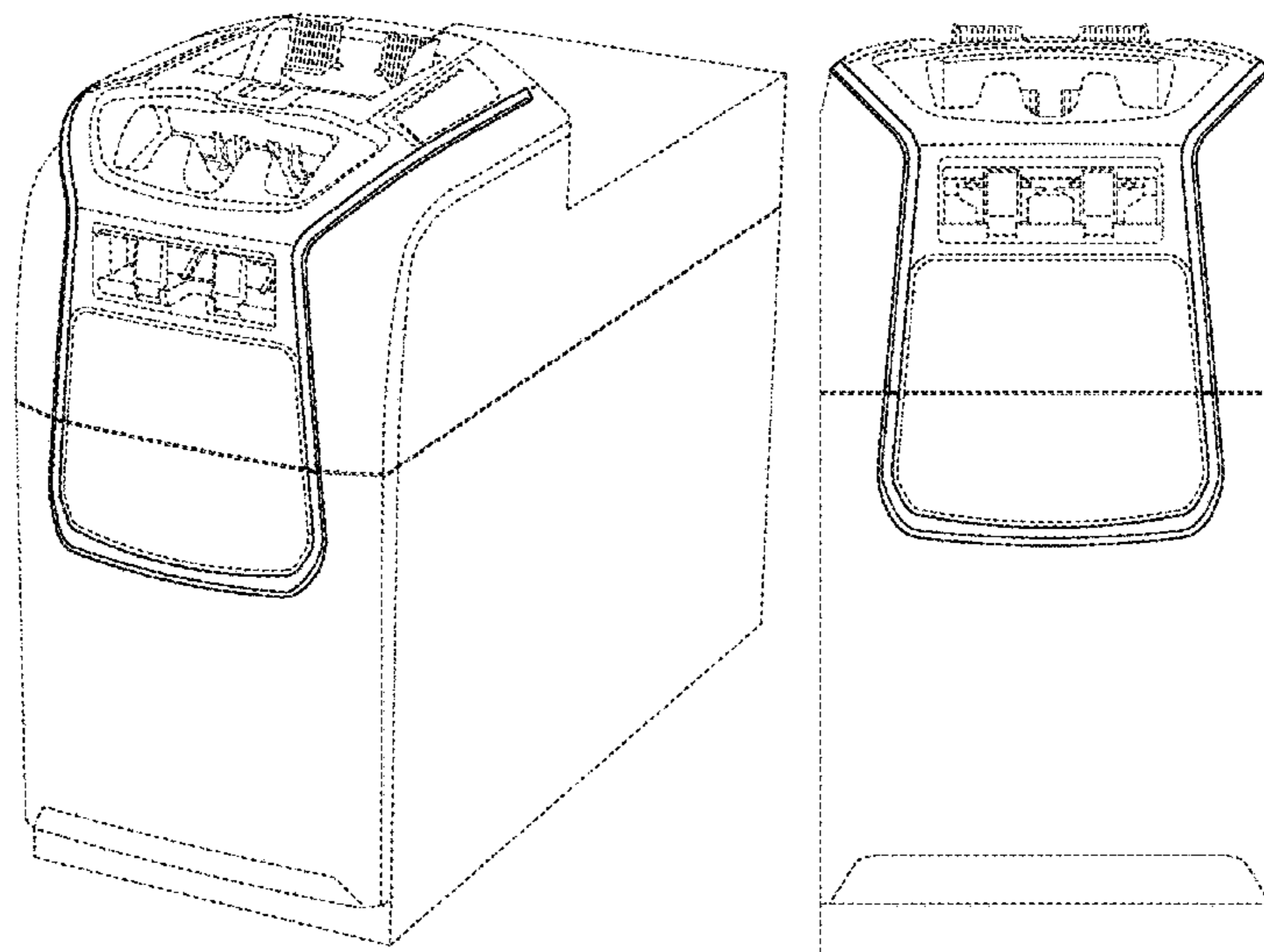
(57) **CLAIM**

The ornamental design for a banknote handling machine, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, right side perspective view of a banknote handling machine showing our 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 in the drawings depict portions of the banknote handling machine that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D524,309 S * 7/2006 Zhang D14/349
 D532,010 S * 11/2006 Yu D14/349
 D534,705 S * 1/2007 Kang D99/28
 D540,876 S * 4/2007 Roekens D20/8
 D547,317 S * 7/2007 Xin D14/441
 D551,233 S * 9/2007 Deng D14/441
 D554,118 S * 10/2007 Deng D14/349
 D574,417 S * 8/2008 Gaze D18/3.3
 D574,418 S * 8/2008 Gaze D18/3.3
 D574,419 S * 8/2008 Gaze D18/3.3
 D574,420 S * 8/2008 Gaze D18/3.3
 D574,421 S * 8/2008 Gaze D18/3.3
 D574,422 S * 8/2008 Gaze D18/3.3
 D579,481 S * 10/2008 Gaze D18/3.3
 D579,482 S * 10/2008 Gaze D18/3.3
 D581,419 S * 11/2008 Johnson D14/432
 D585,447 S * 1/2009 Chen D14/349
 D613,288 S * 4/2010 Minehart D14/349
 D618,875 S * 6/2010 Tougo D18/3.3
 8,251,198 B2 * 8/2012 Zweg G07D 9/00
 194/215
 D671,164 S 11/2012 Bleck et al.
 D695,833 S * 12/2013 Alvarado D20/1
 D725,865 S * 3/2015 Cho D99/28
 D727,427 S * 4/2015 Alvarado D20/8
 D766,540 S * 9/2016 Lee D99/28
 D774,722 S * 12/2016 Yeon D99/28
 D776,399 S * 1/2017 Yeon D99/28
 D782,148 S * 3/2017 Rohan D99/28
 D794,015 S * 8/2017 Probst D14/349

D803,507 S * 11/2017 Park D99/28
 2010/0181333 A1 * 7/2010 Mizushima G07D 11/24
 221/1
 2010/0303332 A1 * 12/2010 Miki G07D 11/50
 382/135
 2012/0012436 A1 * 1/2012 Nakamoto G07D 3/04
 194/215
 2013/0256987 A1 * 10/2013 Miki G07D 11/50
 271/264
 2016/0379433 A1 * 12/2016 Lavigne G07D 11/50
 271/3.14
 2017/0270737 A1 * 9/2017 Sakamoto G07D 11/50
 2019/0122478 A1 * 4/2019 Sanda G07D 11/50
 2019/0139350 A1 * 5/2019 Kuroda G07D 11/24

OTHER PUBLICATIONS

De La Rue Teller Cash Recycling Machine. idc.uk.com. (online) 3 pgs. [Retrieved on Jun. 24, 2019] <http://glory-https://www.idc.uk.com/industrial/case-studies/teller-cash-recycling-machine/>.
 Z1 / Z1HR(Laurel_img_Z1-thumb-442x332-786) Ibm.co.jp. (online) 1 pg. [Retrieved on Jun. 26, 2019] [https://www.Ibm.co.jp/en/products/teller_cash-recycler/IMG URL: https://www.Ibm.co.jp/en/products/assets_c/2017/12/img_Z1-thumb-442x332-786.png](https://www.Ibm.co.jp/en/products/teller_cash-recycler/IMG_URL:https://www.Ibm.co.jp/en/products/assets_c/2017/12/img_Z1-thumb-442x332-786.png).
 Automatic teller machines and Banknote processing machines. (Design -© Questel) orbit.com. [online PDF] 27 pgs. Print Dates range Aug. 26, 2009 through Nov. 23, 2018. [Retrieved on Jun. 26, 2019] <https://sobjprd.questel.fr/export/QPTUJ214/pdf2/0e5766cc-001f-45f5-8367-7b8d9dbaff04-011245.pdf>.

* cited by examiner

FIG. 1

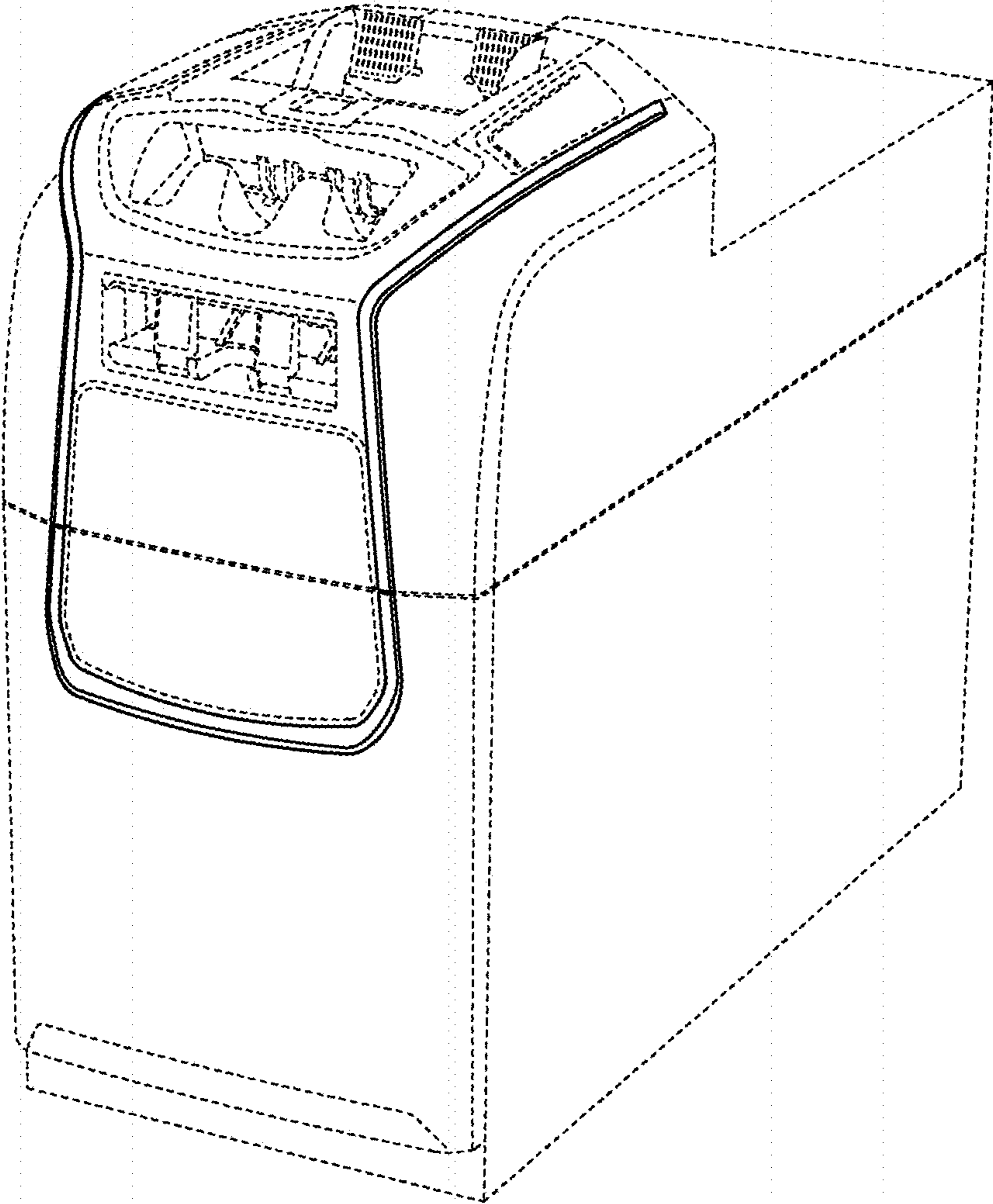


FIG.2

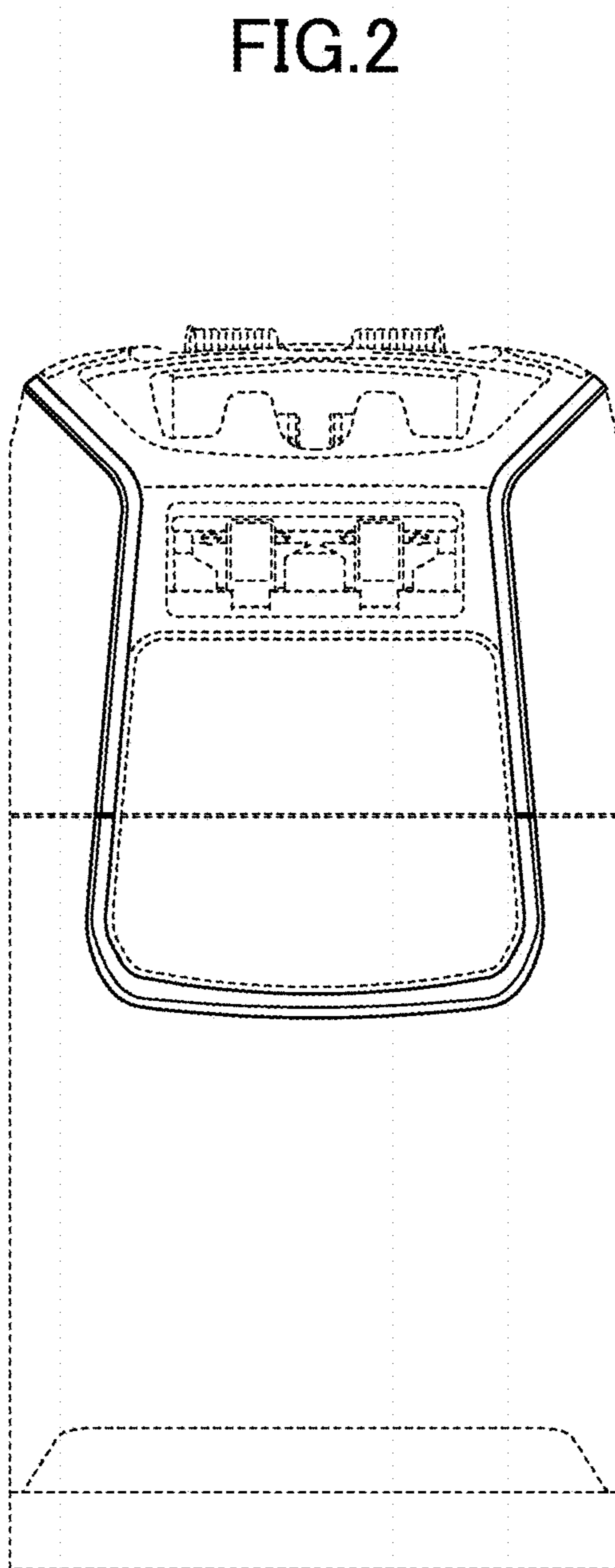


FIG.3

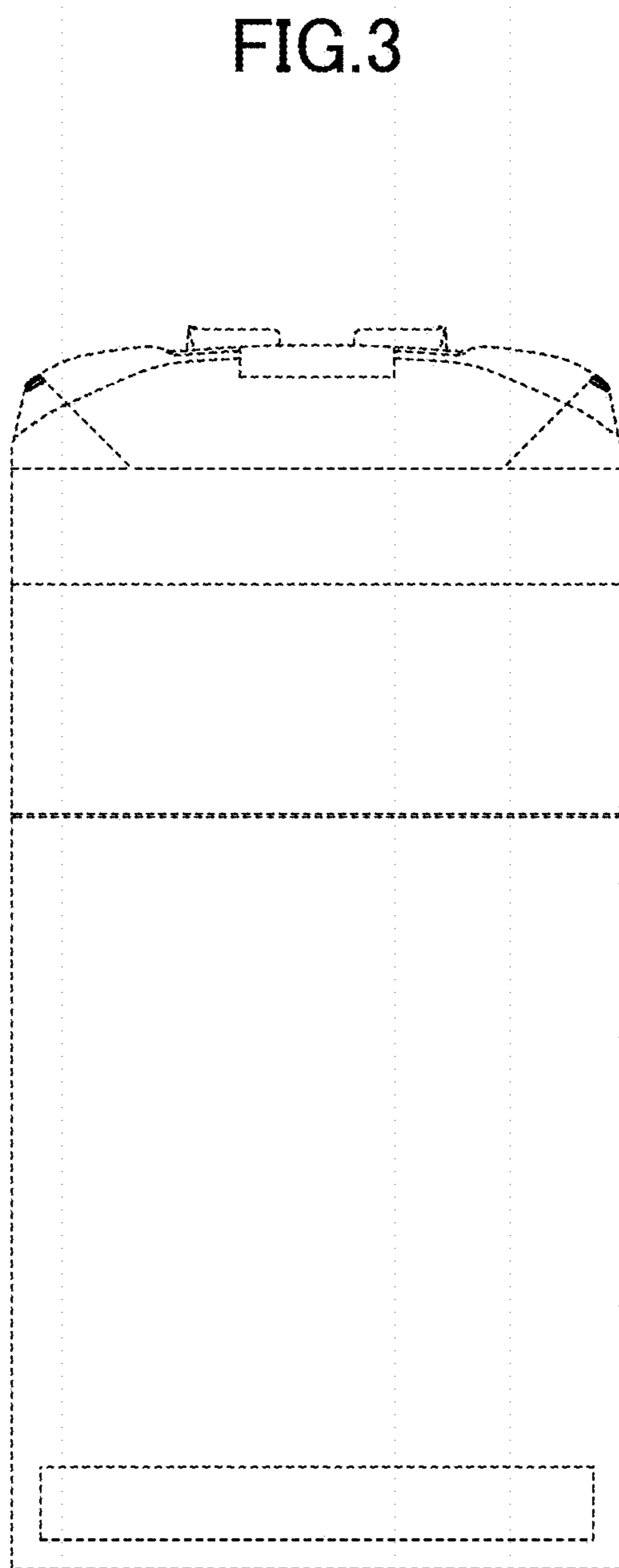


FIG.4

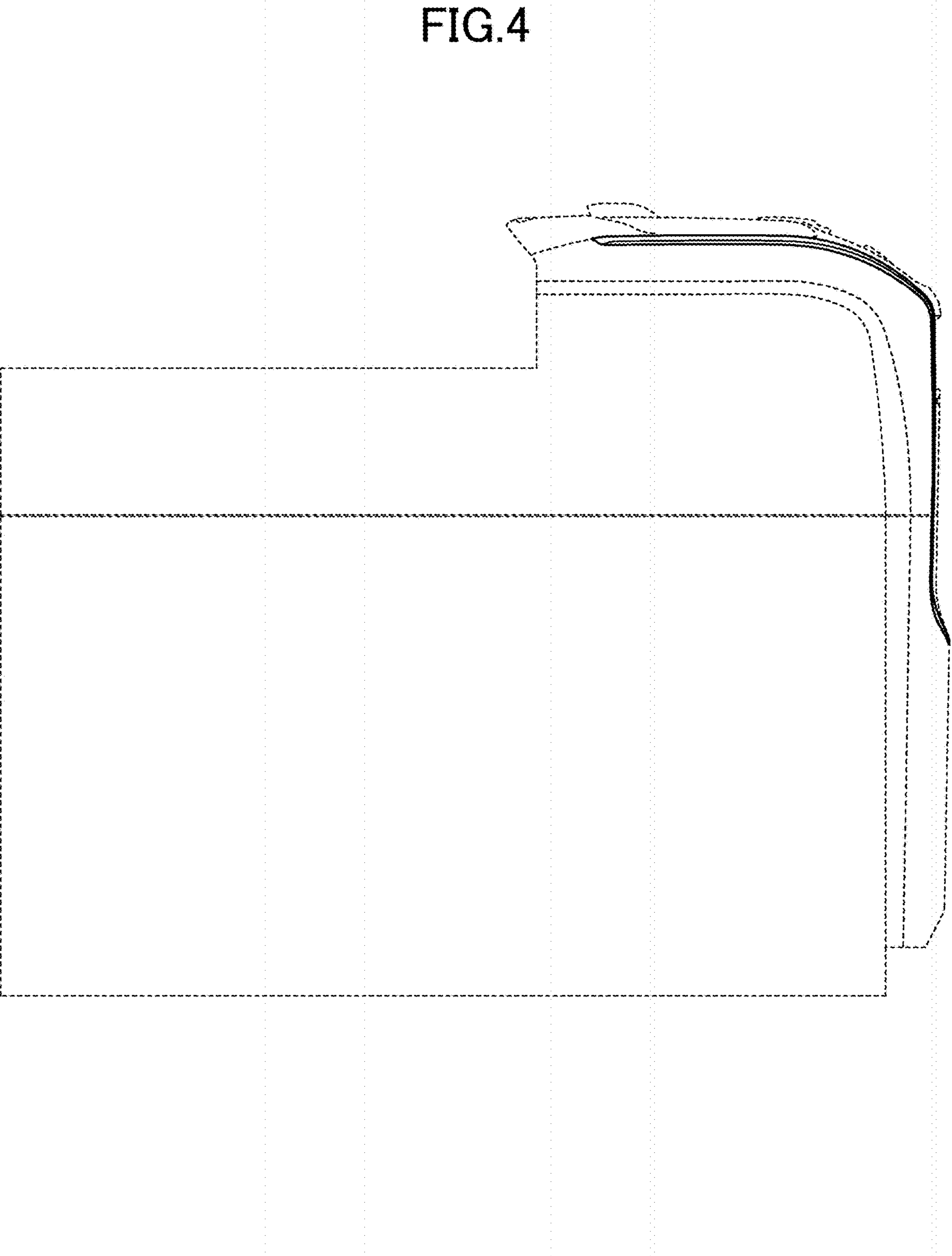


FIG.5

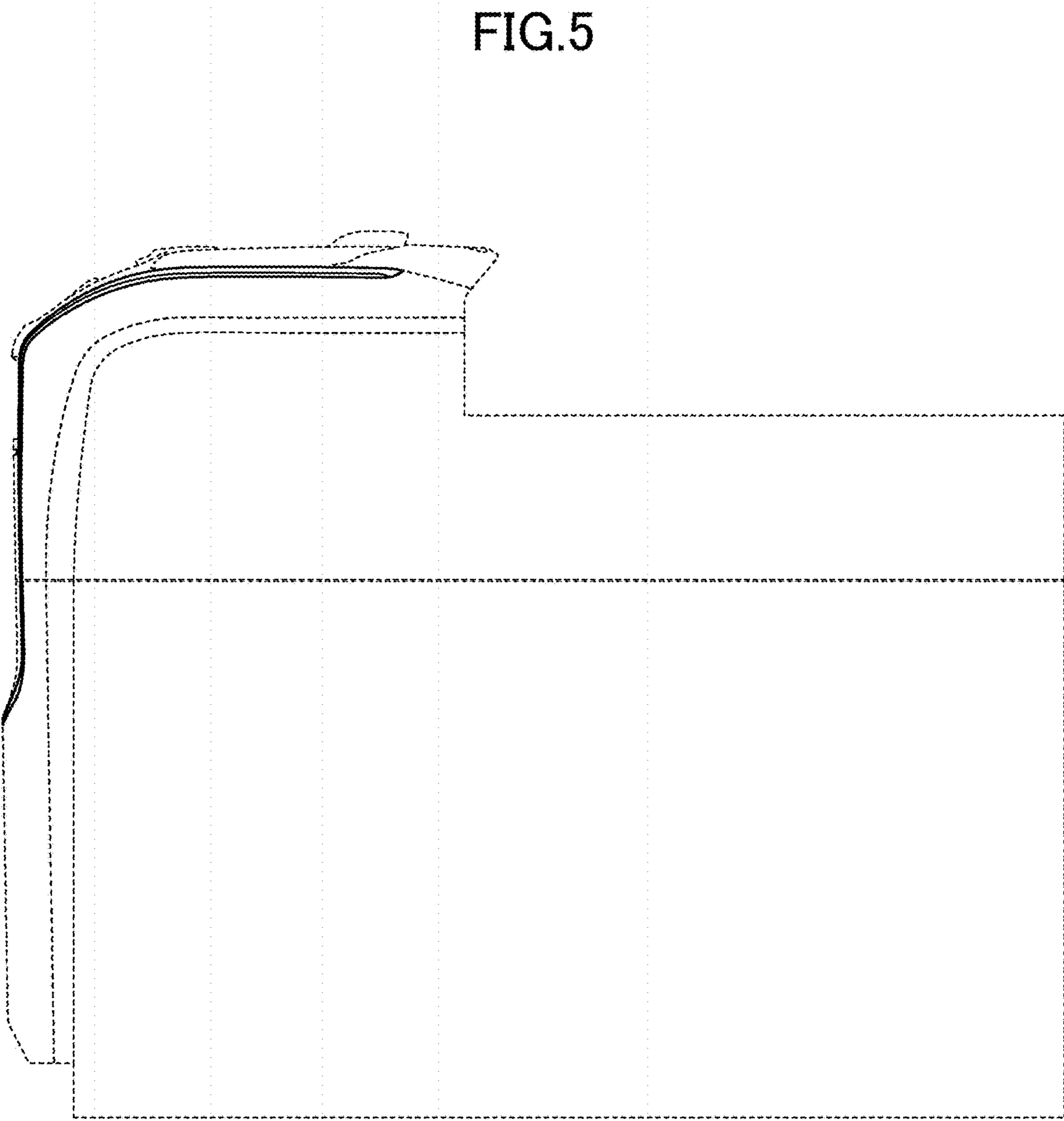


FIG.6

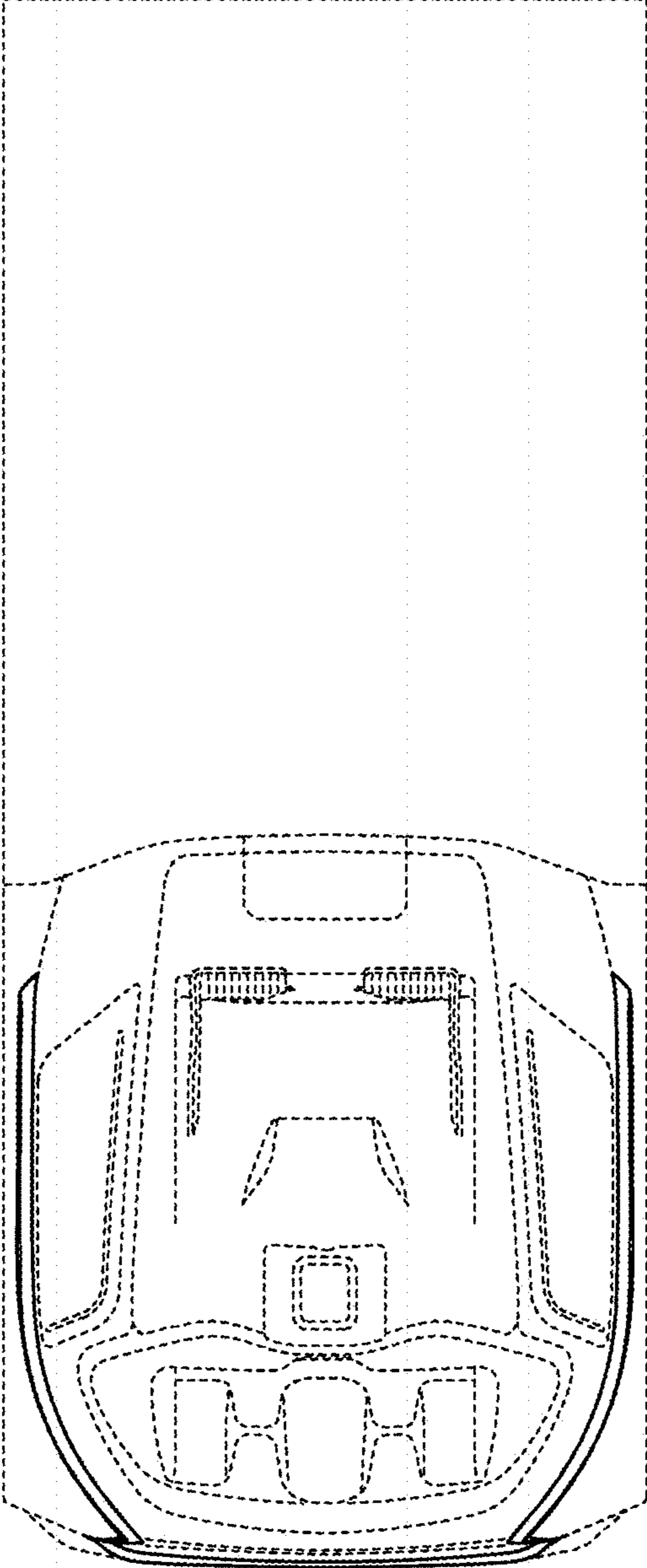


FIG. 7

