

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

(10) **Patent No.:** **US D1,073,686 S**

(45) **Date of Patent:** **** May 6, 2025**

(54) **CHARGING DONGLE**

(71) Applicant: **BIDI VAPOR, LLC**, Grant-Valkarie, FL (US)

(72) Inventors: **Jiatai Chen**, Shenzhen (CN); **Shengwen Zhou**, Shenzhen (CN); **Jian He**, Shenzhen (CN)

(73) Assignee: **BIDI Vapor, LLC**, Grant-Valkarie, FL (US)

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

(21) Appl. No.: **29/873,782**

(22) Filed: **Apr. 7, 2023**

(51) **LOC (15) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/108**; D14/480.1

(58) **Field of Classification Search**
USPC D14/356, 357, 358, 359, 433, 434, 435, D14/435.1, 438, 480.1–480.7, 483, 217, D14/432, 484.1, 233; D13/133, 137.2, D13/147, 146, 153, 154, 108
CPC ... G06F 1/266; G06F 13/4282; H01R 31/065; H01R 31/06; H01R 13/6461; H01R 13/6581; H01R 2107/00; H01R 24/60; H01R 24/62; H01R 24/58; H01R 2201/26; H01R 31/02; H04B 1/385; H04M 1/6091; H04M 1/6066; B60R 2011/0054; B06R 11/0241; A24F 40/40; A24F 40/46; A24F 40/00; A24F 42/60; A61M 11/042; A61M 15/06; A61M 2205/8237; A61M 2016/0018
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D631,883 S * 2/2011 Maier D14/435.1
8,156,944 B2 4/2012 Han

D703,679 S * 4/2014 Chen D14/480.1
D703,680 S * 4/2014 Lin D14/480.1
D707,688 S * 6/2014 Wu D14/480.1
8,910,641 B2 12/2014 Hon
D725,124 S * 3/2015 Lin D14/480.6
9,226,525 B2 1/2016 Liu
(Continued)

FOREIGN PATENT DOCUMENTS

AU 2013292106 A1 2/2015

CN 201085044 Y 7/2008

(Continued)

OTHER PUBLICATIONS

USB Pixel. Adonit, amazon.co.uk (online) 3 pages. Posted Sep. 21, 2015. [Retrieved Aug. 3, 2024] <https://www.amazon.co.uk/Adonit-Pixel-Script-USB-Adaptor/dp/B00XBO8E2S> (Year: 2015).*

(Continued)

Primary Examiner — Rebekah A Caruso
Assistant Examiner — Cole Sanders Holman
(74) *Attorney, Agent, or Firm* — BakerHostetler

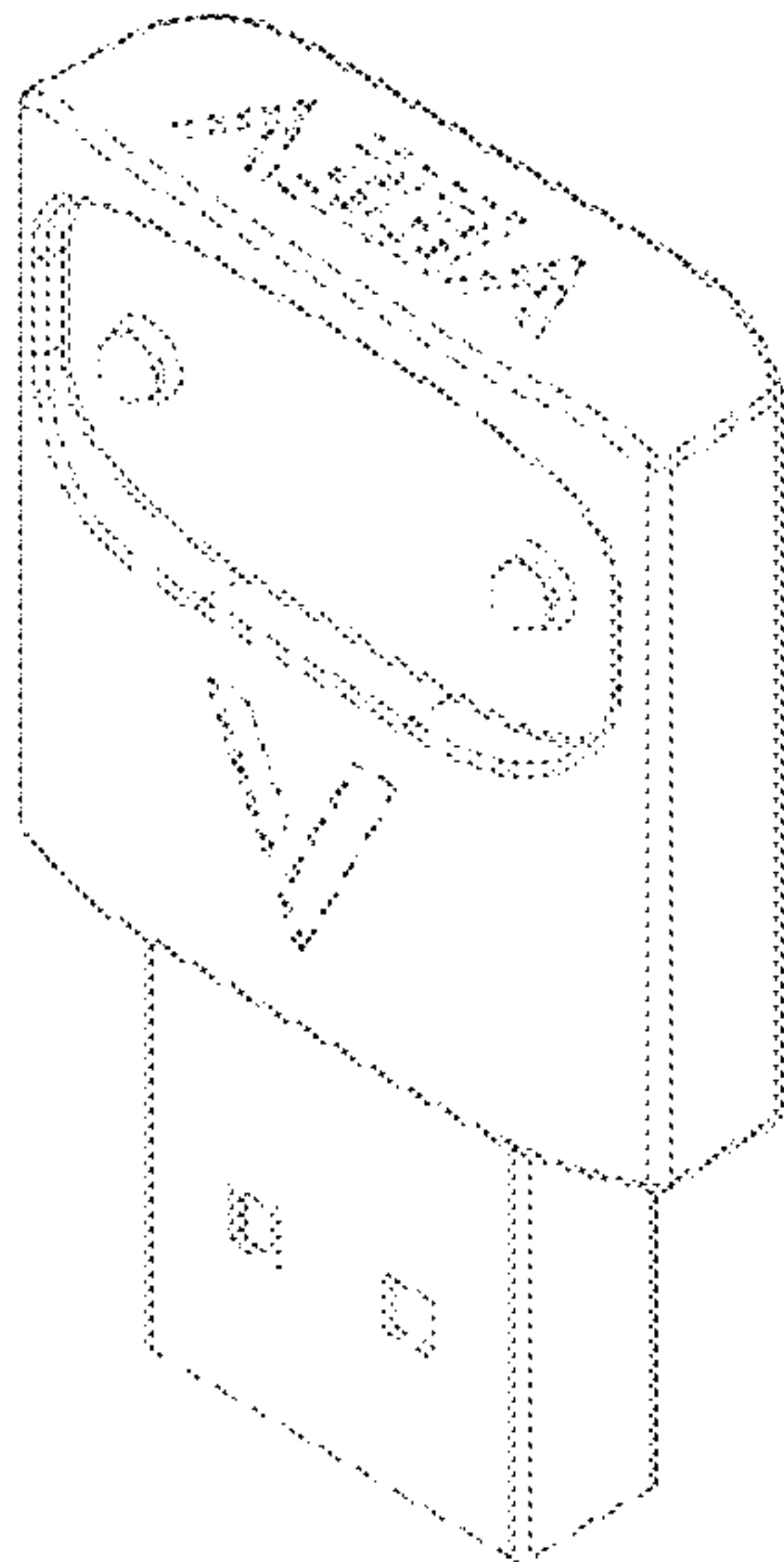
(57) **CLAIM**

The ornamental design for a charging dongle, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a charging dongle;
FIG. 2 is a rear view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a front isometric view thereof; and,
FIG. 8 is a rear isometric view thereof.
The broken lines in the figures depict portions of the charging dongle that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,320,300 B2 4/2016 Hon
D771,637 S * 11/2016 Shim D14/480.5
9,510,624 B2 12/2016 Li et al.
D799,113 S 10/2017 Qiu
9,808,034 B2 11/2017 Hon
9,814,629 B2 11/2017 Chaffrignon et al.
9,943,112 B2 4/2018 Liu
9,974,334 B2 5/2018 Dooly et al.
D825,102 S 8/2018 Bowen et al.
D829,371 S 9/2018 Durand
D836,647 S * 12/2018 Wei D14/480.7
D836,831 S * 12/2018 Cividi D27/162
D836,834 S * 12/2018 Cividi D27/194
10,238,144 B2 3/2019 Hon
D866,852 S * 11/2019 Cividi D27/101
D870,372 S 12/2019 Zhu
D874,469 S * 2/2020 Shim D14/480.1
D881,153 S * 4/2020 Fang D14/155
D881,457 S 4/2020 Ouyang
D882,166 S 4/2020 Seidenfeld et al.
D882,167 S 4/2020 Seidenfeld et al.
RE47,994 E * 5/2020 Bowen H02J 7/00
D27/194
D885,655 S 5/2020 Ding
D887,975 S * 6/2020 O'Malley D13/108
10,674,765 B2 6/2020 Davis et al.
10,687,554 B2 6/2020 Hawes et al.
D891,691 S 7/2020 Chen
D892,041 S * 8/2020 Cheung D13/108
D892,734 S * 8/2020 Cheung D13/108
D898,991 S 10/2020 Pan
D901,763 S * 11/2020 Cheung D27/167
D903,937 S 12/2020 Chimbunya et al.
D905,901 S 12/2020 Kim et al.
D912,890 S 3/2021 Liu
10,932,491 B1 3/2021 Wanxiang et al.
D916,187 S * 4/2021 Hornung D19/81
D917,777 S 4/2021 Kim et al.
D919,881 S 5/2021 Carlberg et al.
D928,399 S 8/2021 Chen
D929,036 S 8/2021 Leon et al.
D934,253 S * 10/2021 Lee D14/433
D937,476 S 11/2021 Zu
D937,479 S 11/2021 Lai et al.
D942,676 S 2/2022 Kim et al.
D943,165 S 2/2022 Liu
D943,172 S 2/2022 Li
D943,179 S 2/2022 Xie
D948,527 S * 4/2022 Liu D14/480.1
D949,463 S 4/2022 Guo
D949,465 S 4/2022 Hermiz
D949,468 S 4/2022 Michaud
D952,238 S 5/2022 Ferrie et al.
D952,240 S 5/2022 Ferrie et al.
D953,623 S 5/2022 Liu et al.
D955,633 S 6/2022 Wu et al.
D955,634 S 6/2022 Wu et al.
D956,688 S * 7/2022 O'Malley D27/194
D957,728 S 7/2022 Tang
D960,169 S * 8/2022 Liu D14/480.1
D965,860 S 10/2022 Sun et al.
D975,914 S 1/2023 Lung
D976,198 S 1/2023 Farrow
D986,490 S 5/2023 Tung
D994,967 S 8/2023 Martin
D997,445 S 8/2023 Ding et al.
D1,001,353 S 10/2023 Lai et al.
D1,002,094 S 10/2023 Zhuang
D1,002,626 S * 10/2023 Jun D14/343
D1,004,838 S 11/2023 Ding et al.
D1,005,573 S 11/2023 Wang
D1,020,081 S 3/2024 Leung
D1,023,431 S 4/2024 Zhang
D1,023,439 S 4/2024 Zhang
D1,023,443 S 4/2024 Devinentis

D1,024,416 S 4/2024 Wang et al.
D1,024,417 S 4/2024 Ding
D1,027,291 S 5/2024 Devinentis
D1,030,134 S 6/2024 Wang
D1,039,758 S 8/2024 Xiang
2011/0303231 A1 12/2011 Li et al.
2012/0234315 A1 9/2012 Li et al.
2013/0213419 A1 8/2013 Tucker et al.
2013/0319431 A1 12/2013 Cyphert et al.
2014/0014126 A1 1/2014 Peleg et al.
2014/0332022 A1 11/2014 Li et al.
2015/0136156 A1 5/2015 Liu
2015/0150307 A1 6/2015 Liu
2015/0196056 A1 7/2015 Liu
2016/0007654 A1 1/2016 Zhu
2016/0128387 A1 5/2016 Chen
2016/0219936 A1 8/2016 Alarcon
2016/0374399 A1 12/2016 Monsees et al.
2017/0042242 A1 2/2017 Hon
2017/0127728 A1 5/2017 Li et al.
2017/0215484 A1 8/2017 Xiang
2018/0070649 A1 3/2018 Monsees et al.
2018/0116284 A1 5/2018 Biel et al.
2018/0168228 A1 6/2018 Reeve
2018/0242634 A1 8/2018 Sur
2018/0242638 A1 8/2018 Godfrey et al.
2018/0279681 A1 10/2018 Rojo-Calderon et al.
2019/0124978 A1 5/2019 Liu
2019/0256231 A1 8/2019 Atkins et al.
2019/0297946 A1 10/2019 Fu et al.
2019/0364957 A1 12/2019 Fu et al.
2019/0364972 A1 12/2019 Lin et al.
2020/0138117 A1 5/2020 Rosser et al.
2020/0154789 A1 5/2020 Novak et al.
2020/0178616 A1 6/2020 Yu
2020/0221779 A1 7/2020 Fu
2020/0231270 A1 7/2020 Kobierecki et al.
2020/0245695 A1 8/2020 Fornarelli
2020/0281270 A1 9/2020 Potter et al.
2020/0329768 A1 10/2020 Ouyang
2020/0345073 A1 11/2020 Reeve

FOREIGN PATENT DOCUMENTS

CN 201830900 U 5/2011
CN 203121010 U 8/2013
CN 203207189 U 9/2013
CN 104010537 A 8/2014
CN 203913378 U 11/2014
CN 204317492 U 5/2015
CN 102740716 B 2/2016
CN 205865969 U 1/2017
CN 106470563 A 3/2017
CN 105212270 B 4/2018
CN 108883242 A 11/2018
CN 209031256 U 6/2019
CN 305229024 S 6/2019
CN 305338725 S 9/2019
CN 209711540 U 12/2019
CN 305494439 S 12/2019
CN 209965226 U 1/2020
CN 305647188 S 3/2020
CN 305656858 S 3/2020
CN 305737698 S 4/2020
CN 210611013 U 5/2020
CN 305805034 S 5/2020
CN 305823573 S 6/2020
CN 305855256 S 6/2020
CN 111407000 A 7/2020
CN 305915661 S 7/2020
CN 305951691 S 7/2020
CN 111543675 A 8/2020
CN 211746997 U 10/2020
CN 211910526 U 11/2020
CN 211932573 U 11/2020
CN 212306799 U 1/2021
CN 212678353 U 3/2021
CN 213587432 U 7/2021
CN 213785375 U 7/2021

(56) **References Cited**

FOREIGN PATENT DOCUMENTS

CN	213961805	U	8/2021
CN	306733658	S	8/2021
CN	214710342	U	11/2021
CN	215075481	U	12/2021
IN	202385728	U	8/2012
KR	10-1813457	B1	12/2017
WO	2015/070402	A1	5/2015
WO	2019/048841	A1	3/2019
WO	2021/138830	A1	7/2021

OTHER PUBLICATIONS

USB Portable Charger. All Products, ubuy.mu (online) 4 pages. Posted Oct. 23, 2019. [Retrieved Aug. 3, 2024] <https://www.ubuy.mu/en/product/1HPJTD3X2-rapidcharge-magnetic-usb-portable-charger-fast-and-reliable-1-pack> (Year: 2019).*

Flair Vapor, CA Design No. 188937, published at Orbit, publication date Oct. 5, 2022. Site visited Aug. 3, 2024. Available from internet (Year: 2022).*

Chen, JP Design No. D1691536, published at Orbit, publication date Aug. 2, 2021. Site visited Aug. 8, 2024. Available from internet (Year: 2021).*

Li Lijin, CN Design No. 305595430, published at Orbit, publication date Feb. 7, 2020. Site visited Aug. 8, 2024. Available from internet (Year: 2020).*

* cited by examiner

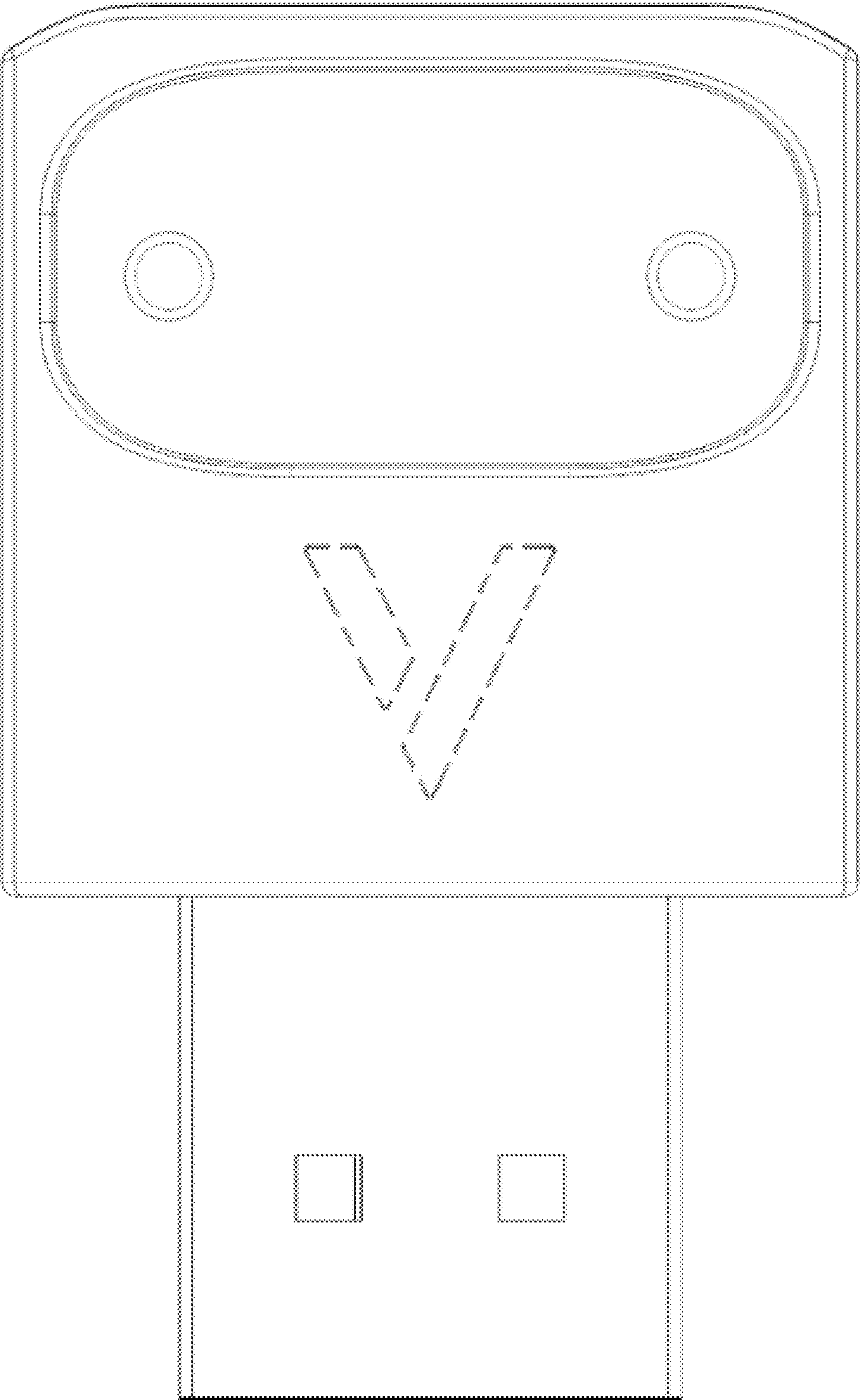


FIG. 1

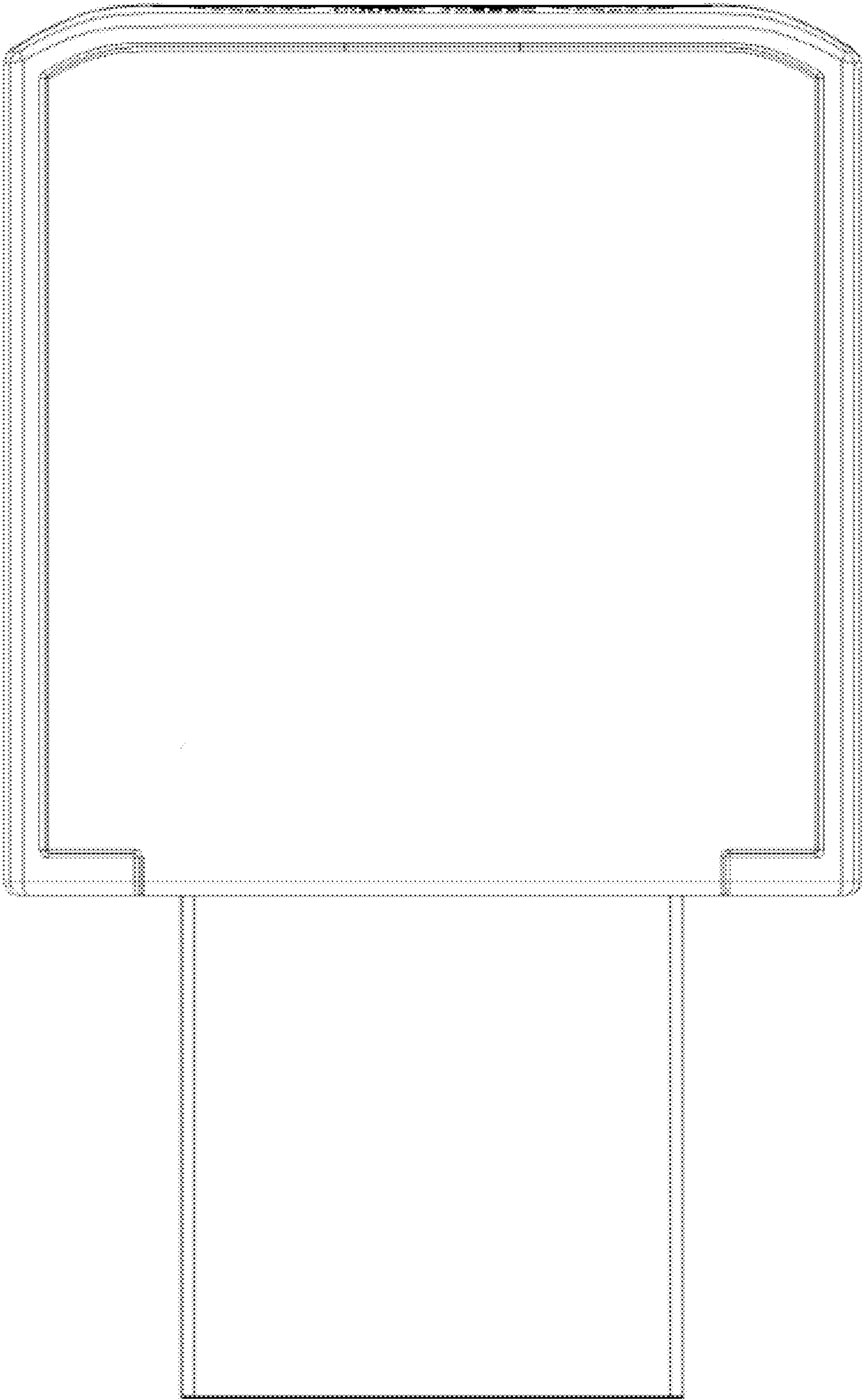


FIG. 2

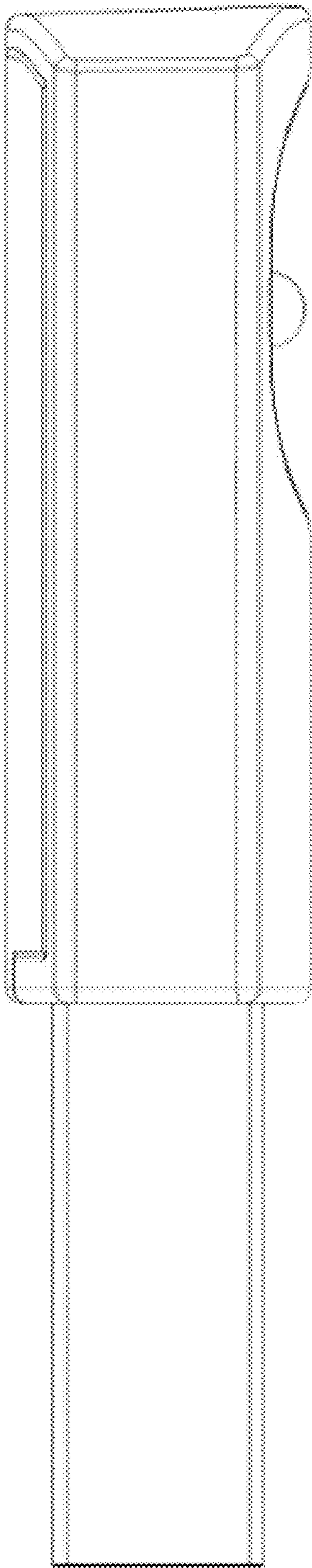


FIG. 3

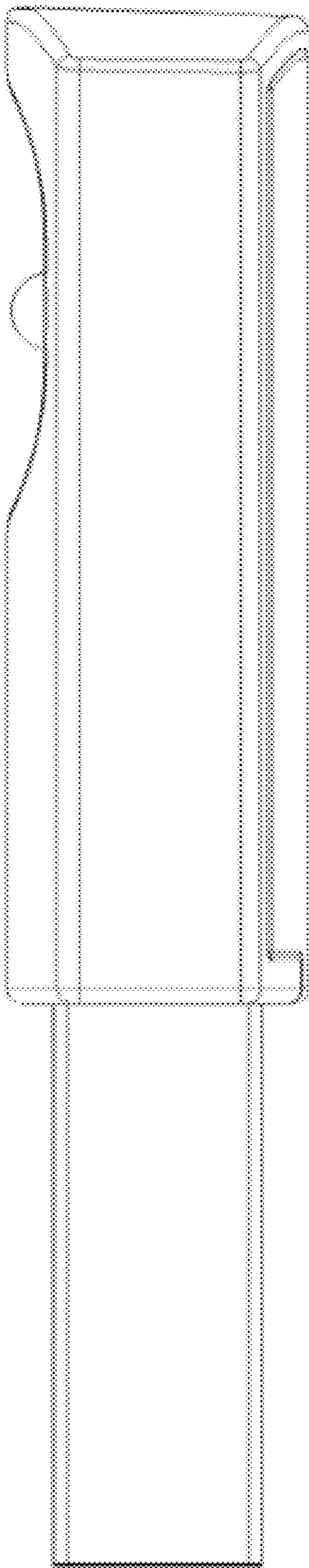


FIG. 4

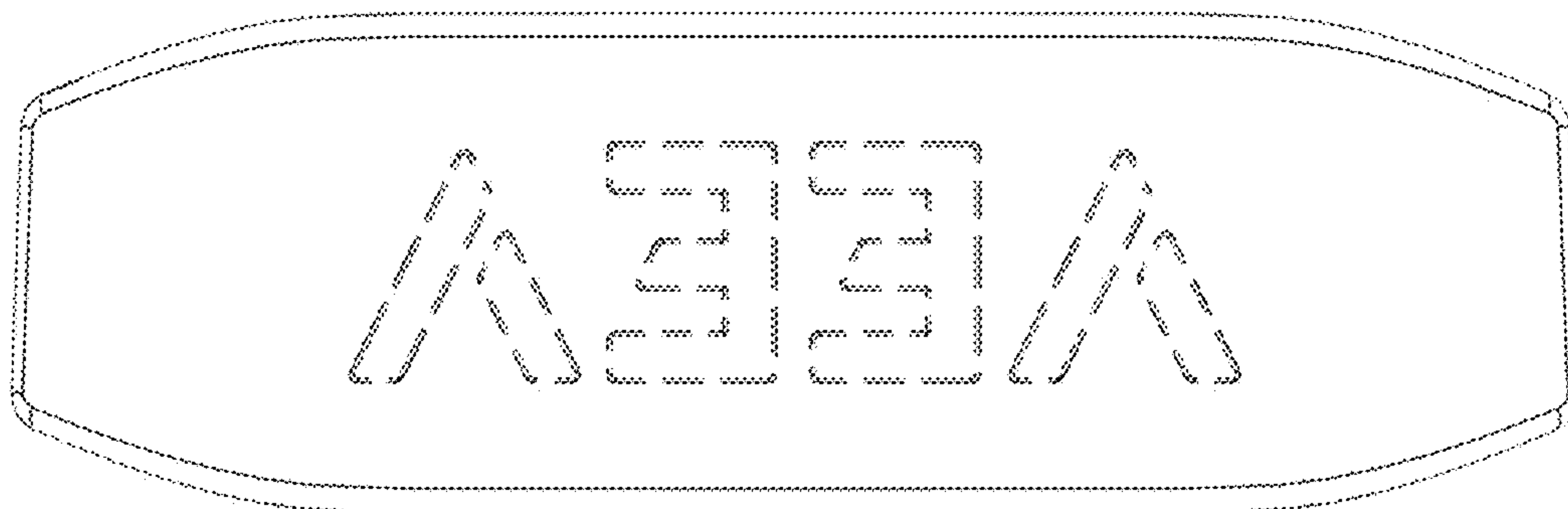


FIG. 5

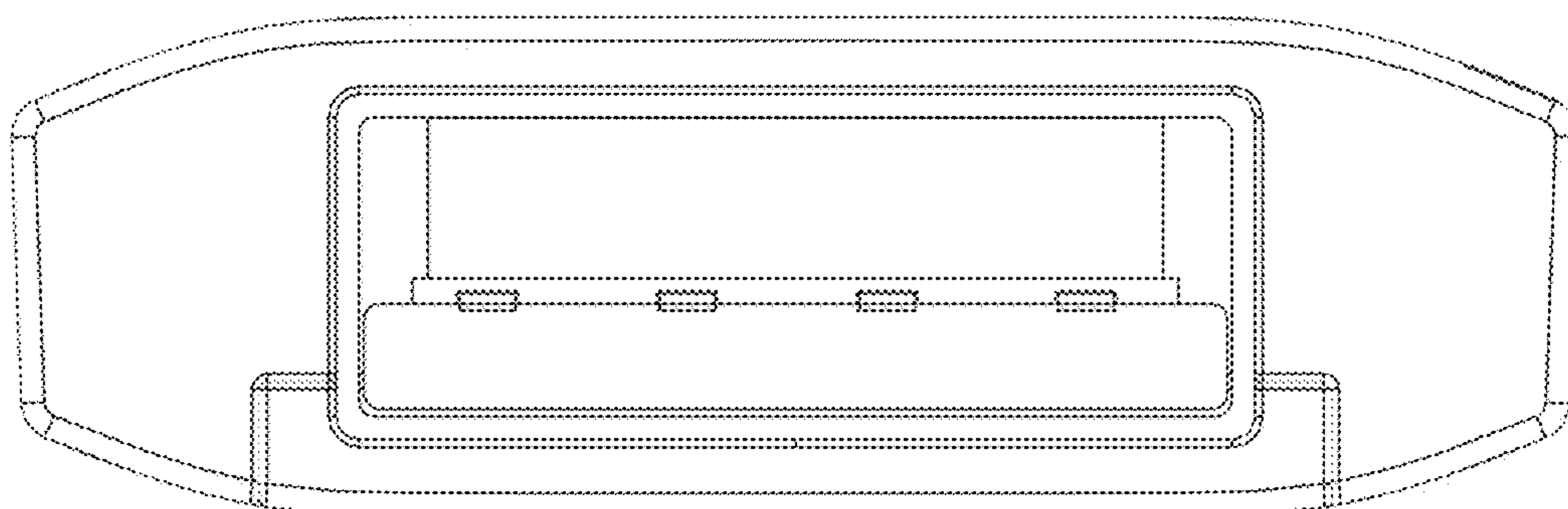


FIG. 6

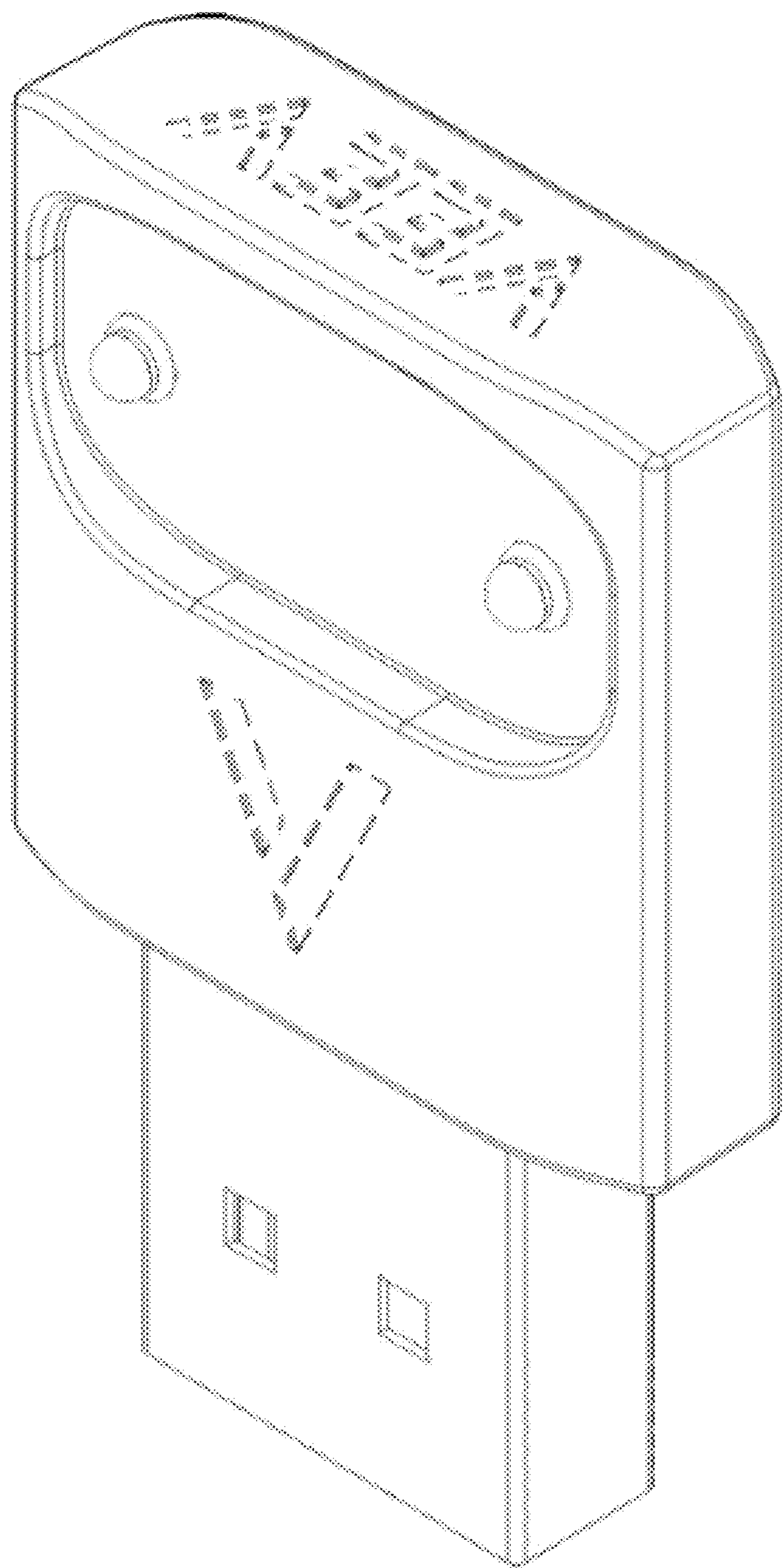


FIG. 7

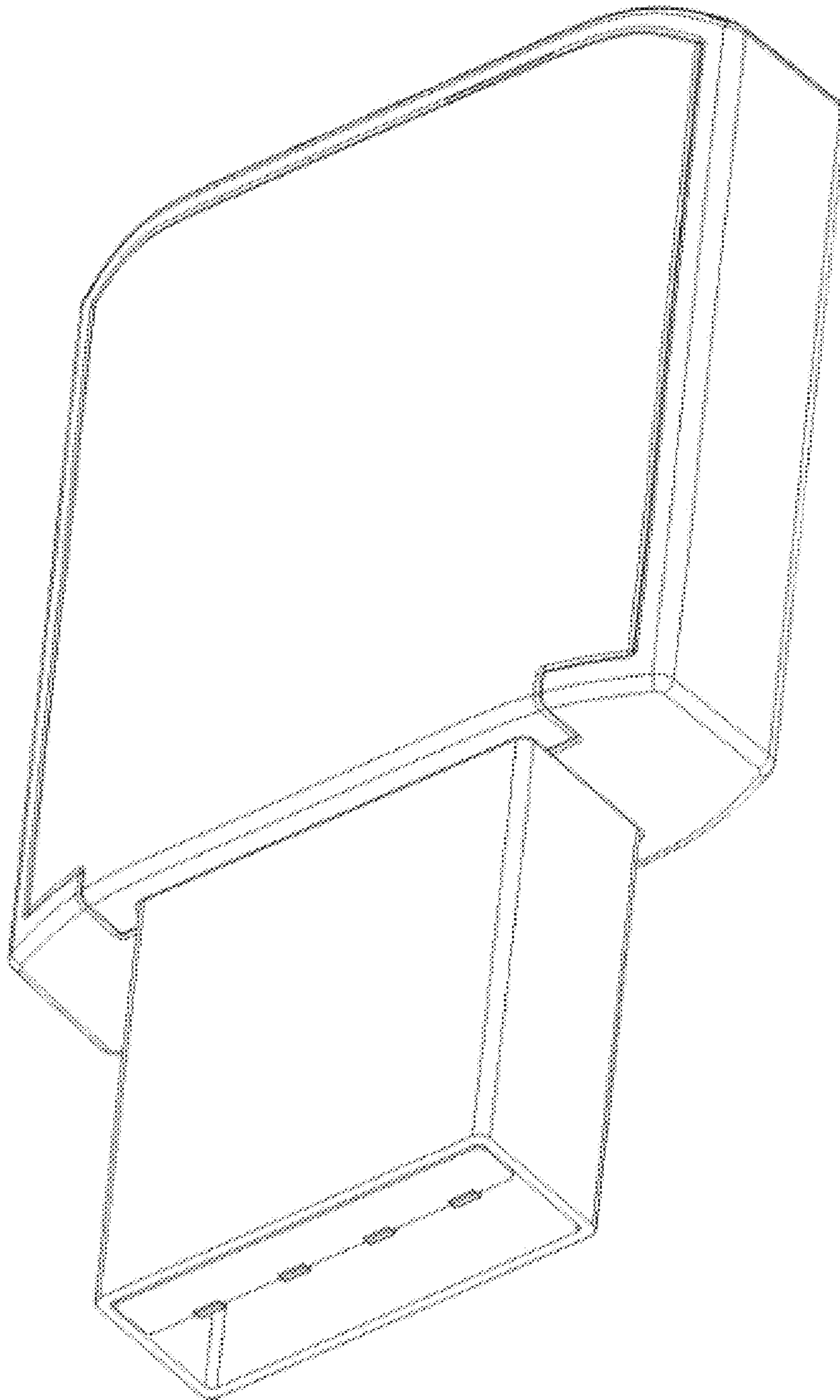


FIG. 8