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

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(54) **MODULARLY CONNECTING BRIDGE,
METER AND POWER SUPPLY UNIT
ASSEMBLY**

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

(21) Appl. No.: **29/675,303**

(22) Filed: **Dec. 31, 2018**

(51) **LOC (12) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/110**

(58) **Field of Classification Search**
USPC D13/110, 108, 118, 123, 162, 168, 169,
D13/174, 177, 184, 199; D14/257, 432,
D14/438

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D667,784 S * 9/2012 Choi D13/102
D673,114 S * 12/2012 Schnakenberg, III D13/110

(Continued)

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Assistant Examiner — Suzanne E Tisdell

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(57) **CLAIM**

We claim the ornamental design for modularly connecting bridge, meter and power supply unit assembly, as shown and described.

DESCRIPTION

FIG. 1 is a front left bottom view of a modularly connecting bridge, meter and power supply unit assembly showing our new design;

FIG. 2 is a back right back perspective view thereof;

FIG. 3 is a front left bottom perspective view thereof without antennae protruding from the BRIDGE UNIT;

FIG. 4 is a back right back perspective view thereof without antennae protruding from the BRIDGE UNIT;

FIG. 5 is a front left bottom perspective view of the BRIDGE UNIT;

FIG. 6 is a back right top perspective view of the BRIDGE UNIT;

FIG. 7 is a front left bottom perspective view of the BRIDGE UNIT without antennae protruding therefrom;

FIG. 8 is a back right top perspective view of the BRIDGE UNIT without antennae protruding therefrom;

FIG. 9 is a front left bottom perspective view of the METER UNIT according to our new design;

FIG. 10 is a back right top perspective view of the METER UNIT;

FIG. 11 is a front left bottom perspective view of the POWER SUPPLY UNIT;

FIG. 12 is a back right top perspective view of the POWER SUPPLY UNIT;

FIG. 13 is a perspective view of the modularly connecting bridge, meter and power supply unit assembly showing a connecting socket between the BRIDGE UNIT and the METER UNIT;

FIG. 14 is a perspective view thereof showing a connecting socket between the BRIDGE UNIT and the METER UNIT;

FIG. 15 is a back right top perspective view showing the modularly connecting bridge, meter and power supply unit assembly mounted on a rail;

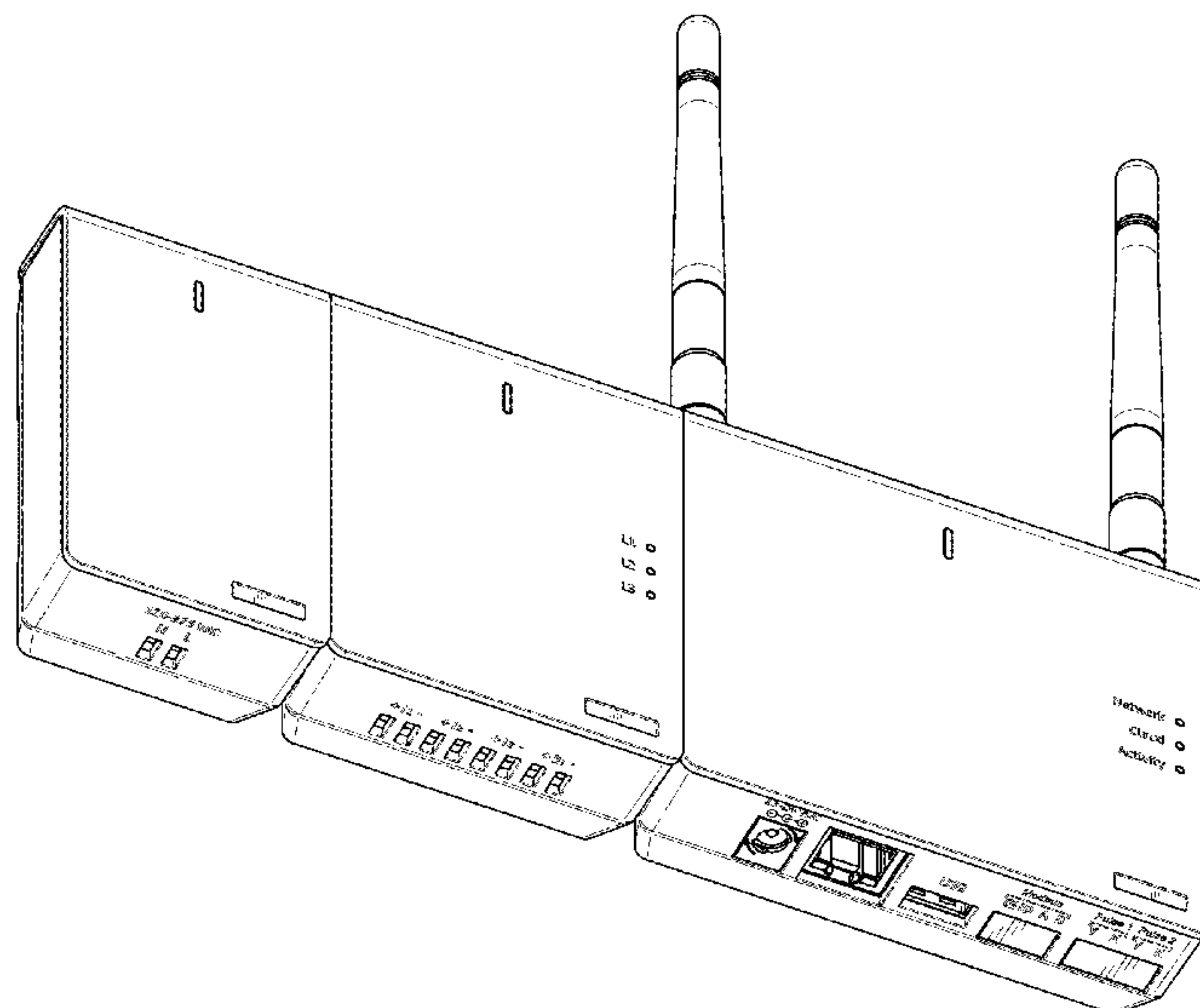
FIG. 16 is a back right top perspective view showing the modularly connecting bridge, meter and power supply unit assembly mounted on a rail without antennae protruding from the BRIDGE UNIT;

FIG. 17 is a front view of the BRIDGE UNIT; and,

FIG. 18 is a back view of the BRIDGE UNIT.

The broken lines throughout the drawing figures depict an environmental rail that forms no part of the claimed design.

1 Claim, 13 Drawing Sheets



(58) **Field of Classification Search**

CPC B60L 15/00; B60L 15/007; B60L 50/51;
 B60K 17/04; H02K 5/06; H05K 5/00;
 H05K 5/02; H05K 5/0247; H05K 7/00;
 H05K 7/20; H05K 7/20136; H05K
 7/20154; H05K 7/209; H02M 7/00;
 H02M 7/003

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D684,533 S * 6/2013 Nakahira D13/110
 D698,725 S * 2/2014 Shin D13/110
 D703,136 S * 4/2014 Choi D13/110
 D705,728 S * 5/2014 Choi D13/110
 D706,215 S * 6/2014 Nakahira D13/110
 D707,176 S * 6/2014 Choi D13/110
 D709,449 S * 7/2014 Oba D13/110
 8,848,370 B2 * 9/2014 Shin H02M 7/003
 165/104.33
 8,854,816 B2 * 10/2014 Shintani H05K 7/20909
 361/678
 D716,728 S * 11/2014 Oyadomari D13/110
 8,882,479 B2 * 11/2014 Asai F04B 35/04
 417/423.14

D728,474 S * 5/2015 Orlando D13/110
 D739,352 S * 9/2015 Benn D13/123
 D745,847 S * 12/2015 Ho D13/110
 9,203,217 B2 * 12/2015 Takano H05K 7/1432
 9,241,428 B1 * 1/2016 Doo H05K 7/20927
 9,318,935 B2 * 4/2016 Nakagami H02K 11/044
 D756,921 S * 5/2016 Benn D13/110
 D773,393 S * 12/2016 Simoni D13/110
 9,599,109 B2 * 3/2017 Yakushiji F04B 39/06
 D789,887 S * 6/2017 Zeng D13/110
 D798,809 S * 10/2017 Benn D13/110
 D798,810 S * 10/2017 Benn D13/110
 9,795,066 B2 * 10/2017 Dong H02M 7/003
 D803,780 S * 11/2017 Gudgel D13/110
 9,812,919 B2 * 11/2017 Arashi H02K 5/225
 D813,810 S * 3/2018 McCool D13/110
 D817,273 S * 5/2018 Kato D13/110
 D817,275 S * 5/2018 Yeh D13/110
 9,961,758 B1 * 5/2018 Pickering H05K 1/0206
 D831,569 S * 10/2018 Simoni D13/110
 10,110,141 B2 * 10/2018 Bethke H05K 7/20909
 D852,740 S * 7/2019 Aitzetmueller D13/110
 D856,927 S * 8/2019 Eppinger D13/110
 10,388,589 B2 * 8/2019 Kawase H01L 25/072
 10,464,439 B2 * 11/2019 Liu H02K 5/06
 10,477,733 B1 * 11/2019 Skalski H01G 2/08

* cited by examiner

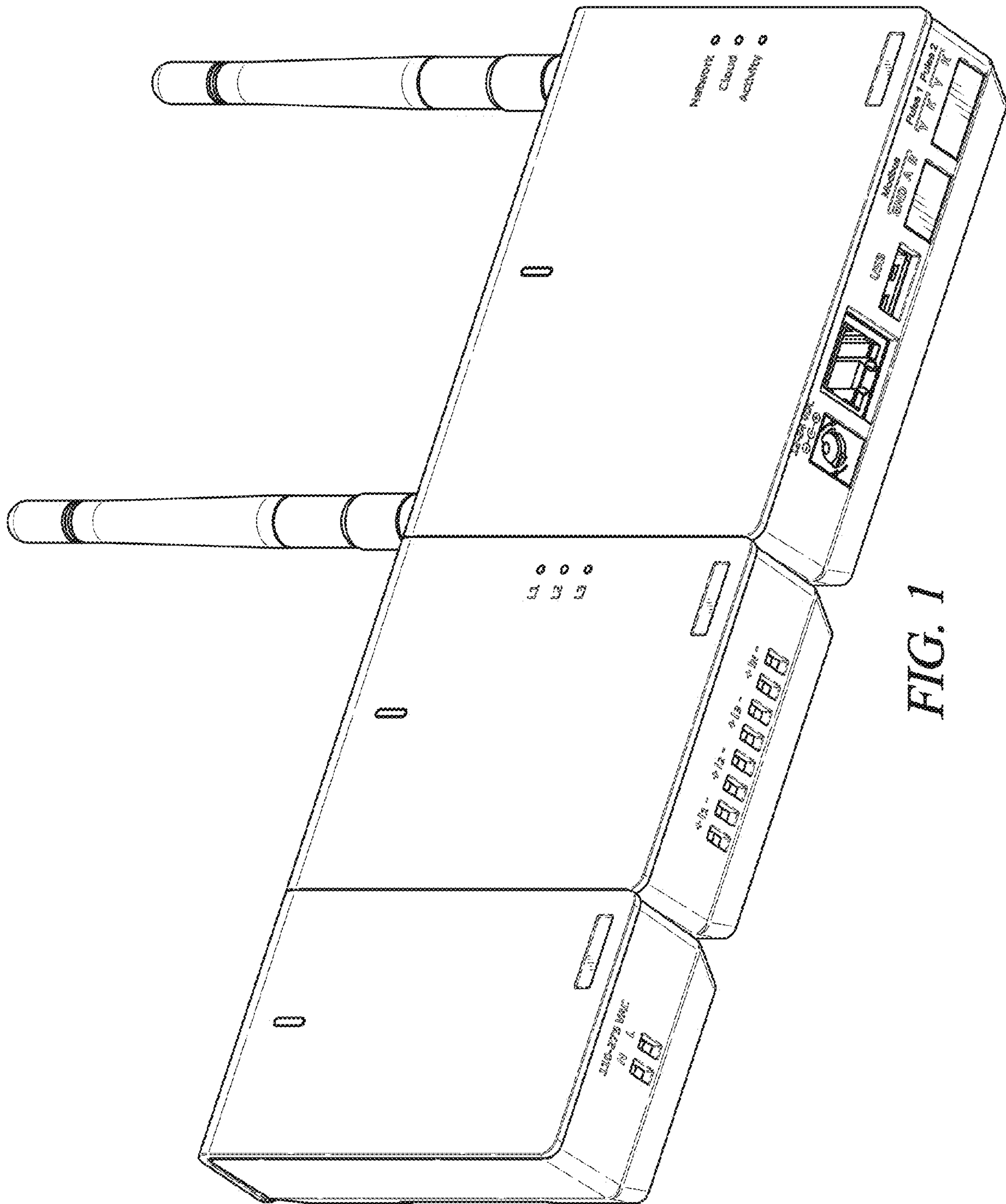
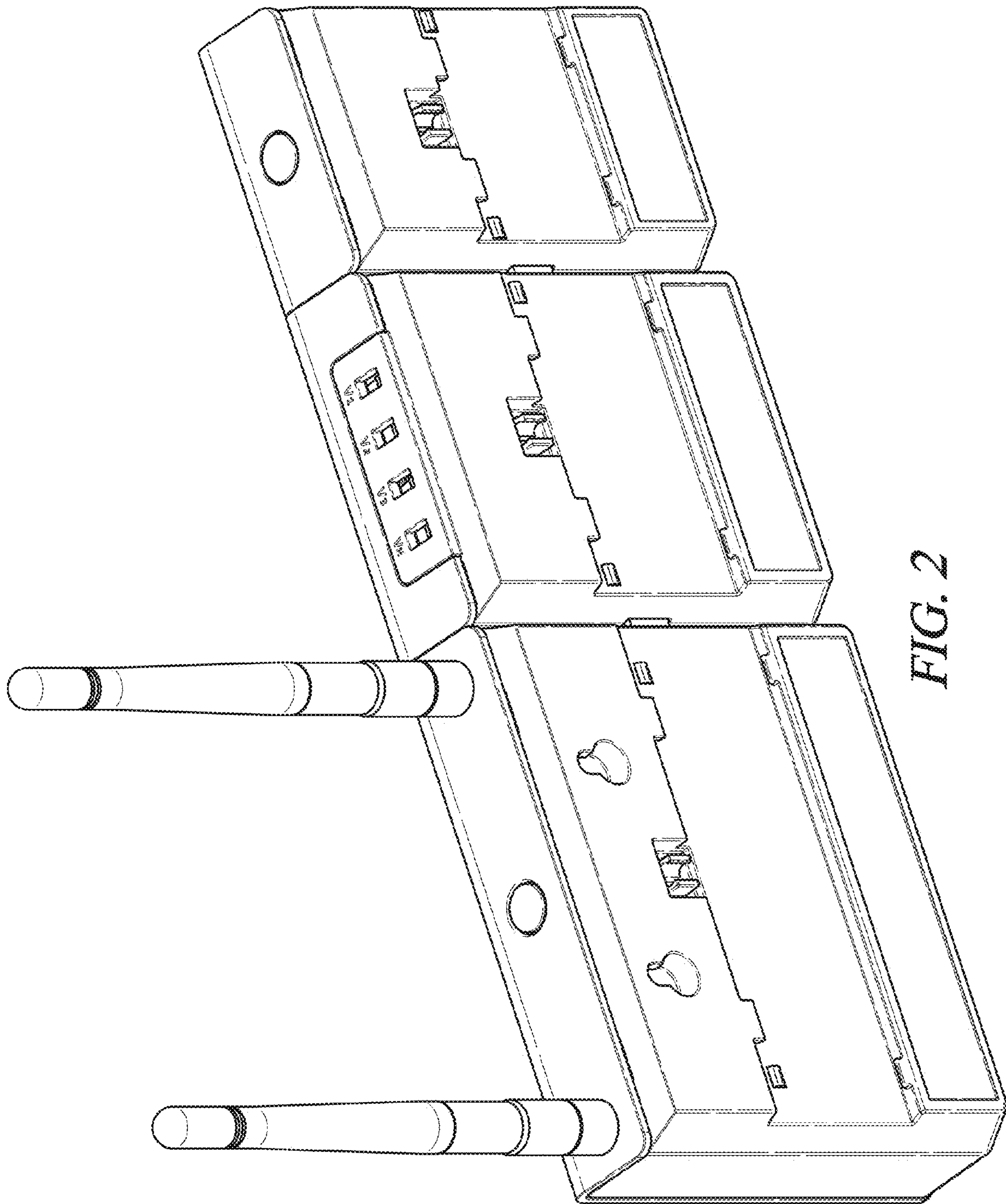
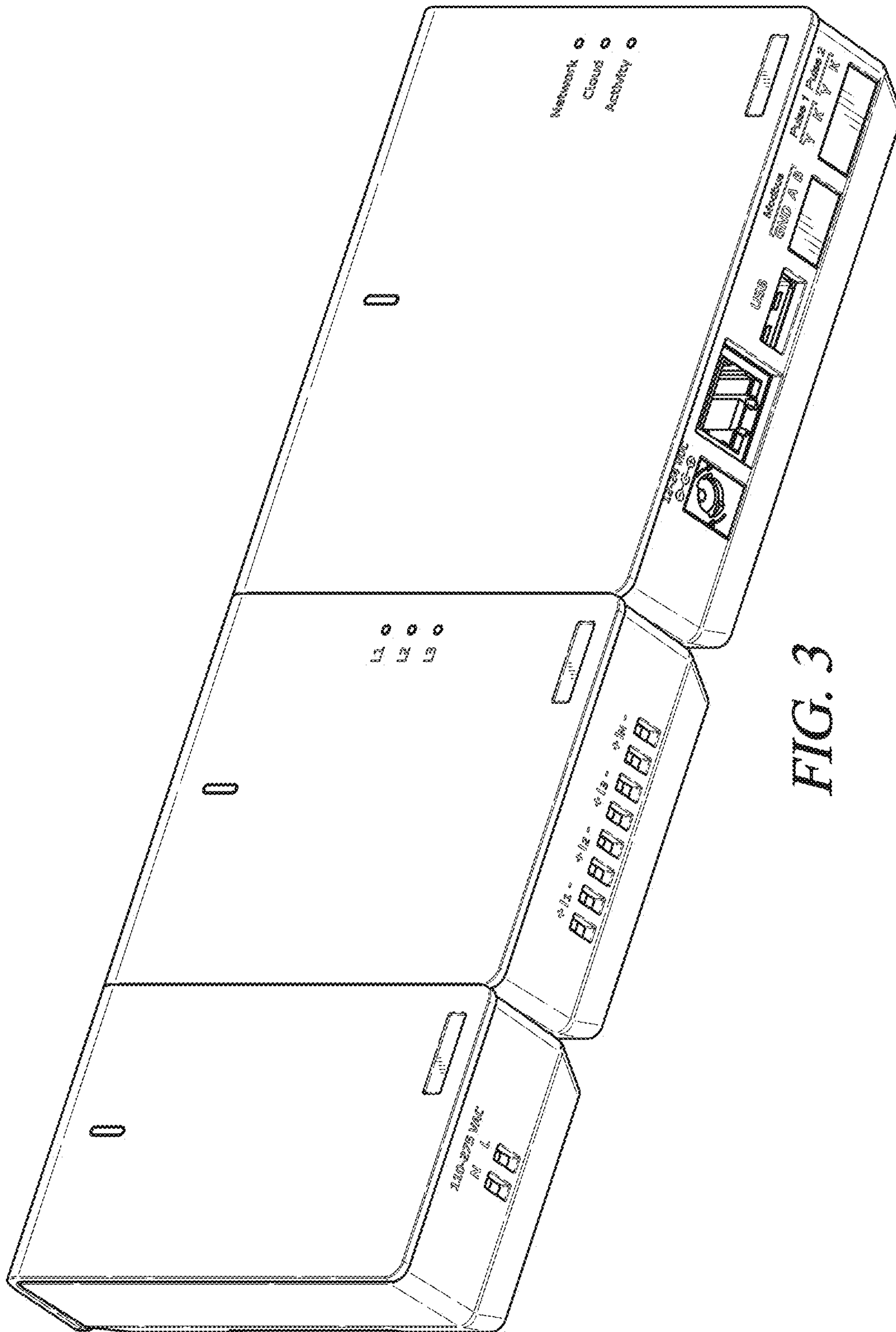


FIG. 1





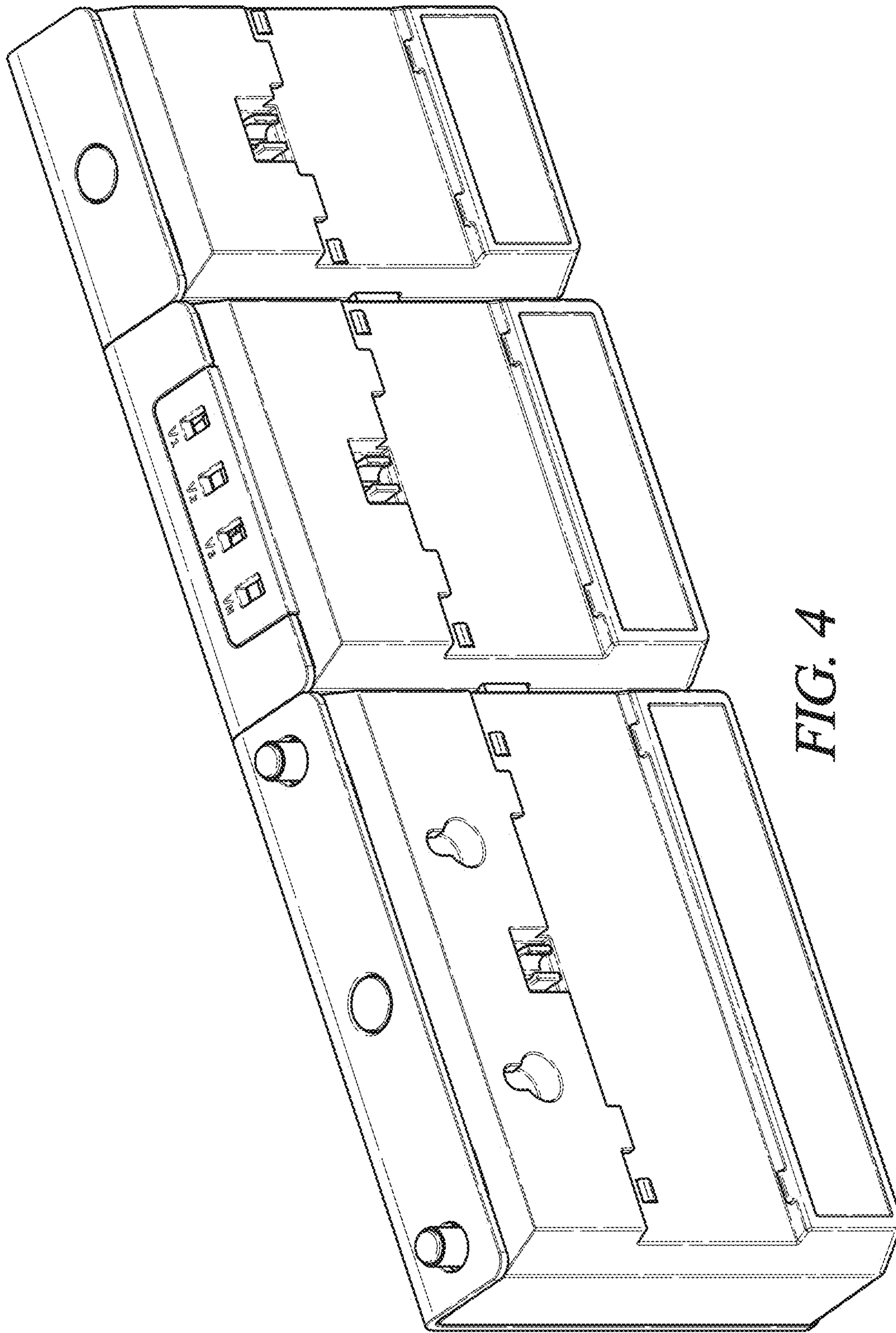


FIG. 4

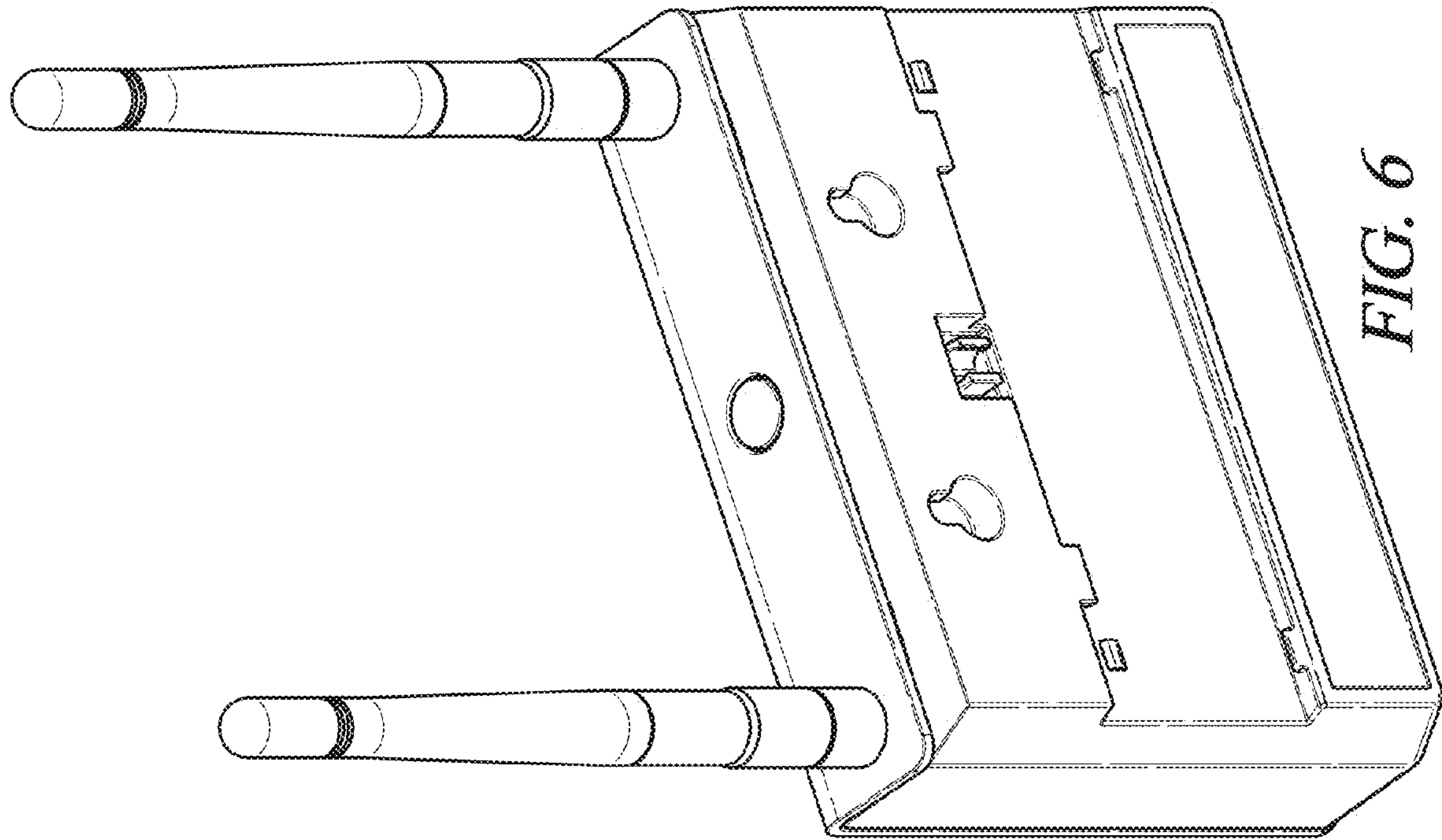


FIG. 6

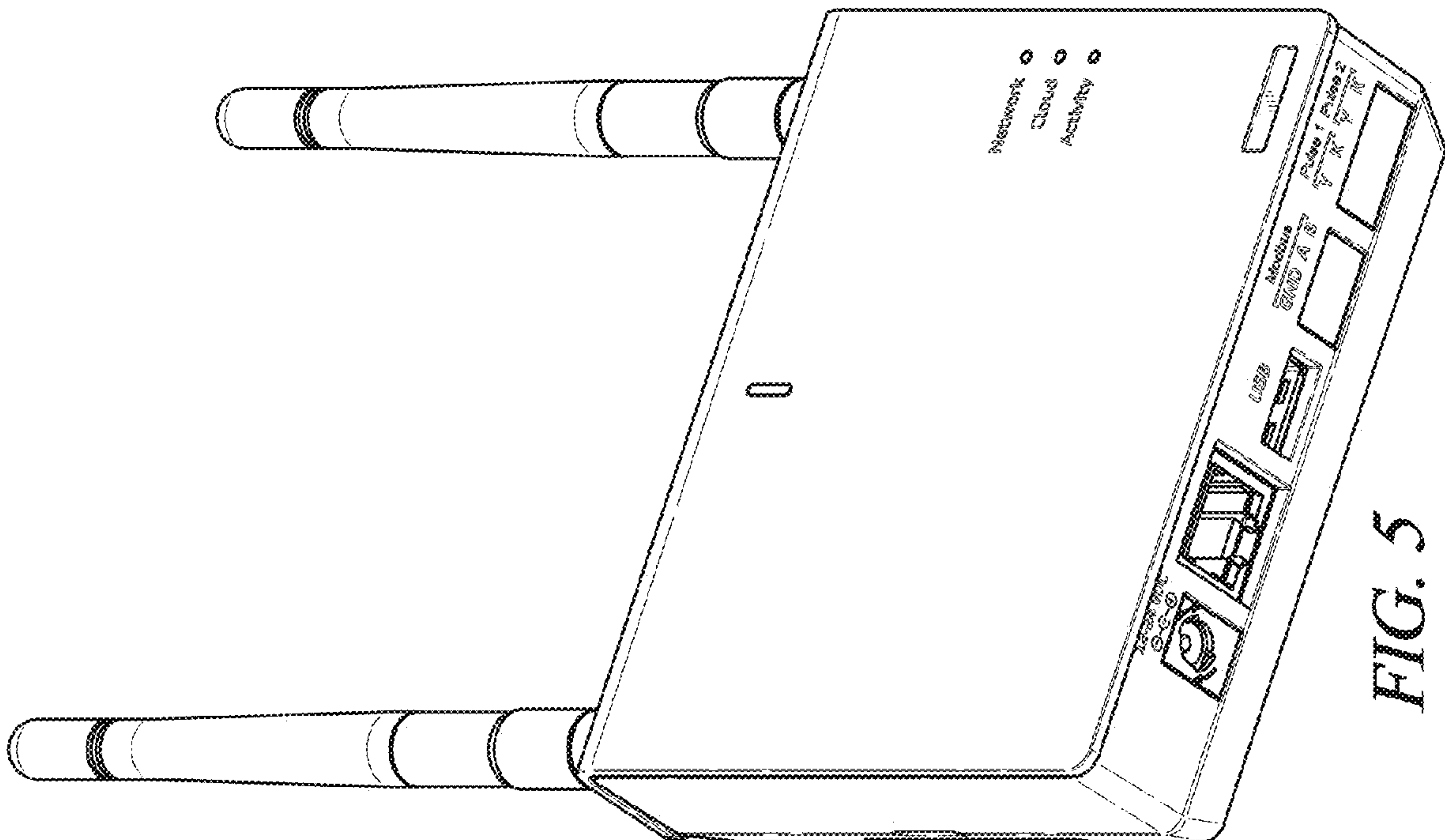


FIG. 5

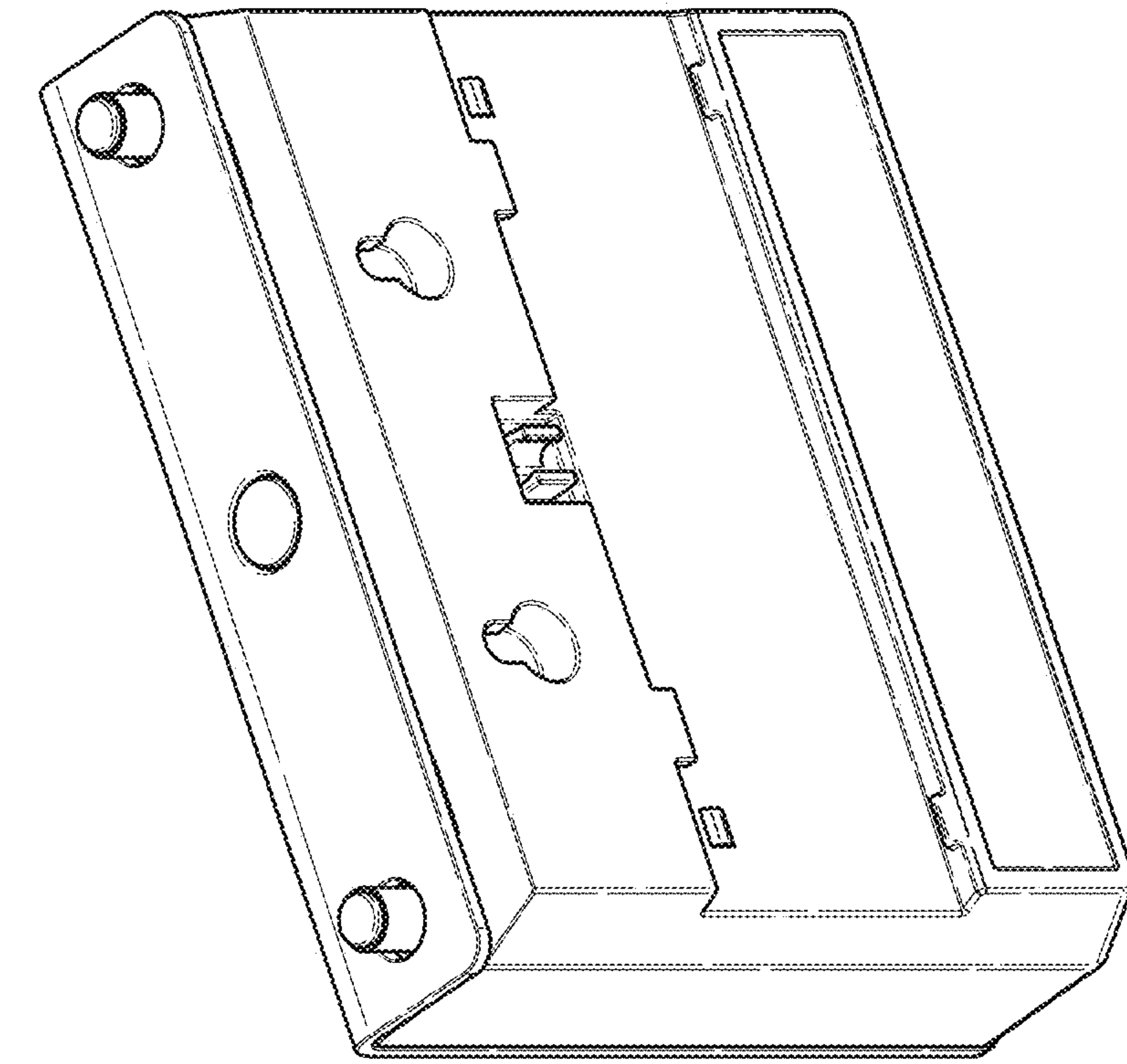


FIG. 8

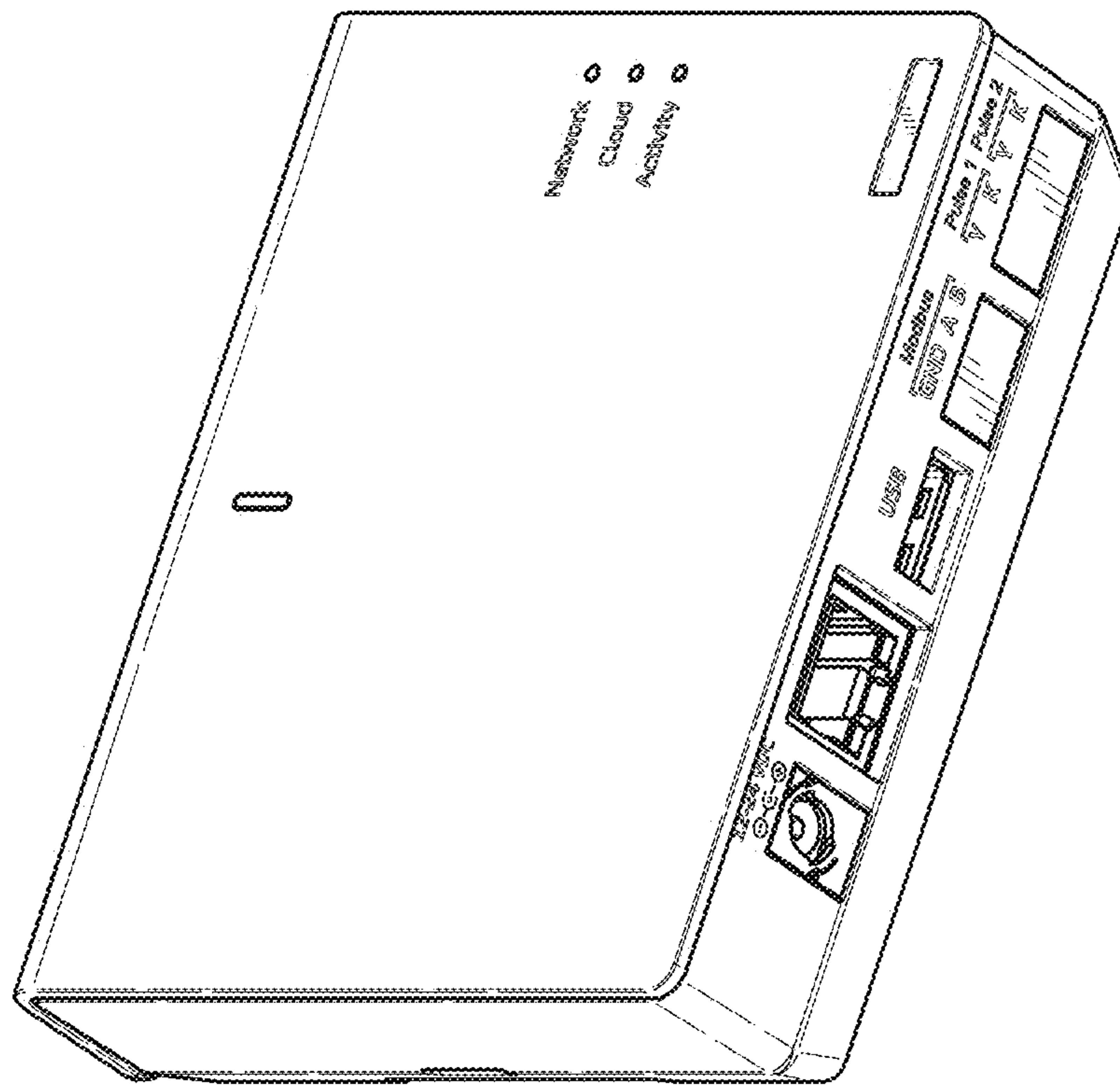


FIG. 7

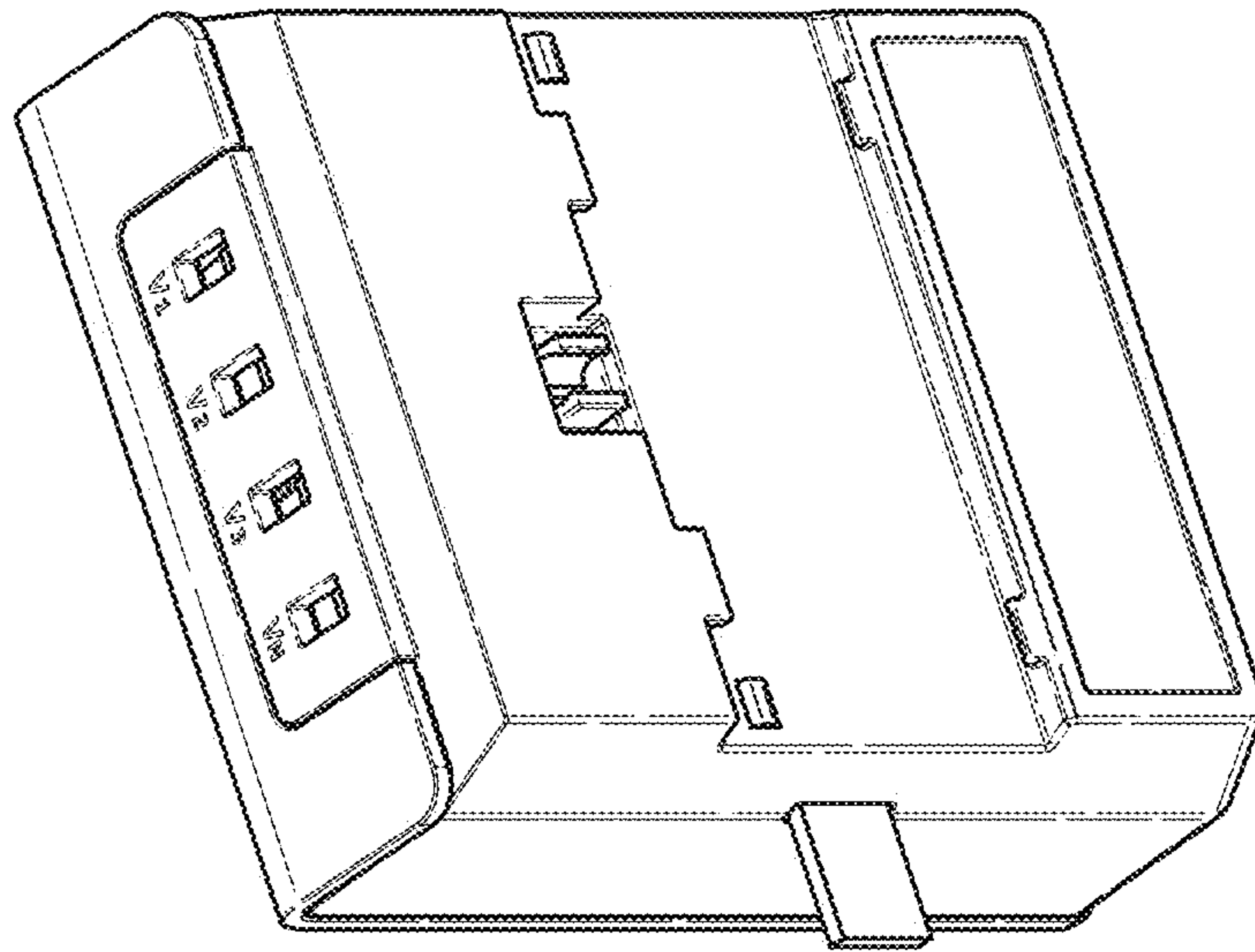


FIG. 10

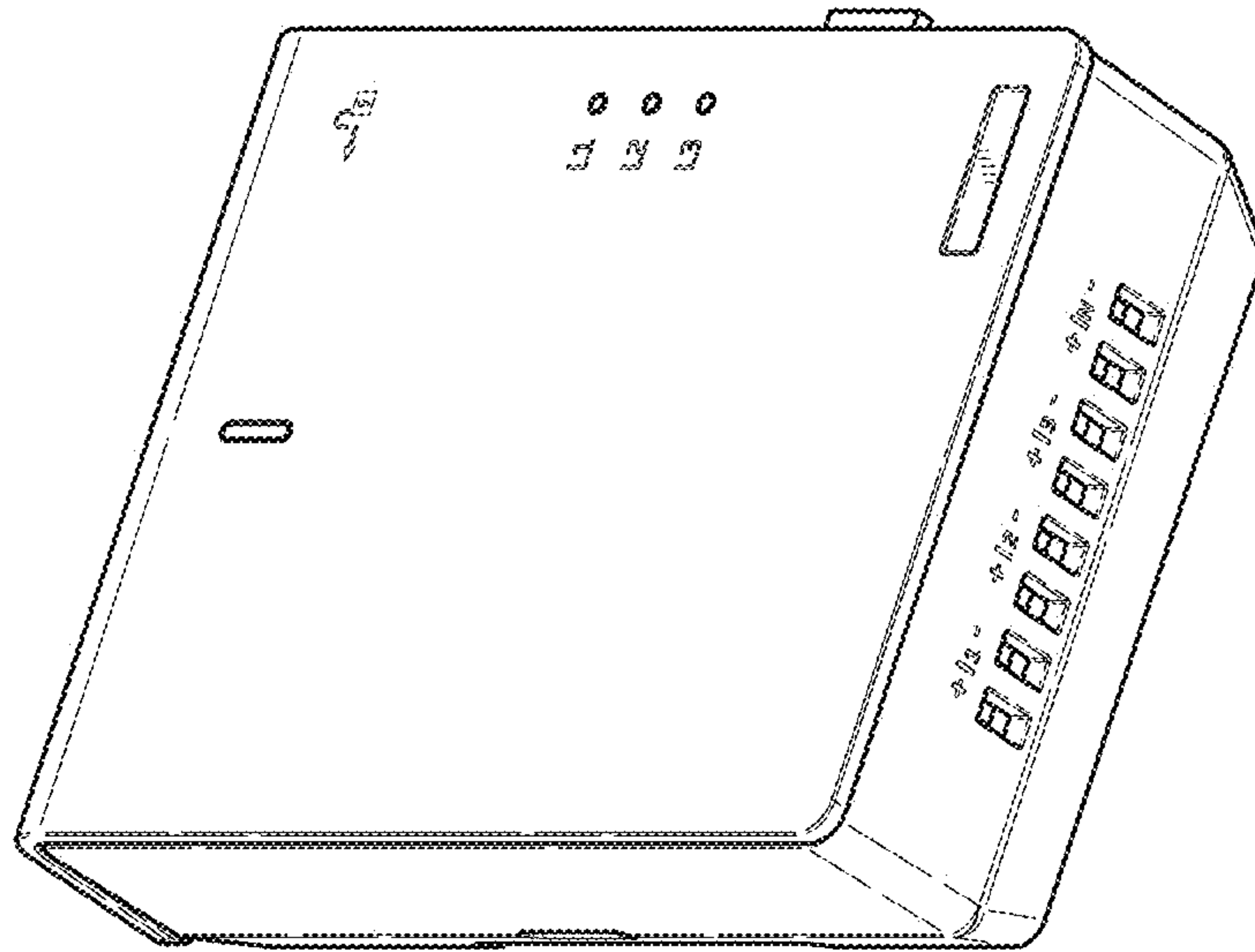


FIG. 9

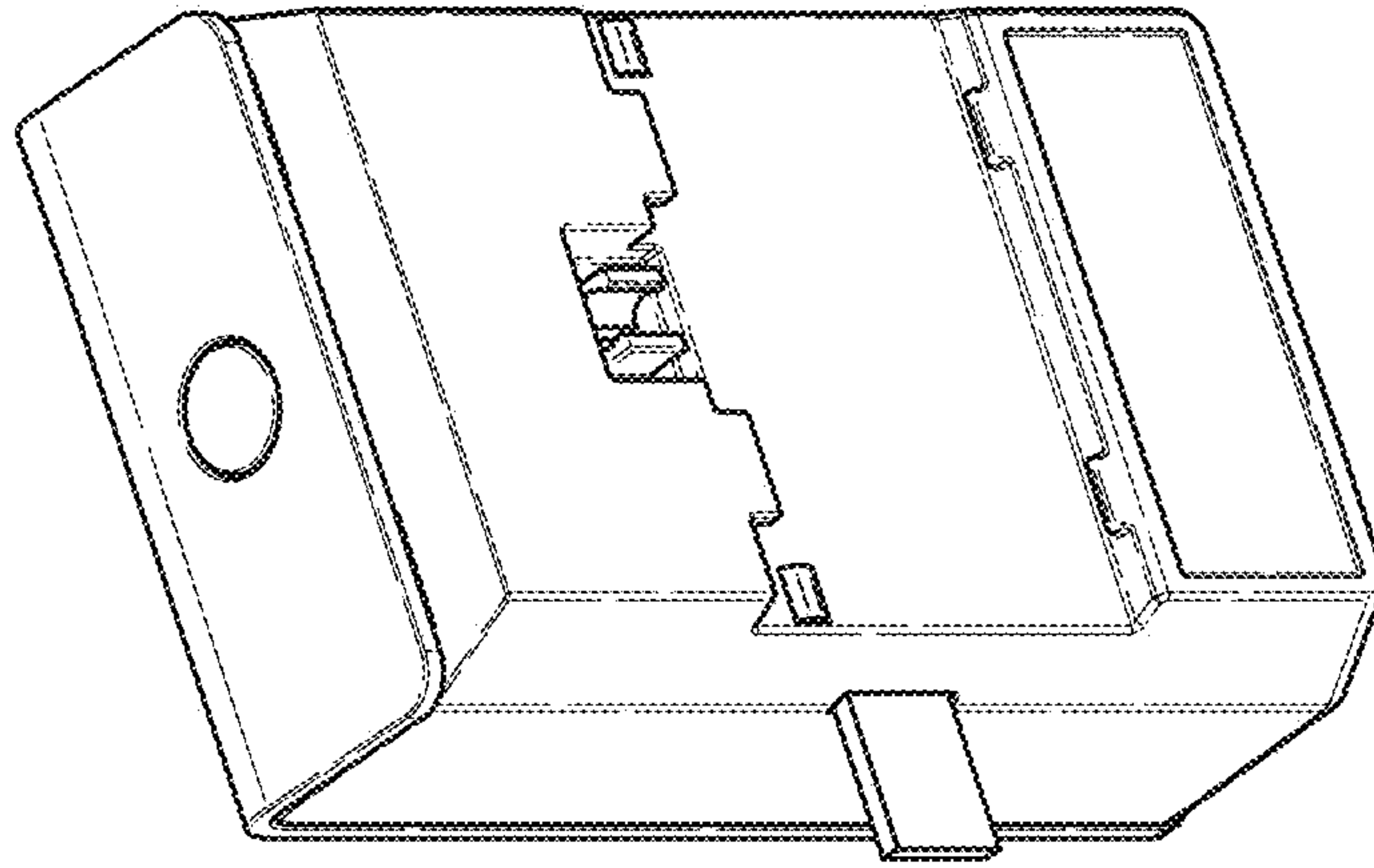


FIG. 12

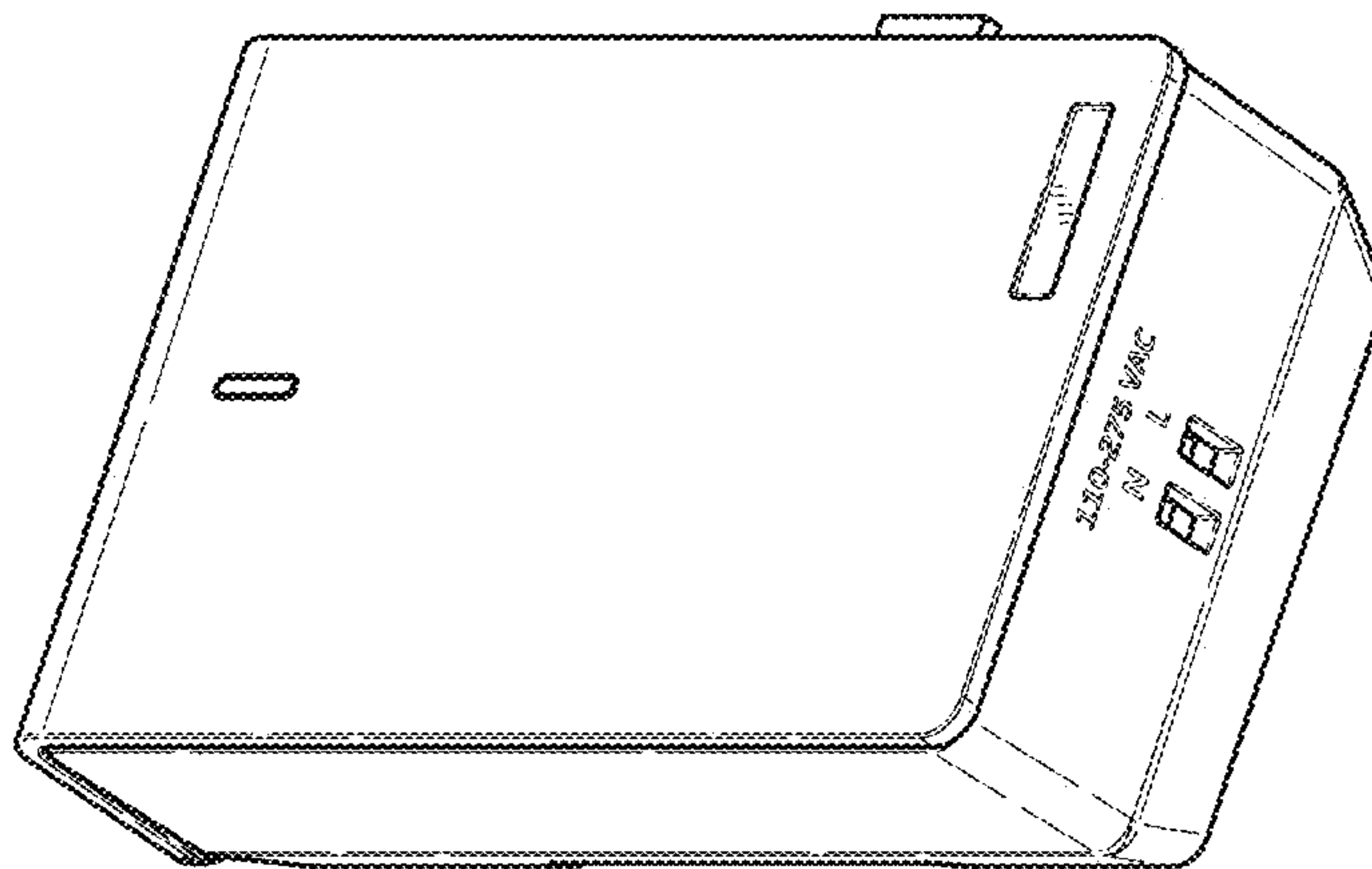


FIG. 11

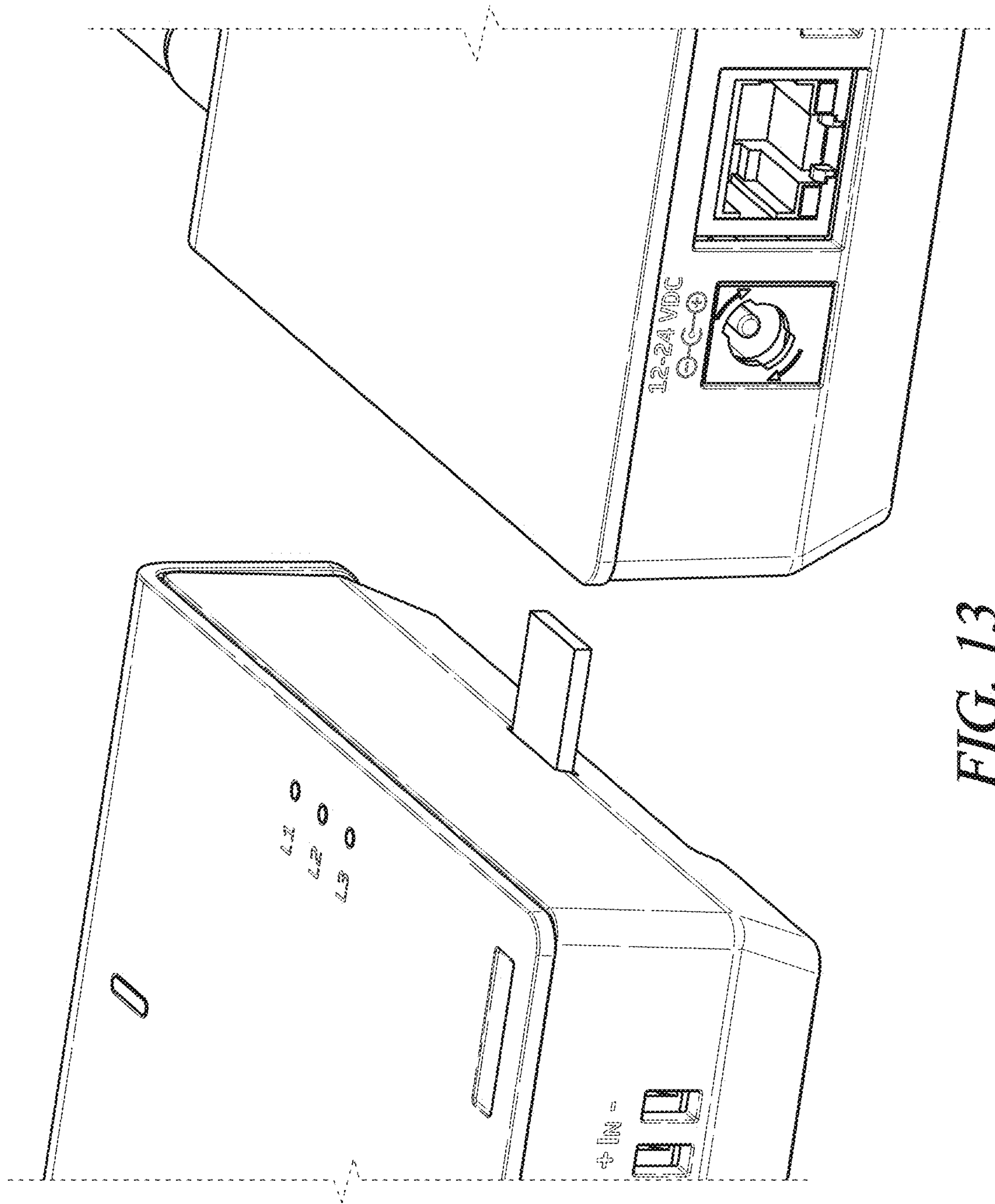


FIG. 13

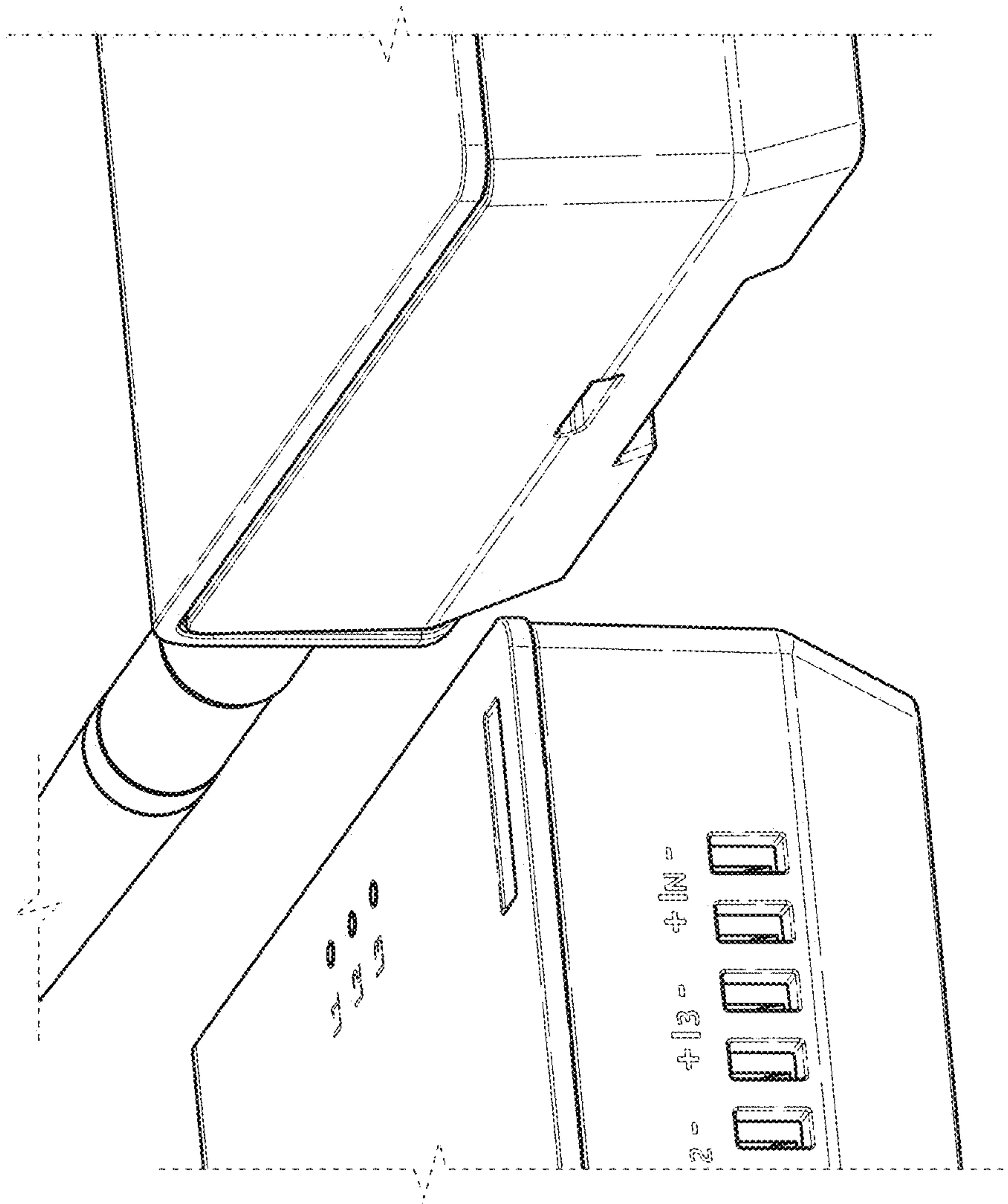


FIG. 14

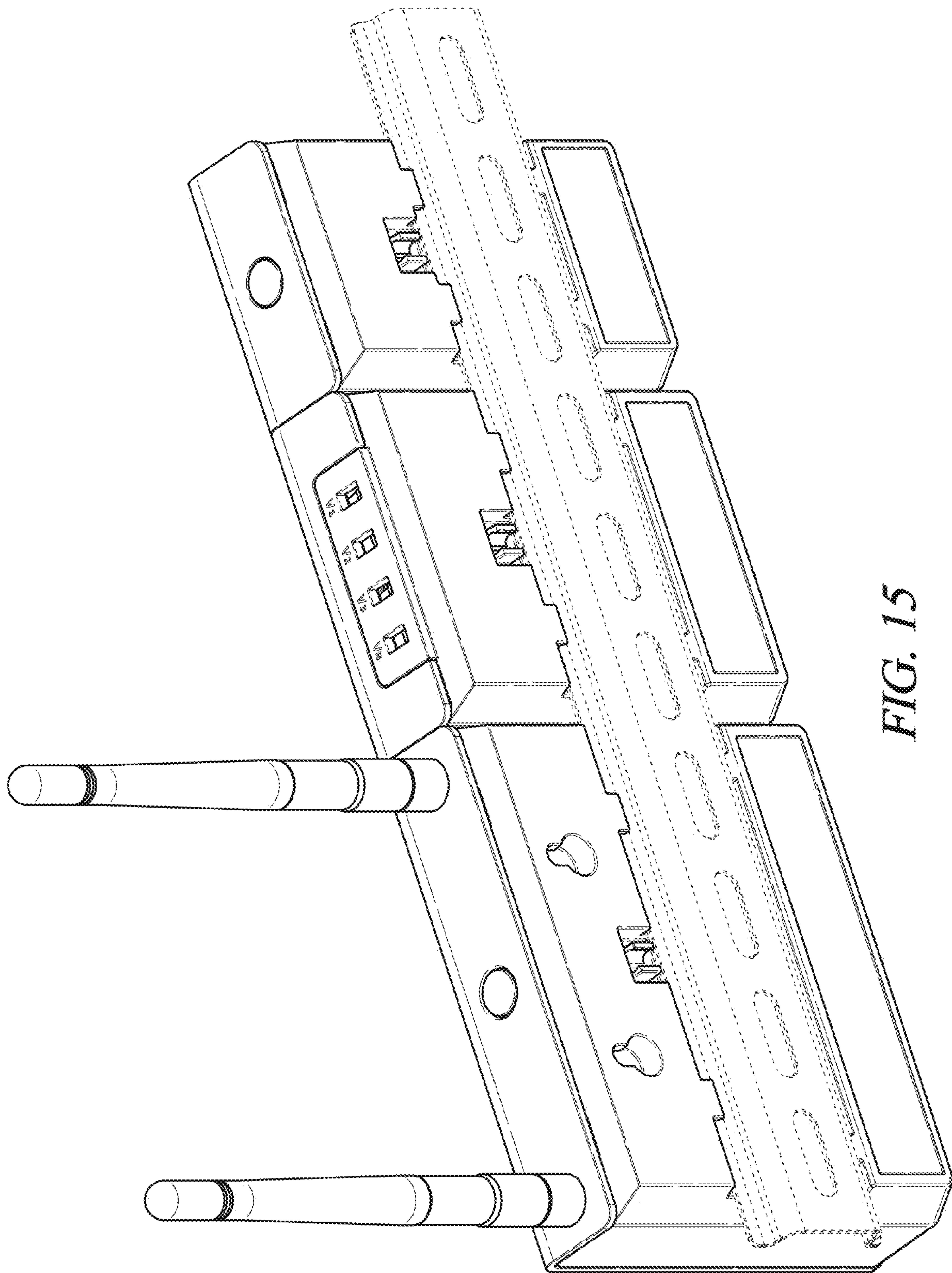


FIG. 15

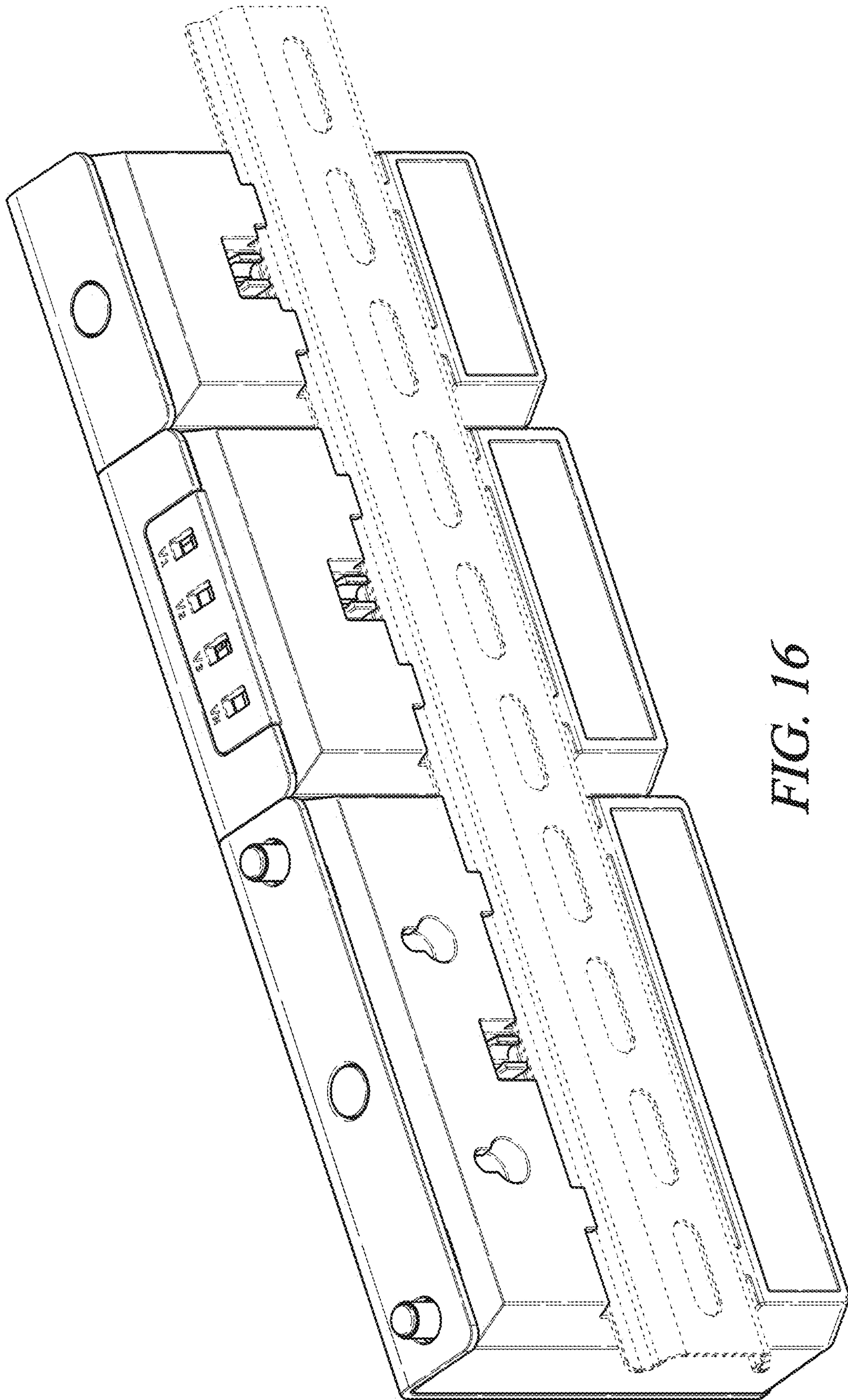


FIG. 16

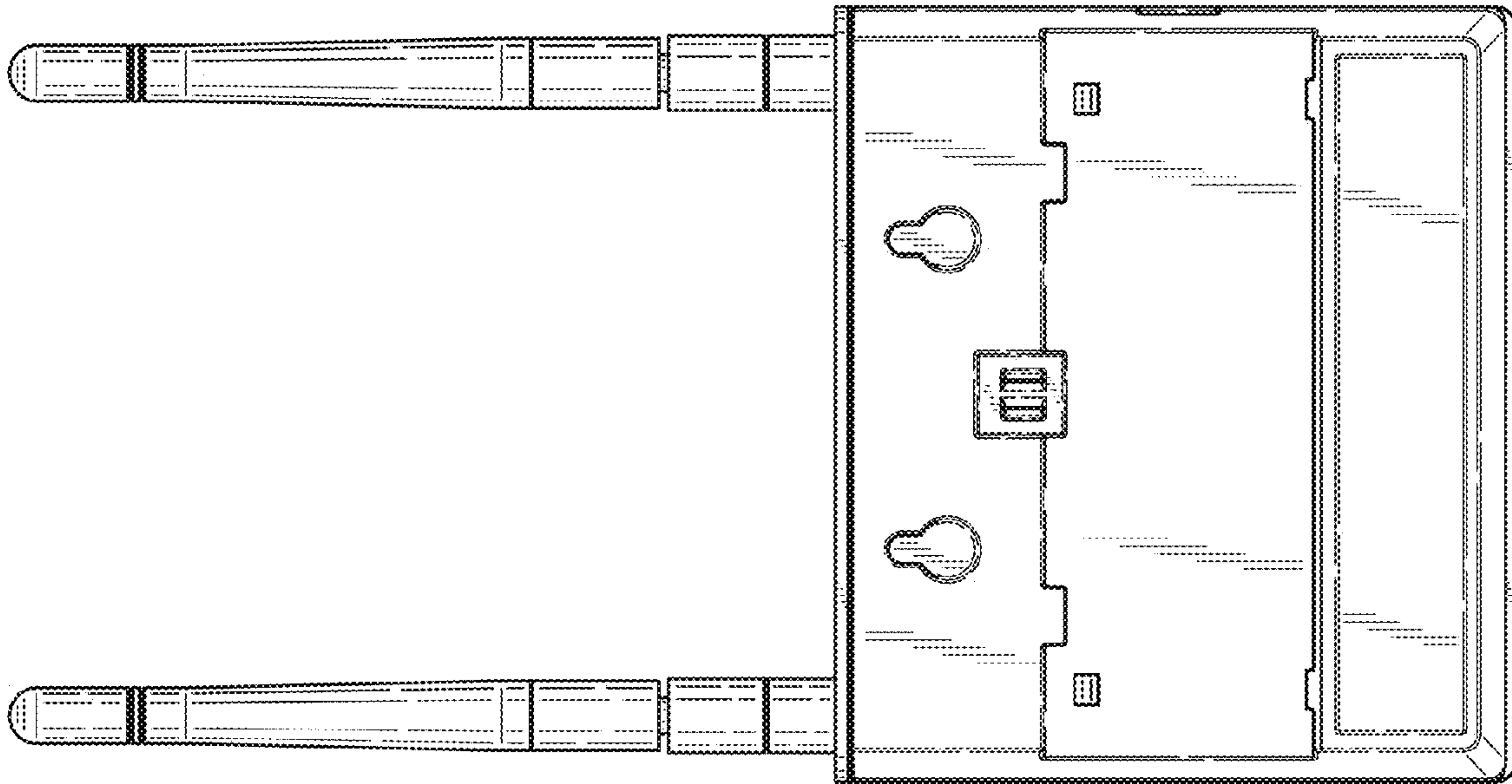


FIG. 18

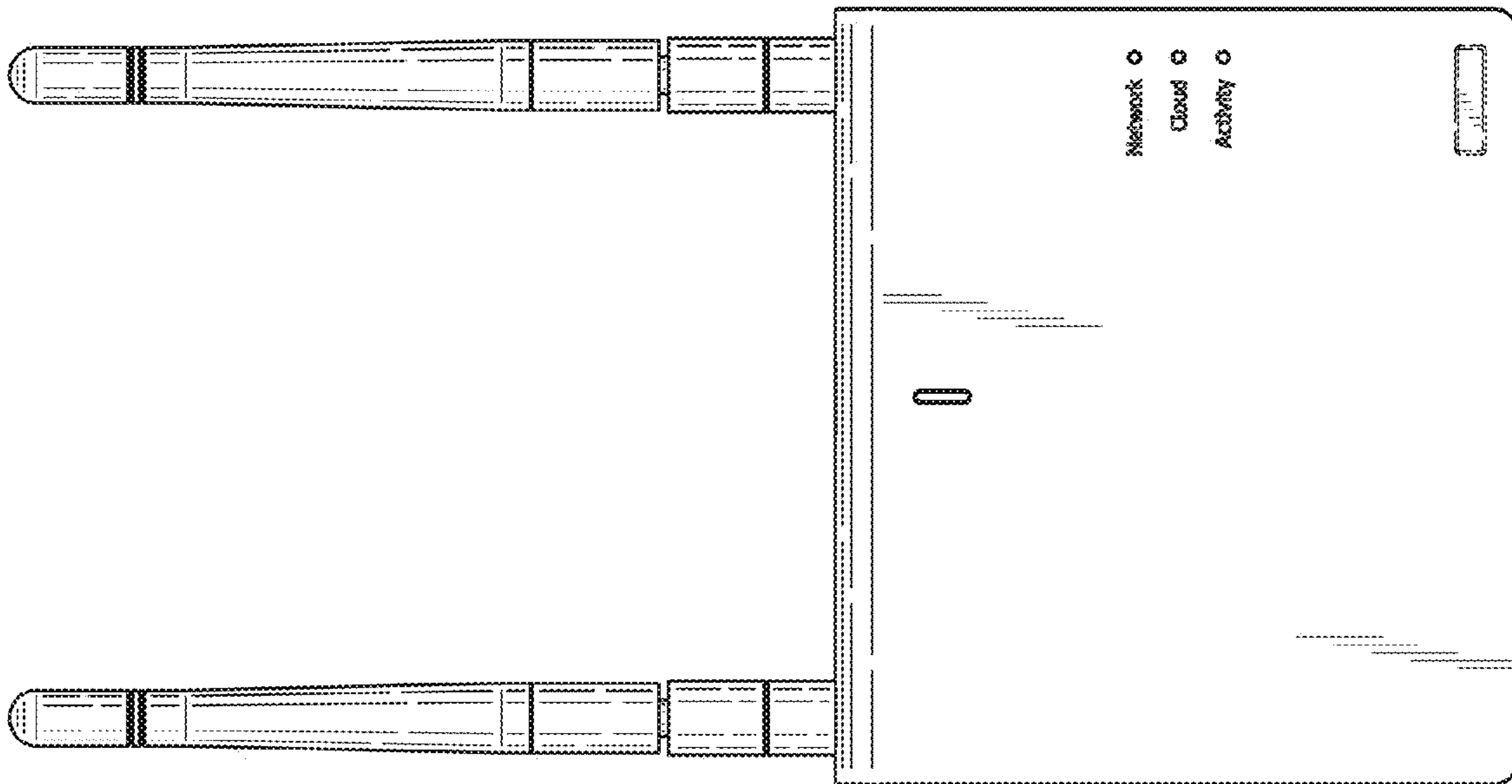


FIG. 17