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(12) United States Design Patent

Jones

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(54) **CONTROL PANEL**

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(73) Assignee: **ASSA ABLOY AB**, Stockholm (SE)

(**) Term: **15 Years**
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(51) **LOC (14) Cl.** **14-02**
(52) **U.S. Cl.**
USPC **D14/357**
(58) **Field of Classification Search**
USPC D14/356, 357, 358, 300, 363, 432, 433, D14/435, 217; D10/106.95, 106.1, 106.2, D10/106.6, 106.9
CPC .. H05K 5/0034; H05K 5/0039; H05K 5/0043; H05K 5/0047; H05K 7/1432; H04W 88/005; H04W 88/00; H02M 7/003
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D364,398	S *	11/1995	Lam	D14/433
D373,349	S *	9/1996	Millard	D14/435
D411,841	S *	7/1999	Vanderheyden	D14/435
6,058,081	A *	5/2000	Schell	G11B 5/5526 369/44.14
6,213,812	B1 *	4/2001	Kan	H01R 13/6485 381/384
D459,724	S *	7/2002	Goto	D14/357
D463,415	S	9/2002	Tomino et al.	
D466,507	S *	12/2002	Nakamura	D14/363
D470,148	S *	2/2003	Nishio	D14/433
D472,242	S *	3/2003	Tomino	D13/133
D499,731	S *	12/2004	Fan	D14/433

(Continued)

FOREIGN PATENT DOCUMENTS

CN	305347701	9/2019
CN	305801890	5/2020
CN	306266032	1/2021
CN	306266056	1/2021
CN	306289437	1/2021
CN	306336359	2/2021
KR	300375170 B1	3/2005

OTHER PUBLICATIONS

HID Global Introduces HID Aero Platform With Open Architecture, announced Jul. 10, 2020 [online], retrieved May 9, 2022, retrieved from internet, https://www.securitysales.com/access/hid-global-introduces-hid-aero/.*

(Continued)

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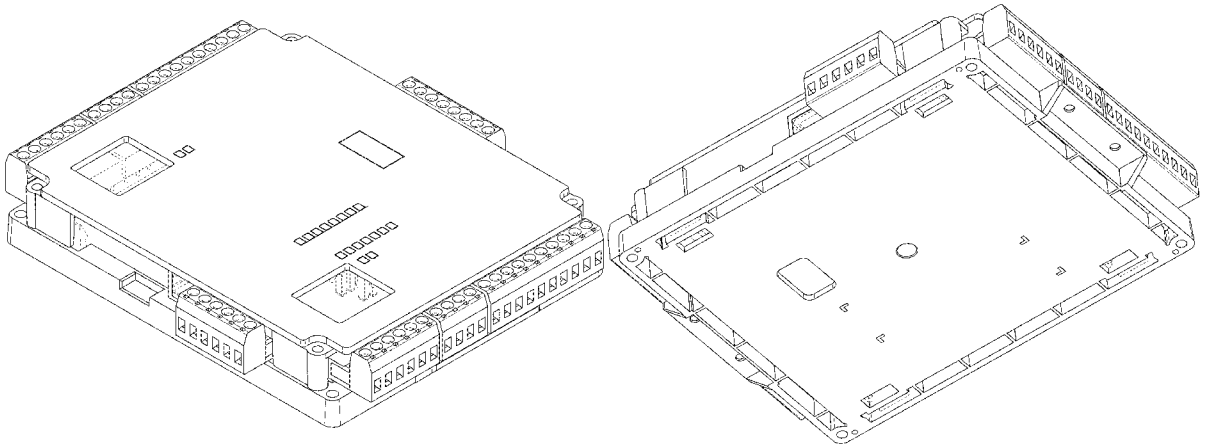
(57) **CLAIM**

The ornamental design for a control panel, as shown and described.

DESCRIPTION

FIG. **1** is a top-front-right isometric view of a control panel, showing my new design;
FIG. **2** is a bottom-front-right isometric view of the control panel of FIG. **1**;
FIG. **3** is a top-rear-left isometric view of the control panel of FIG. **1**;
FIG. **4** is a bottom-rear-left isometric view of the control panel of FIG. **1**;
FIG. **5** is a front view of the control panel of FIG. **1**;
FIG. **6** is a rear view of the control panel of FIG. **1**;
FIG. **7** is a left view of the control panel of FIG. **1**;
FIG. **8** is a right view of the control panel of FIG. **1**;
FIG. **9** is a top view of the control panel of FIG. **1**; and,
FIG. **10** is a bottom view of the control panel of FIG. **1**.
The broken lines of FIGS. **1** to **10** are provided for purposes of illustrating portions that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D504,662	S		5/2005	Person et al.
D505,133	S	*	5/2005	Ashida D14/435
D509,472	S		9/2005	Vinciarelli et al.
D510,324	S		10/2005	Lin et al.
D524,246	S		7/2006	Wang et al.
D556,686	S		12/2007	Matsuo et al.
D558,684	S		1/2008	Dornauer et al.
D561,705	S		2/2008	Tsuduki
D565,573	S	*	4/2008	Alo D14/435
D613,694	S		4/2010	Yu
D618,680	S	*	6/2010	Marchand D14/357
D626,075	S		10/2010	Truskett et al.
7,817,406	B2		10/2010	Bremicker et al.
D632,695	S	*	2/2011	Berntsen D14/435
D639,753	S	*	6/2011	Saari D13/164
D654,066	S		2/2012	Yi et al.
D670,186	S		11/2012	Aesch, Jr. et al.
D673,114	S		12/2012	Schnakenberg, III et al.
D699,669	S		2/2014	Kasaba et al.
D728,395	S		5/2015	Roberts et al.
D729,249	S	*	5/2015	Sun D14/435
9,099,163	B1	*	8/2015	Casey G11B 33/08
D742,314	S		11/2015	Nishikawa
D753,604	S		4/2016	Druscovich et al.
D766,161	S		9/2016	Barassi et al.
9,464,452	B2		10/2016	Higgs
D773,469	S	*	12/2016	Ellis, II D14/432
9,559,508	B2		1/2017	Shepard et al.
9,603,291	B2		3/2017	Soyano
9,698,507	B2		7/2017	Chang et al.
D794,030	S	*	8/2017	Kim D14/435
D794,031	S	*	8/2017	You D14/435
D794,032	S		8/2017	You et al.
D794,033	S	*	8/2017	Park D14/435
9,747,738	B1		8/2017	Wendling et al.
9,795,049	B2		10/2017	Tada et al.
D804,484	S	*	12/2017	Kim D14/435
D804,485	S	*	12/2017	Yang D14/435
D813,807	S	*	3/2018	Spiegel D13/110
D853,961	S		7/2019	Kanarellis
10,411,420	B2		9/2019	Lokesh et al.
D869,301	S		12/2019	Komoni et al.
10,574,150	B2		2/2020	Yamanaka et al.
D910,582	S		2/2021	Migliorino et al.
10,958,127	B2		3/2021	Tramet et al.
D919,628	S	*	5/2021	Ma D14/433
D924,938	S		7/2021	Lörner
D946,571	S		3/2022	Garipov et al.
D947,185	S		3/2022	Imaizumi et al.
11,290,000	B2		3/2022	Nygren et al.
2005/0102889	A1		5/2005	Hoyes
2007/0252170	A1	*	11/2007	Lin G11B 17/056
2008/0302643	A1		12/2008	Victor et al.
2012/0223974	A1		9/2012	Chang et al.
2014/0094050	A1	*	4/2014	Yamanaka H01R 12/00 439/327
2016/0254606	A1	*	9/2016	Hu H01R 13/245 439/632
2017/0127540	A1		5/2017	You et al.
2019/0014681	A1		1/2019	Jang
2019/0200475	A1		6/2019	Tramet et al.
2019/0304872	A1		10/2019	Onaga et al.
2022/0022335	A1		1/2022	Takagi

OTHER PUBLICATIONS

HID Aero™ Controllers, announced © 2000-2022 [online], retrieved May 9, 2022, retrieved from internet, https://www.securityinformed.com/hid-aero-controllers-access-control-controller-technical-details.html?utm_source=SSc%20International%20Edition&utm_medium=Redirect&utm_campaign=International%20Redirect%20Popup.*

HID® Aero™ X1100, announced ©2022 [online], retrieved May 9, 2022, retrieved from internet, https://www.hidglobal.com/products/controllers/aero/x1100.*

HID Aero™ Controllers, announced May 27, 2020 [online], retrieved May 9, 2022, retrieved from internet, https://www.hidglobal.com/doclib/files/resource_files/hid-aero-controllers-br-en.pdf.*

Announced Jul. 10, 2020 [online], retrieved May 9, 2022, retrieved from internet.*

U.S. Appl. No. 29/717,558, filed Dec. 18, 2019, Cover and Base Assembly for Control Panel for Access Control System.

U.S. Appl. No. 29/717,559, filed Dec. 18, 2019, Control Panel for Access Control System.

"HID Access Controllers", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers>, (Retrieved Jan. 10, 2020), 3 pgs.

"HID pivCLASS Authentication Module", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers/pivclass/pivclass-authentication-module>, (Retrieved Jan. 10, 2020), 4 pgs.

"HID VertX EVO Access Controllers", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers/vertx-evo>, (Retrieved Jan. 10, 2020), 3 pgs.

"HID VertX EVO V1000 Networked Controller", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers/vertx-evo/v10000>, (Retrieved Jan. 10, 2020), 2 pgs.

"HID VertX V200 Input Monitor Interface", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers/vertx/v200>, (Retrieved Jan. 10, 2020), 4 pgs.

"HID VertX V300 Output Control Interface", HID Global, [Online] Retrieved from the Internet: <URL: https://wwvy.hidglobal.com/products/controllers/vertx/v300>, (Retrieved Jan. 10, 2020), 4 pgs.

"Personal Identity Verification (PIV) Enablement Solutions—pivCLASS", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/sites/default/files/resource_files/pivclass-solutions-br-en.pdf>, (2016), 8 pgs.

"PivCLASS Authentication Module with Reader Services", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/sites/default/files/resource_files/pivclass-authentication-module-ds-en.pdf >, (2017), 2 pgs.

"PivCLASS Installation Overview Guide", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobai.com/doclib/files/resource_files/plt-02750_pivclass_installation_overview.pdf>, (Mar. 2019), 40 pgs.

"V2000 Install Wiring Diagram Example", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/doclib/files/resource_files/72000-902_a.4_v2000_evo_wiring_example.pdf, (Retrieved Jan. 7, 2020), 1 pg.

"V2000 Reader Interface / Network Controller", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/sites/default/files/resource_files/vertx-evo-v2000-ctrlr-ds-en.pdf >, (2016), 2 pgs.

"Vertex EVO V2000 Installation Guide", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/doclib/files/resource_files/72000-901_a.5_vertx_evo_v2000_inst_guide_en.pdf, (Jul. 2016), 22 pgs.

"VertX 71000-902 Install Wiring Diagram Example", HID Global, [Online] Retrieved from the internet: <URL: https://www.hidglobal.com/doclib/files/resource_files/71000-902_a.5_v1000_evo_wiring_example_minus_modem.pdf>, (Retrieved Jan. 7, 2020), 1 pg.

"VertX Access Controllers", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/products/controllers/vertx>, (Retrieved Jan. 10, 2020), 3 pgs.

"VertX EVO V1000 Installation Guide", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/sites/default/files/resource_files/71000-901_a.4_vertx_evo_v1000_inst_guide_en.pdf>, (Jul. 2016), 25 pgs.

"VertX V100 Door/ Reader Interface", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/sites/default/files/resource_files/vertx-v100-controller-ds-en.pdf>, (2016), 2 pgs.

"VertX V100, V200 and V300 Installation Guide", HID Global, [Online] Retrieved from the Internet: <URL: https://www.hidglobal.com/doclib/files/vertx-vx00-install-ins-en.pdf>, (Nov. 2011), 10 pgs.

(56) **References Cited**

OTHER PUBLICATIONS

"Access Control Manager Embedded Controller", Avigilon, youtube.com, from the Internet: <URL: https://www.youtube.com/watch?v=igJMi7nd_II>, [Retrieved on Mar. 25, 2021], (Jun. 7, 2016), 5 pgs.
"U.S. Appl. No. 29/717,558, Final Office Action dated Mar. 9, 2022", 11 pgs.
"U.S. Appl. No. 29/717,558, Non Final Office Action dated Aug. 16, 2021", 11 pgs.
"U.S. Appl. No. 29/717,558, Response filed Mar. 23, 2022 to Final Office Action dated Mar. 9, 2022", 6 pgs.
"U.S. Appl. No. 29/717,558, Response filed Oct. 27, 2021 to Non Final Office Action dated Aug. 16, 2021", 8 pgs.
"U.S. Appl. No. 29/717,559, Examiner Interview Summary dated Apr. 5, 2022", 3 pgs.
"U.S. Appl. No. 29/717,559, Final Office Action dated Feb. 10, 2022", 9 pgs.
"U.S. Appl. No. 29/717,559, Non Final Office Action dated Aug. 16, 2021", 12 pgs.
"U.S. Appl. No. 29/717,559, Notice of Allowance dated May 5, 2022", 8 pgs.
"U.S. Appl. No. 29/717,559, Response filed Mar. 23, 2022 to Final Office Action dated Feb. 10, 2022", 4 pgs.
"U.S. Appl. No. 29/717,559, Response filed Oct. 27, 2021 to Non Final Office Action dated Aug. 16, 2021", 8 pgs.
"CAS300M17BM2 Power Module", Cree, Mouser Electronics, Inc., [Online] Retrieved from the Internet: .<URL: https://www.mouser.com/new/wolfspeed/cree-cas300m17bm2/> [Retrieved on: Mar. 25, 2021], (Sep. 30, 2014), 4 pgs.
"Four Door Access Control Panel", Granding, GlobalSources.com, Publishers Representatives Limited, [Online] Retrieved from the Internet: <URL: https://www.globalsources.com/Access-control/Access-Control-Panel-door-access-control-system-1167495092p.htm#1167495092> [Retrieved on: Mar. 25, 2021], (2021), 8 pgs.
"U.S. Appl. No. 29/717,559, Corrected Notice of Allowability dated Jun. 3, 2022", 2 pgs.
"U.S. Appl. No. 29/717,558, Notice of Allowance dated Jun. 29, 2022", 10 pgs.

* cited by examiner

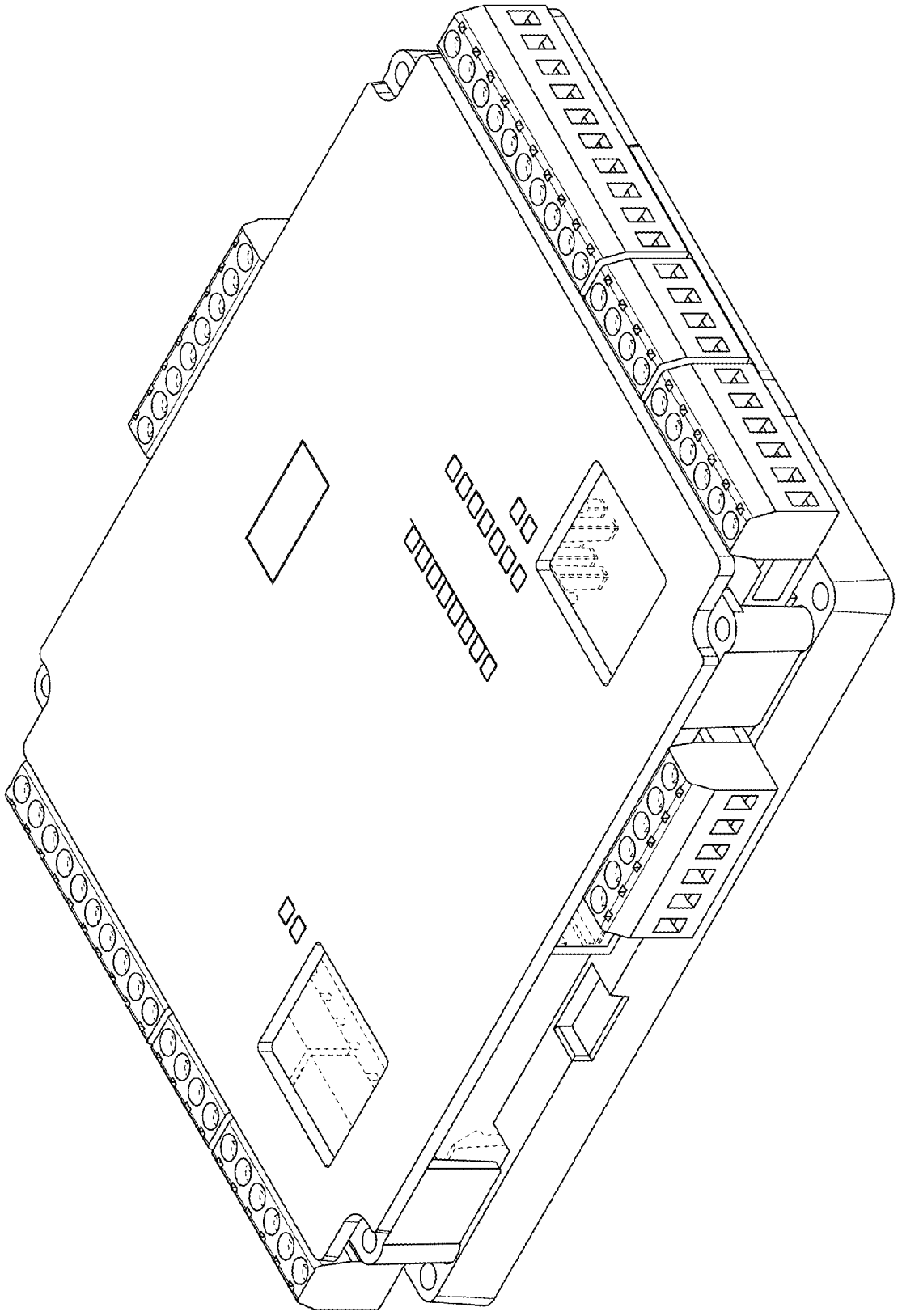


FIG. 1

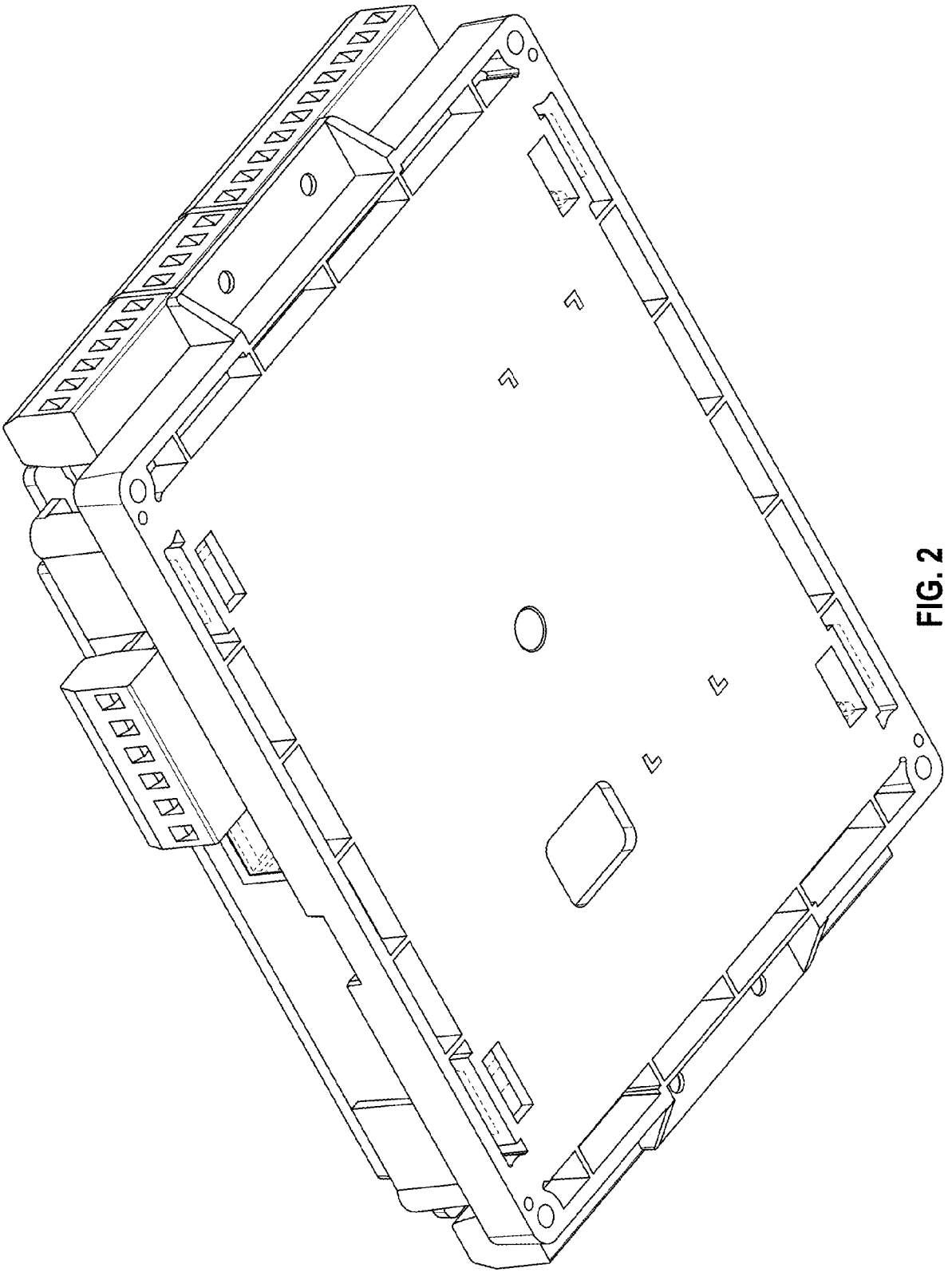


FIG. 2

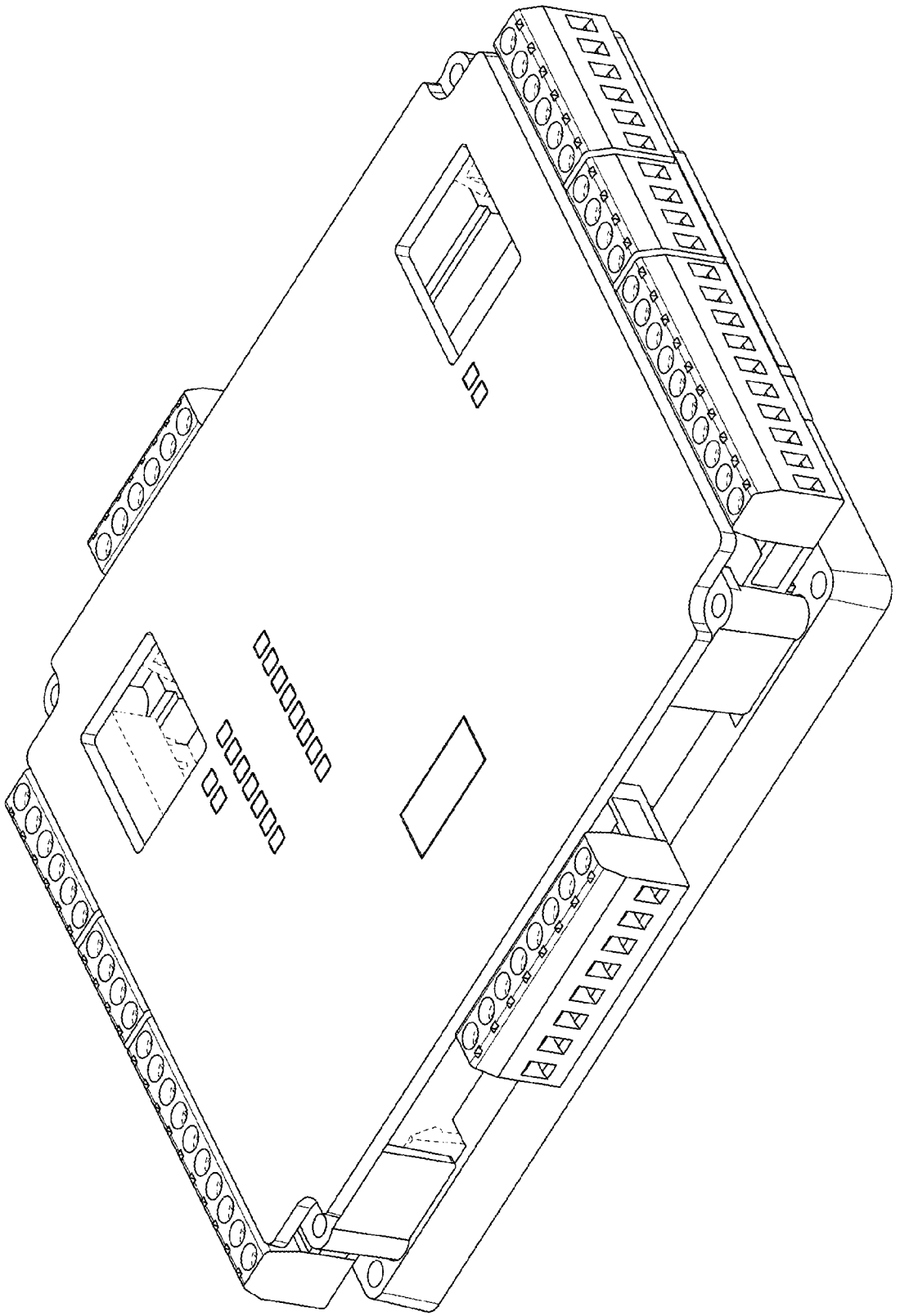


FIG. 3

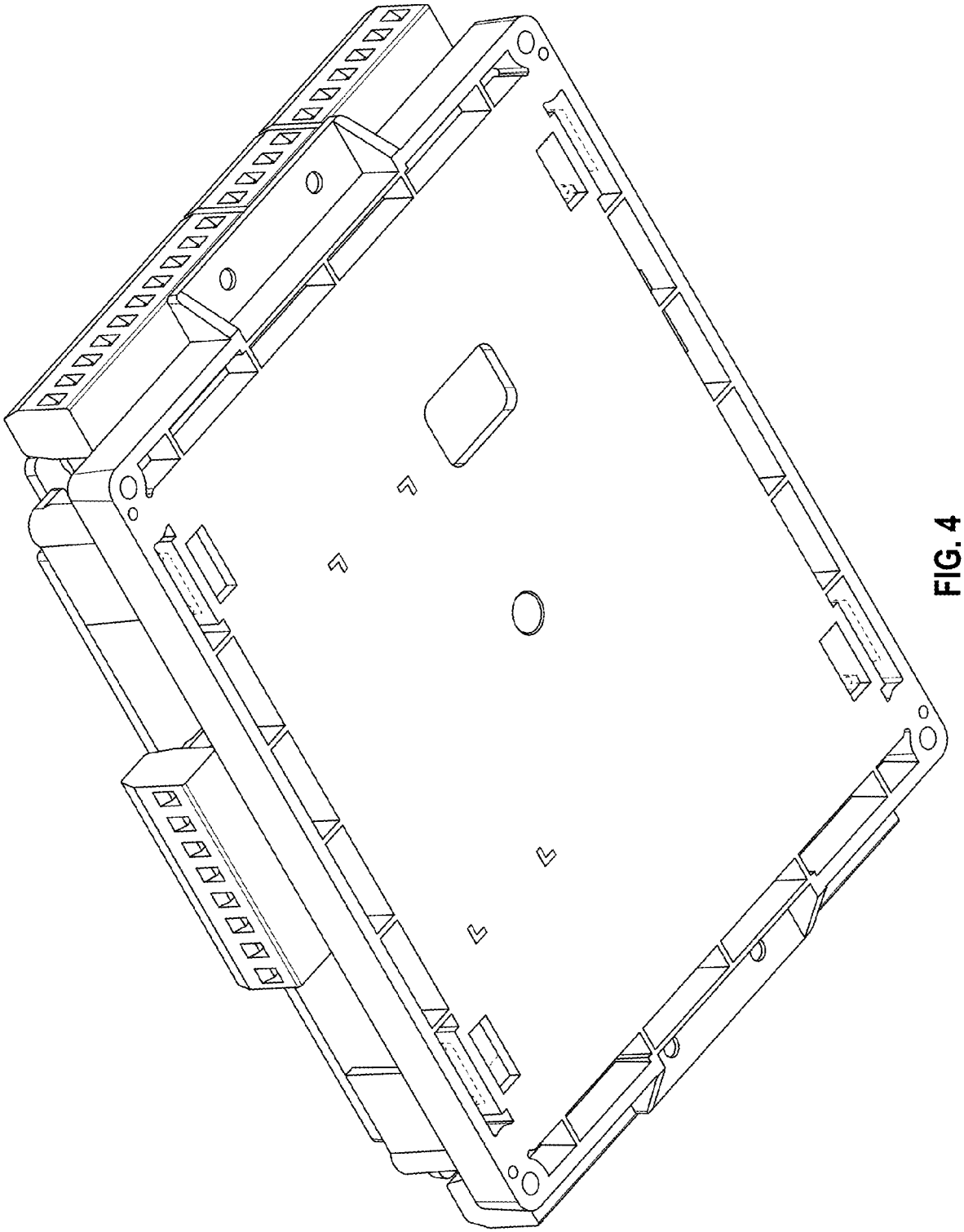


FIG. 4

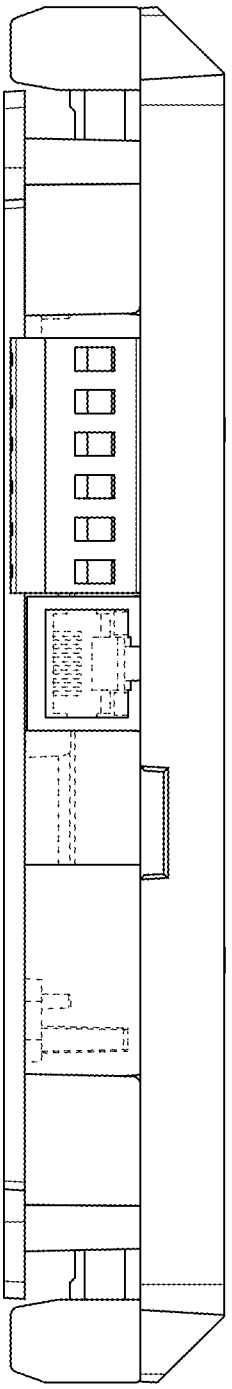


FIG. 5

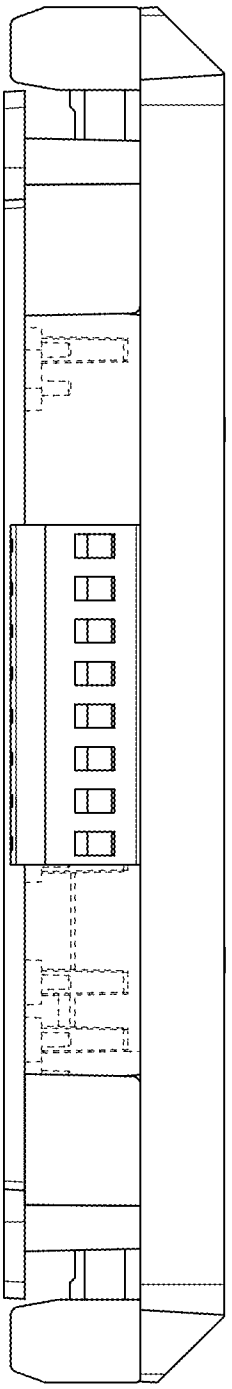


FIG. 6

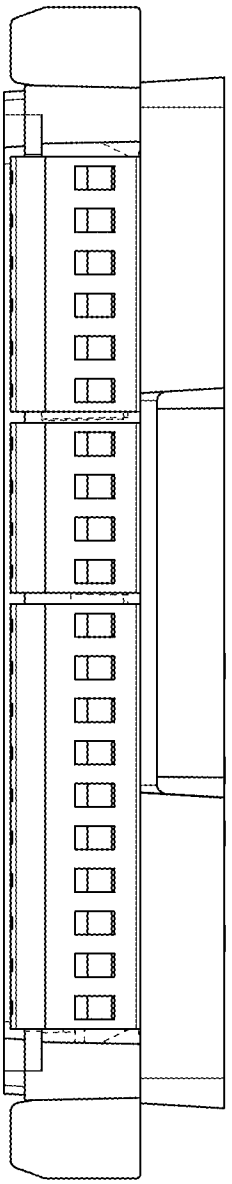


FIG. 7

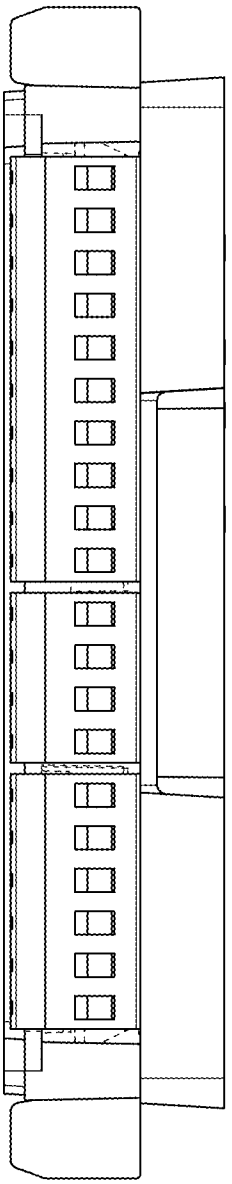


FIG. 8

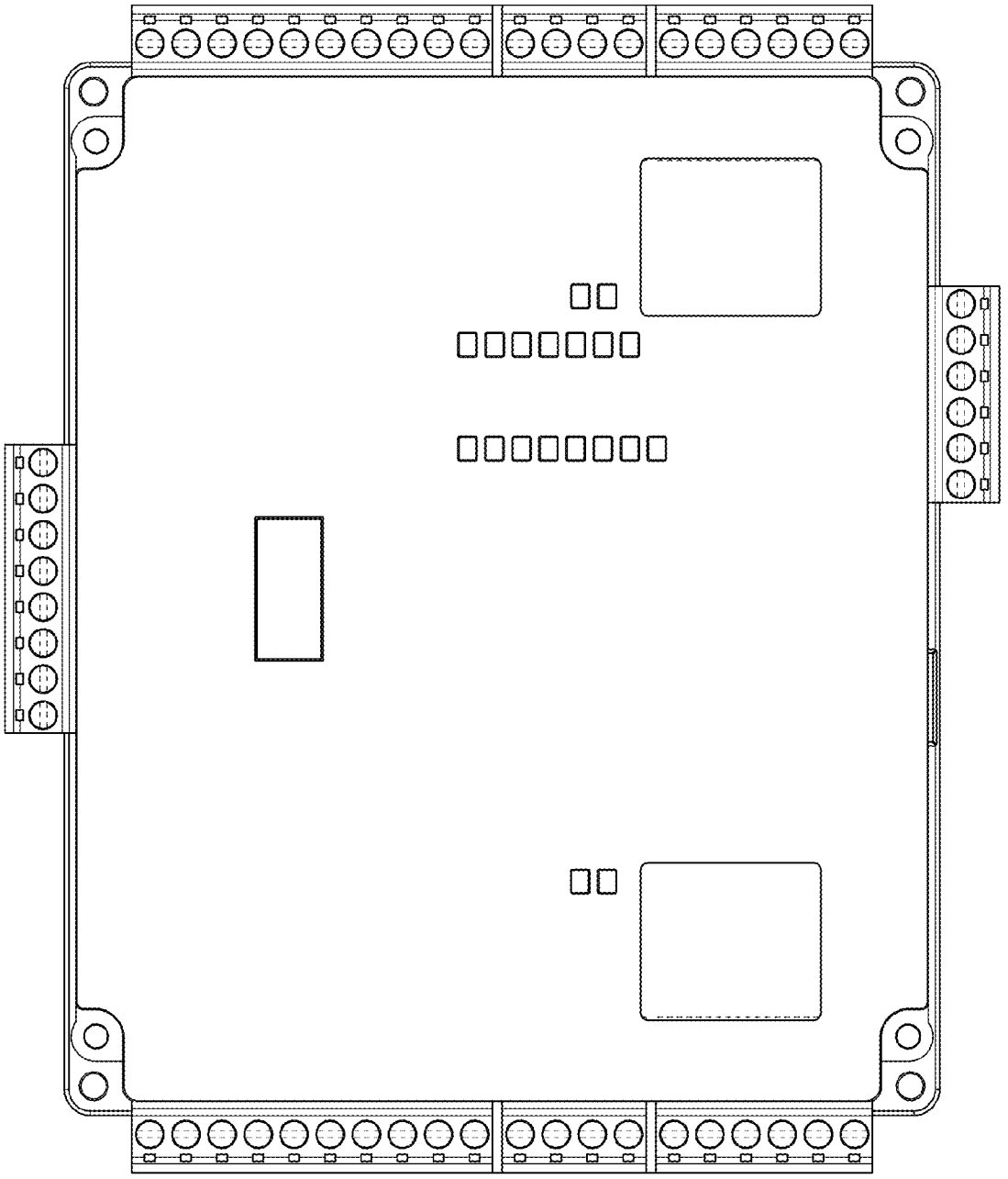


FIG. 9

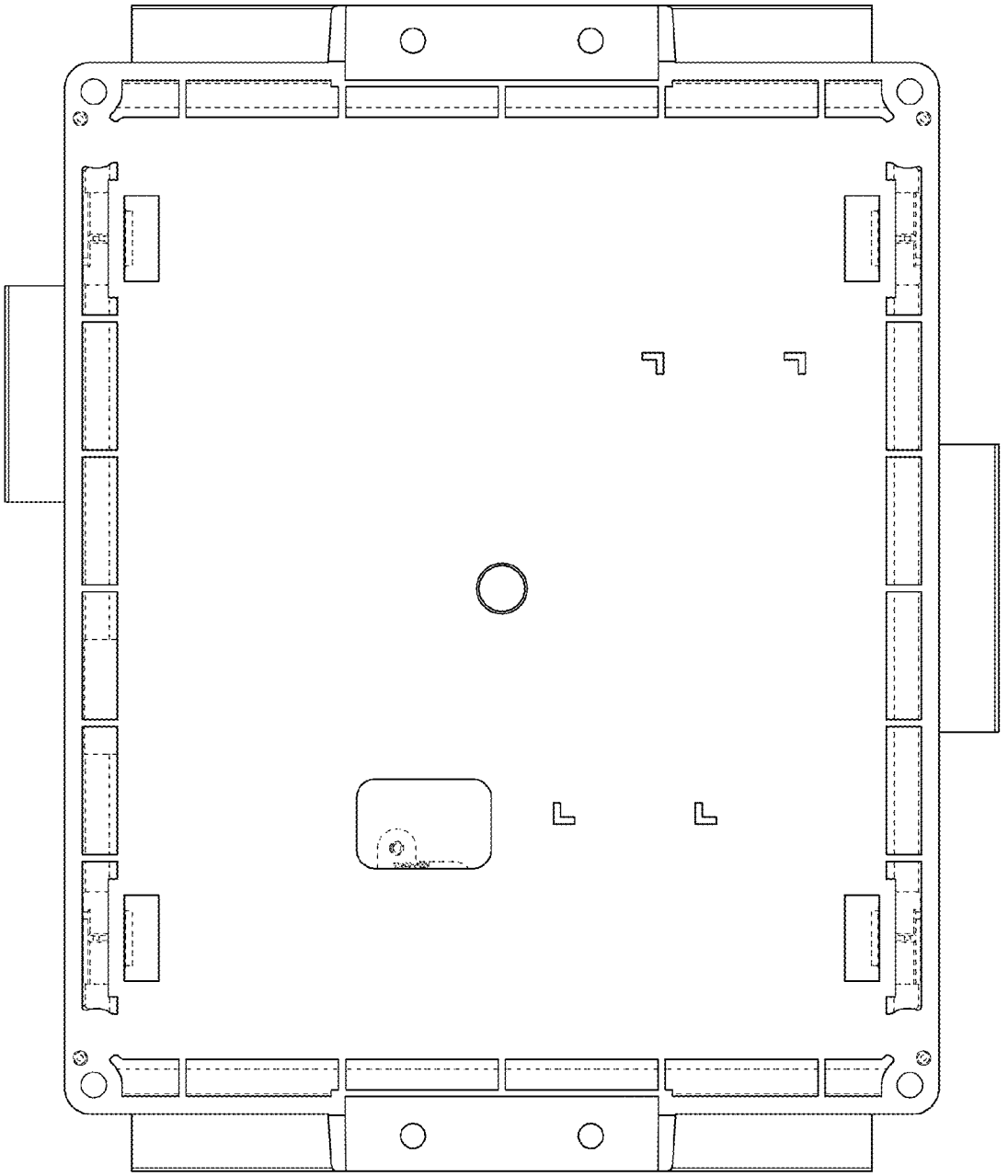


FIG. 10