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

(10) **Patent No.:** **US D731,978 S**

(45) **Date of Patent:** **** Jun. 16, 2015**

(54) **PLUG BLOCK COMPRISING A PLURALITY OF MODULAR PLUGS**

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(71) Applicant: **Phoenix Contact GmbH & Co. KG**,
Blomberg (DE)

(57) **CLAIM**
The ornamental design for an plug block comprising a plurality of modular plugs, as described above and as shown in the accompanying drawings.

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Wewelsburg (DE); **Olaf Schyrocki**, Bad
Pyrmont (DE)

DESCRIPTION

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Blomberg (DE)

FIG. 1 is a bottom plan view of a first embodiment of a plug block comprising a plurality of modular plus showing our new design.

(**) Term: **14 Years**

FIG. 2 is a front elevational view thereof;

(21) Appl. No.: **29/439,657**

FIG. 3 is a rear elevational view thereof;

(22) Filed: **Dec. 13, 2012**

FIG. 4 is a top plan view thereof;

(30) **Foreign Application Priority Data**

FIG. 5 is a top, front and right side perspective view thereof;
FIG. 6 is a bottom plan view of a second embodiment of a plug block comprising a plurality of modular plus showing our new design;

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FIG. 7 is a front elevation view thereof;

(51) **LOC (10) Cl.** **13-03**

FIG. 8 is a rear elevation view.

(52) **U.S. Cl.**

FIG. 9 is a top plan view thereof;

USPC **D13/147**

FIG. 10 is a top, front and right side perspective view thereof;
FIG. 11 is a bottom plan view of a third embodiment of a plug block comprising a plurality of modular plus showing our new design;

(58) **Field of Classification Search**

USPC D13/146, 147, 154, 199

FIG. 12 is a front elevation view thereof;

CPC H01R 4/26; H01R 4/24; H01R 9/26;

FIG. 13 is a rear elevation view thereof;

H01R 11/20; H01R 11/22; H01R 13/62;

FIG. 14 is a top plan view thereof;

H01R 31/08; H01R 33/26; H01H 21/54

FIG. 15 is a top, front and right side perspective view thereof;
FIG. 16 is a bottom plan view of a fourth embodiment of a plug block comprising a plurality of modular plus showing our new design;

See application file for complete search history.

FIG. 17 is a frontal elevation view thereof;

(56) **References Cited**

U.S. PATENT DOCUMENTS

FIG. 18 is a rear elevation view thereof;

7,666,037 B2 * 2/2010 Diessel 439/857

FIG. 19 is a top plan view thereof;

8,128,430 B2 * 3/2012 Diessel 439/507

FIG. 20 is a top, front and right side perspective view thereof;
and,

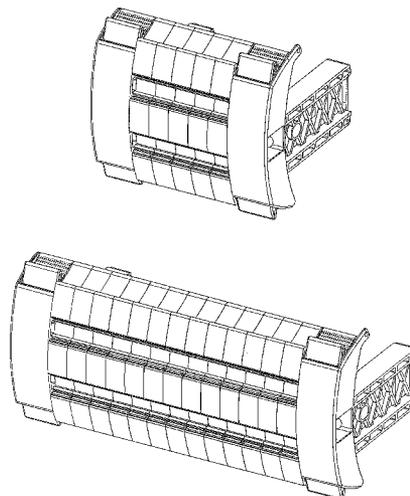
(Continued)

FIGS. 21 & 22 are right and left side elevation views, respectively, of all embodiments.

Primary Examiner — Daniel Bui

Assistant Examiner — Sanjeev Paul

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D671,500	S	*	11/2012	Kettern et al.	.....	D13/149	2009/0221191	A1	*	9/2009	Bentler et al.	.....	439/718
D671,897	S	*	12/2012	Kettern et al.	.....	D13/149	2010/0120295	A1	*	5/2010	Trinh	.....	439/661
8,460,038	B2	*	6/2013	Eisert et al.	.....	439/716	2011/0059658	A1	*	3/2011	Eisert et al.	.....	439/716
2007/0054541	A1	*	3/2007	Wilinski	.....	439/417	2012/0252262	A1	*	10/2012	Reibke et al.	.....	439/507
2009/0157937	A1	*	6/2009	Kuschke et al.	.....	710/305	2012/0258609	A1	*	10/2012	Warneke	.....	439/43
							2013/0217276	A1	*	8/2013	Bentler et al.	.....	439/716
							2014/0113503	A1	*	4/2014	Barber et al.	.....	439/712

* cited by examiner

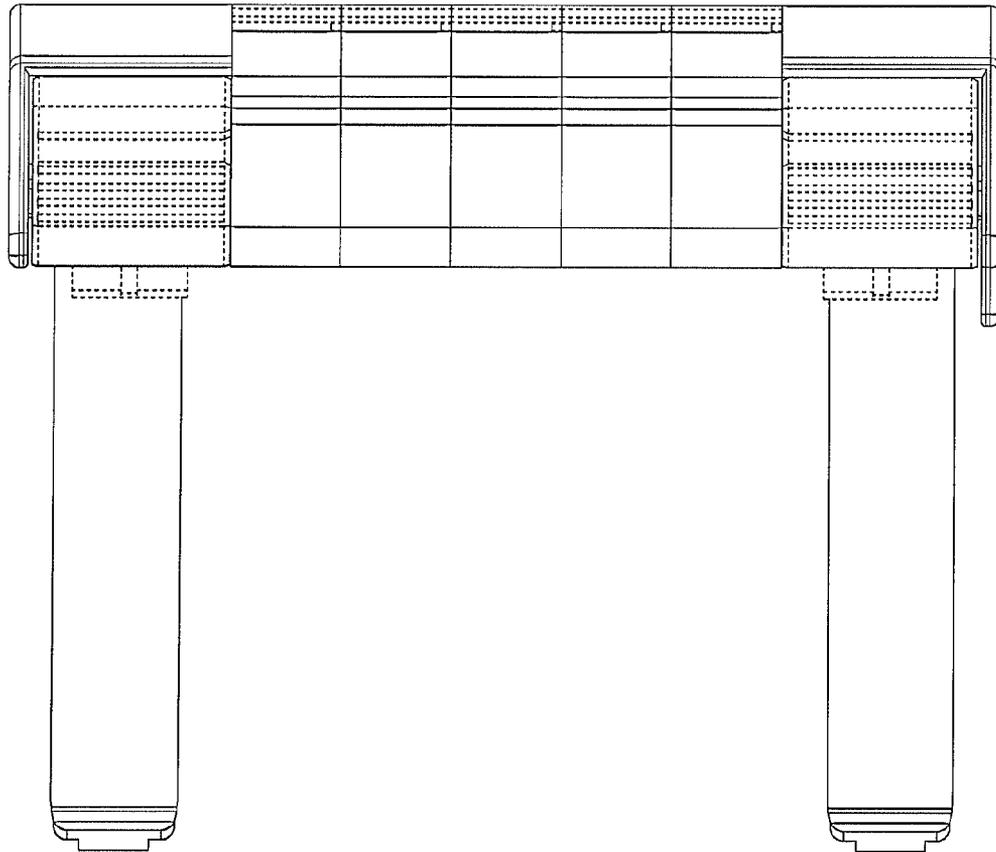


FIG. 1

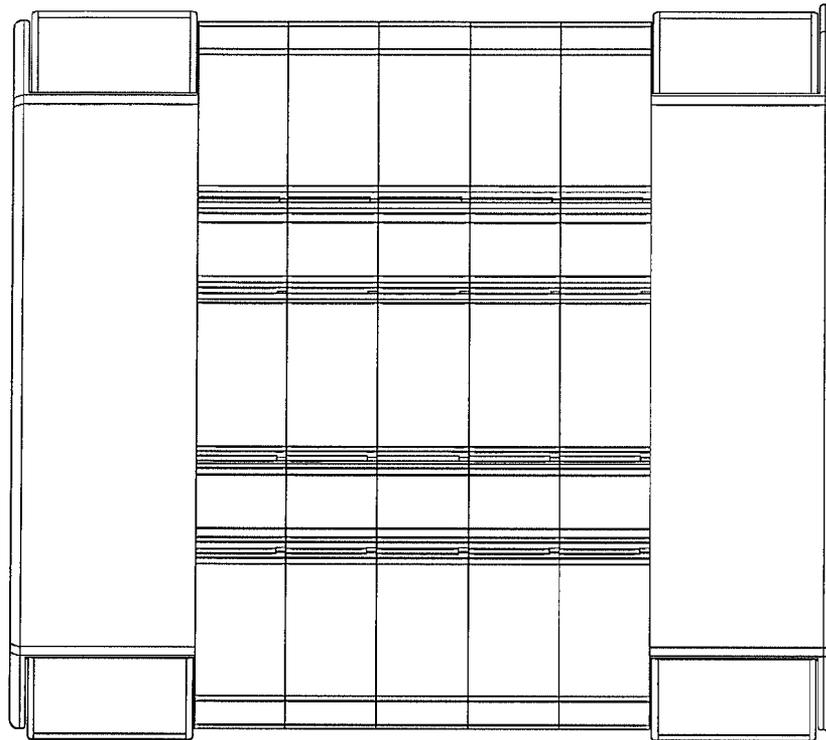


FIG. 2

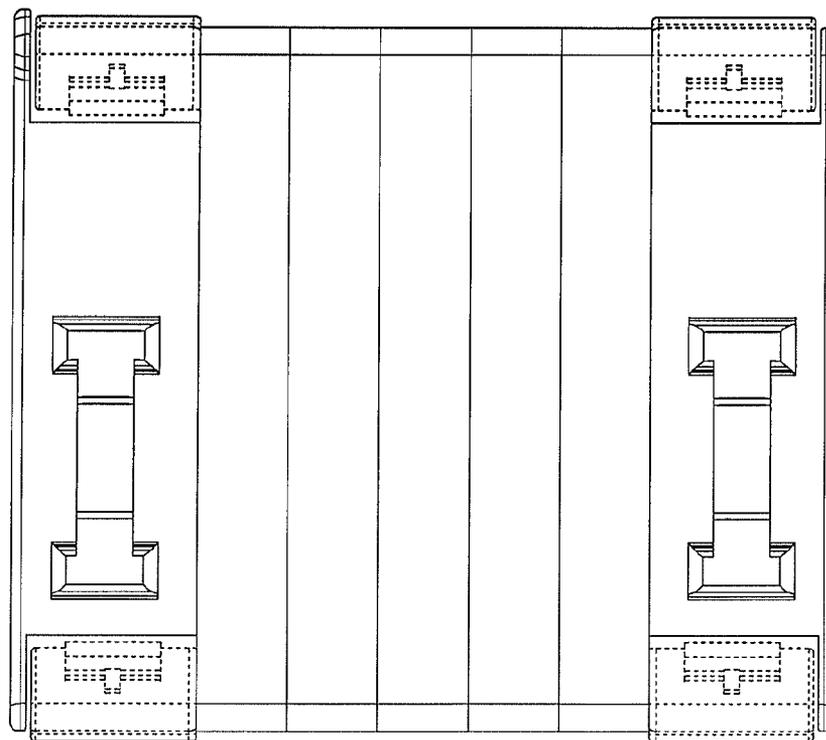


FIG. 3

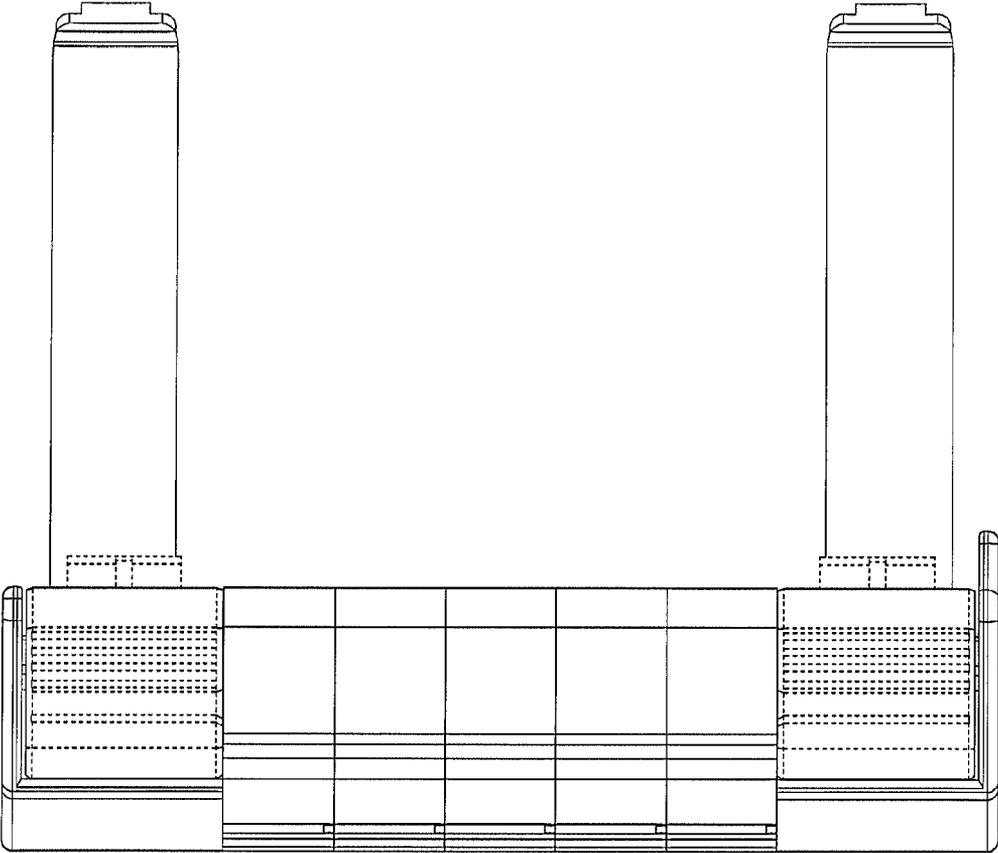


FIG. 4

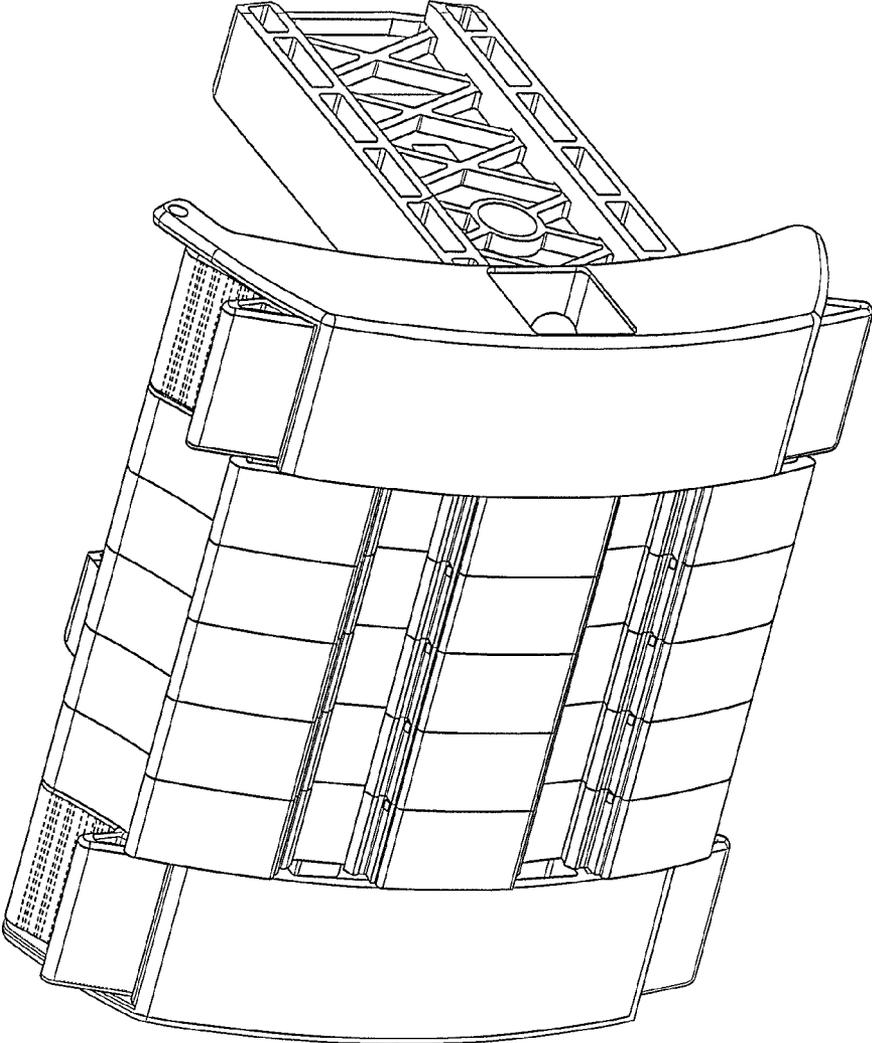


FIG. 5

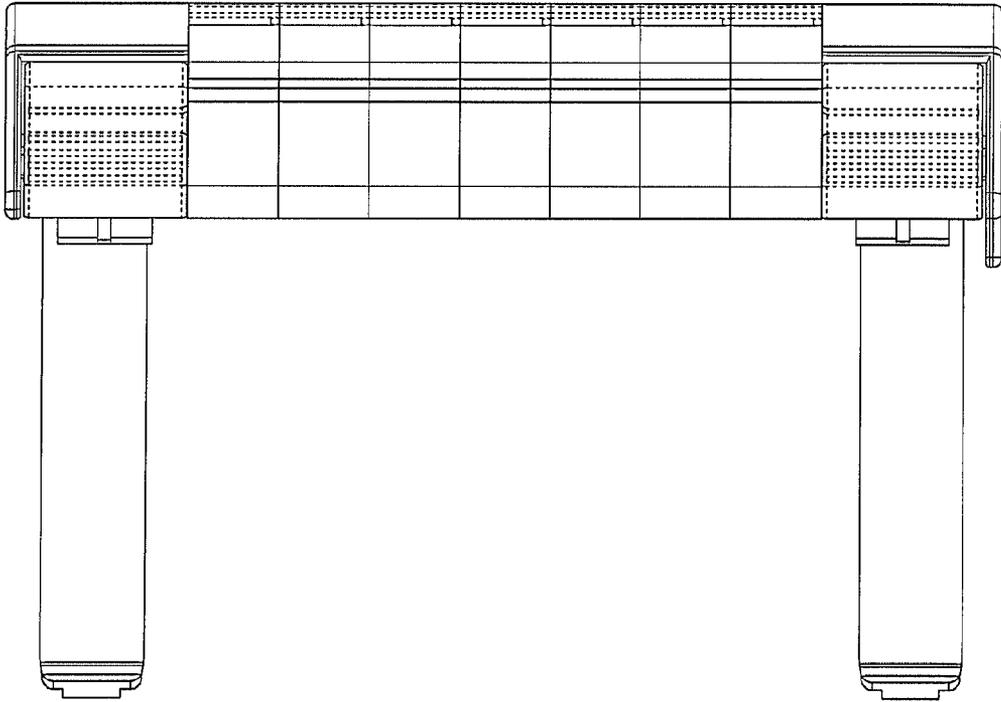


FIG. 6

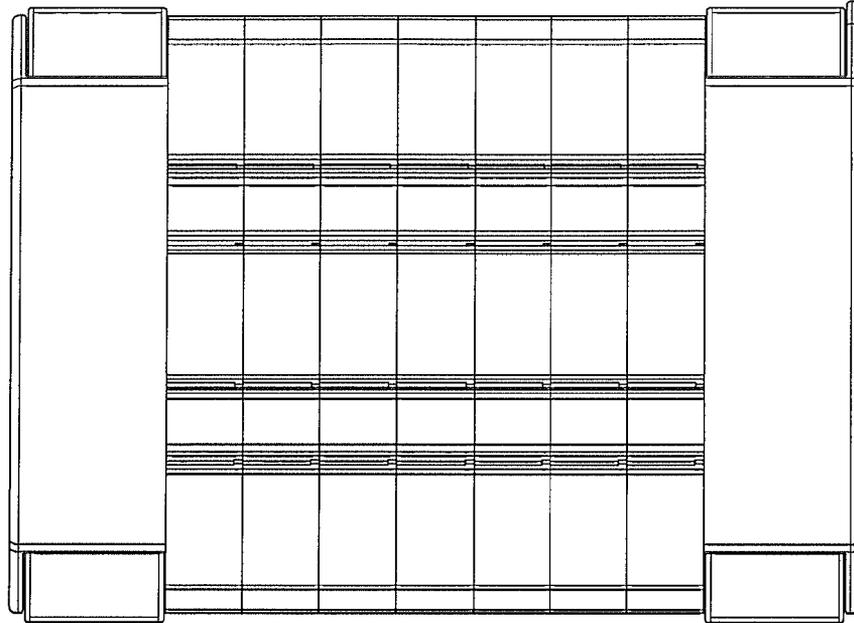


FIG. 7

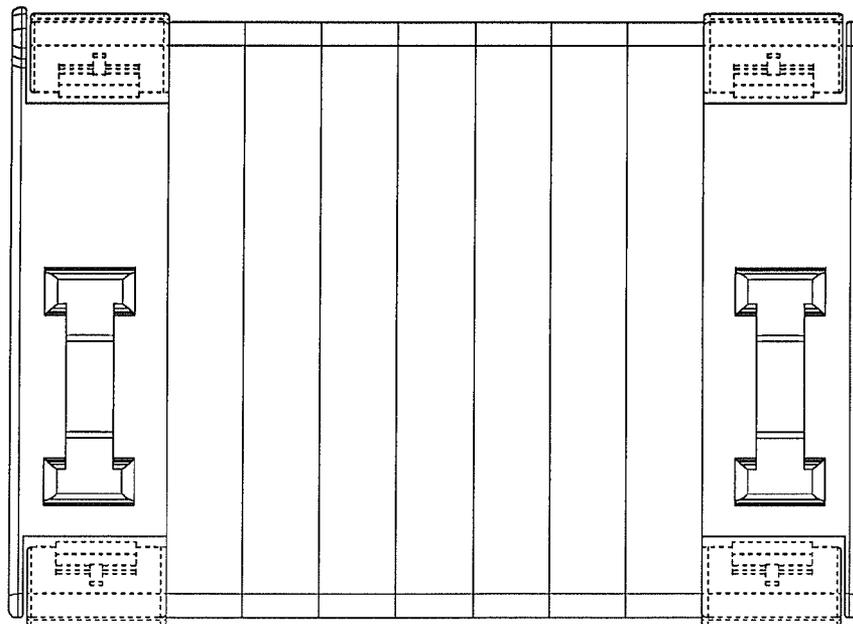


FIG. 8

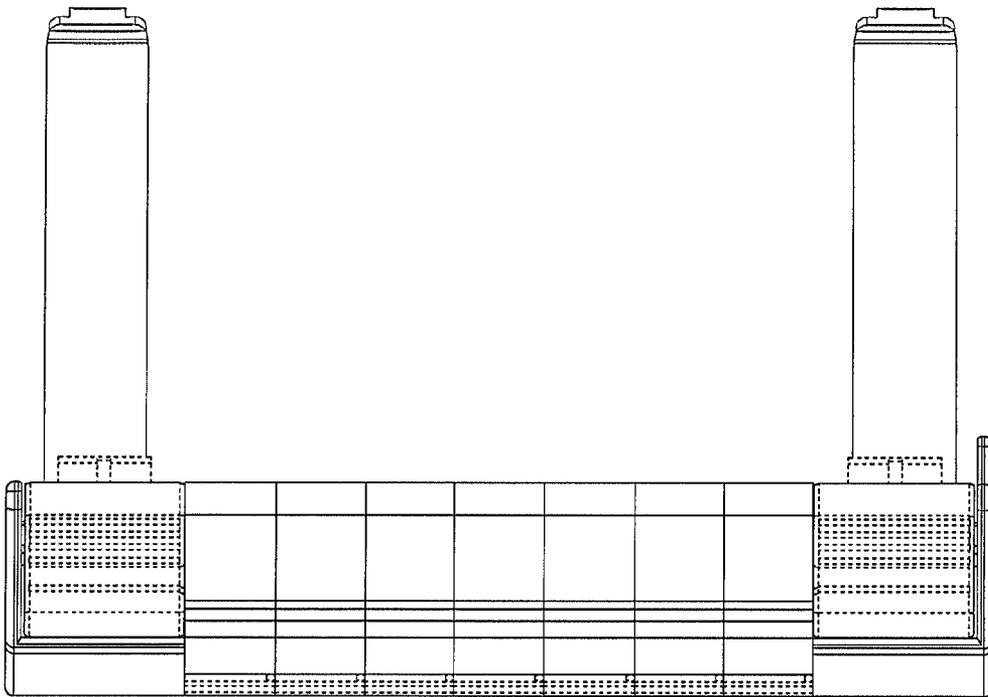


FIG. 9

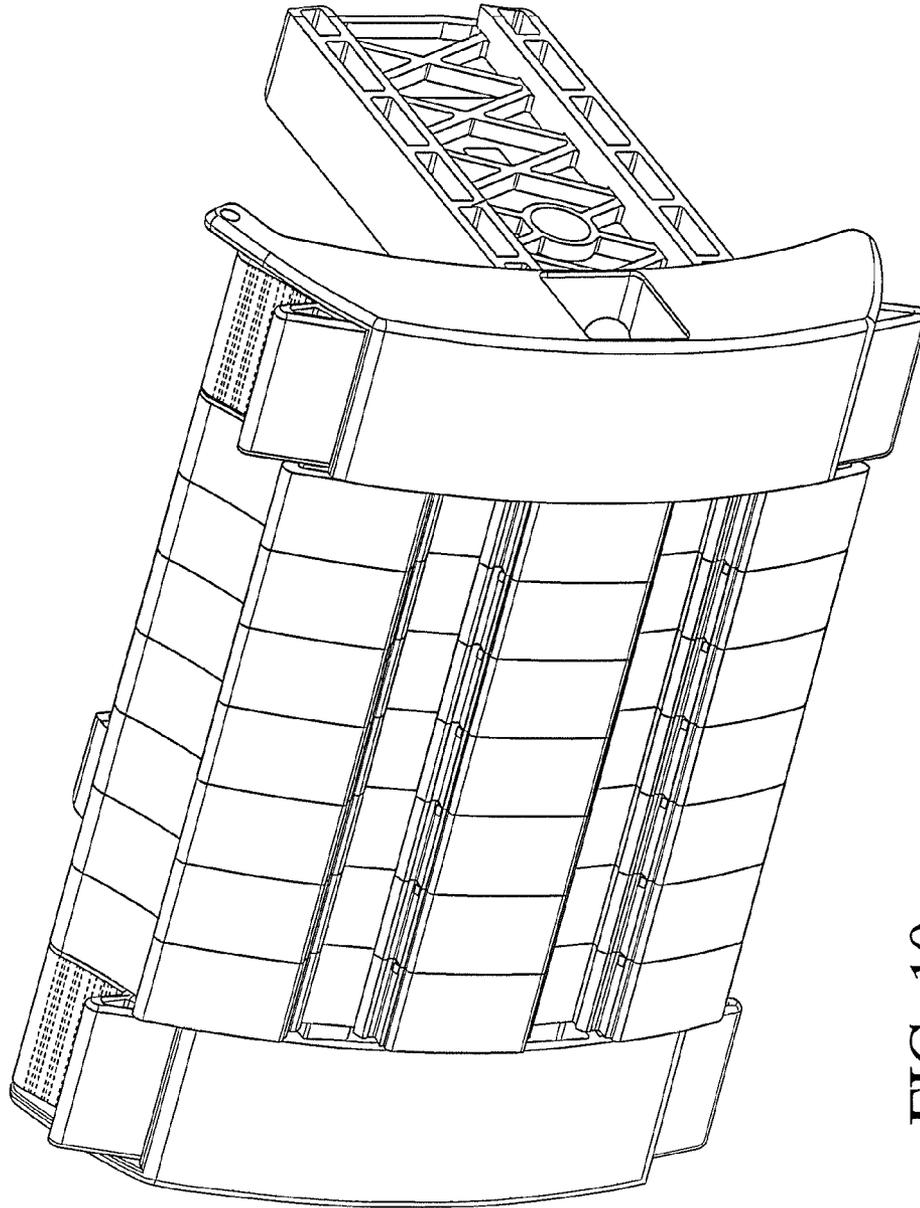


FIG. 10

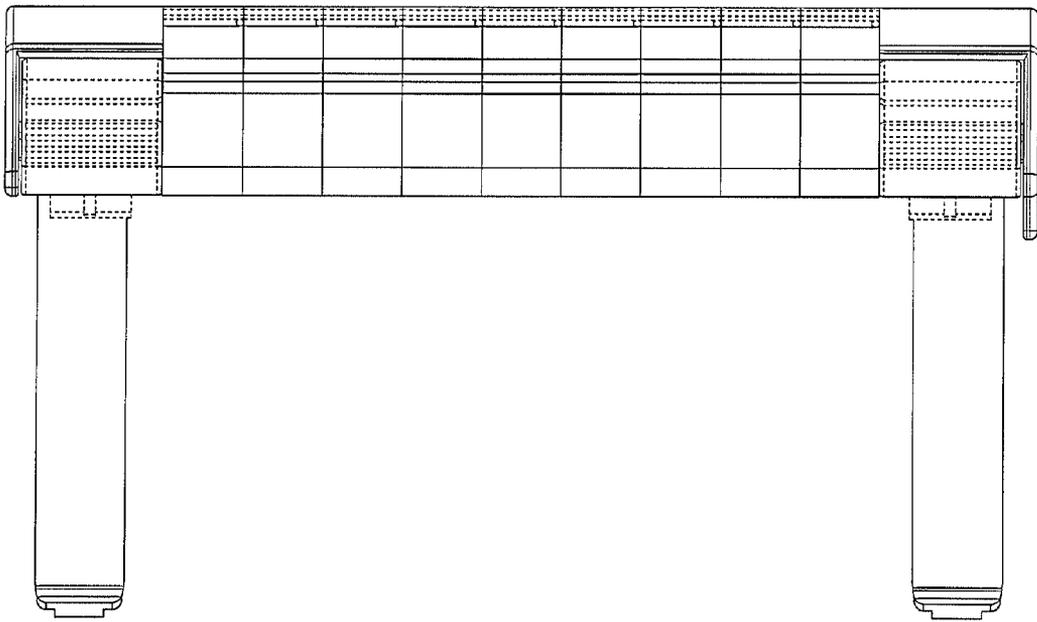


FIG. 11

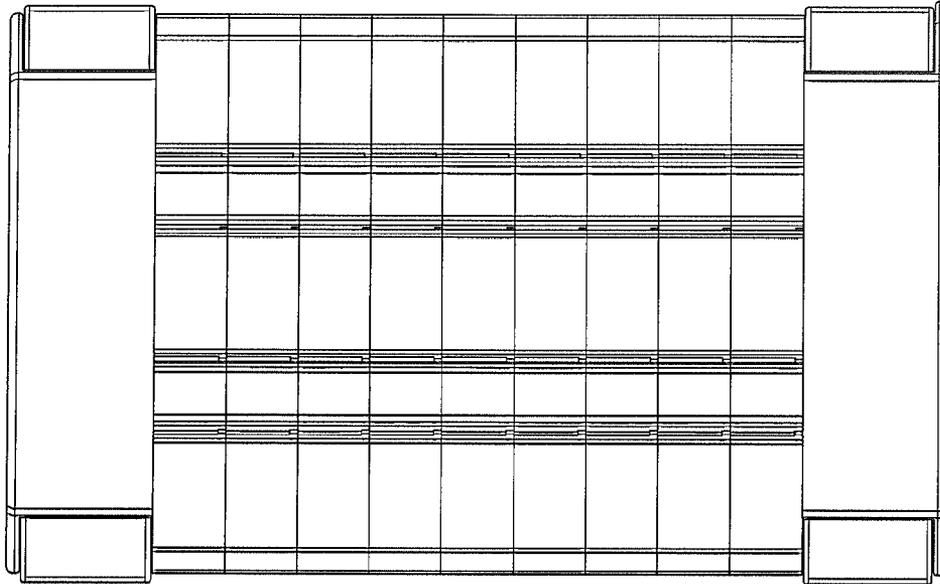


FIG. 12

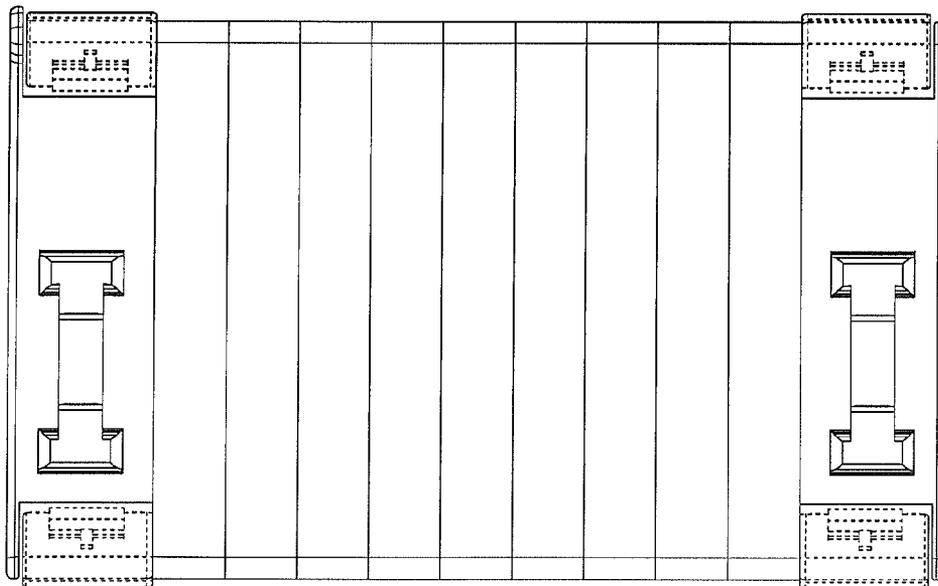


FIG. 13

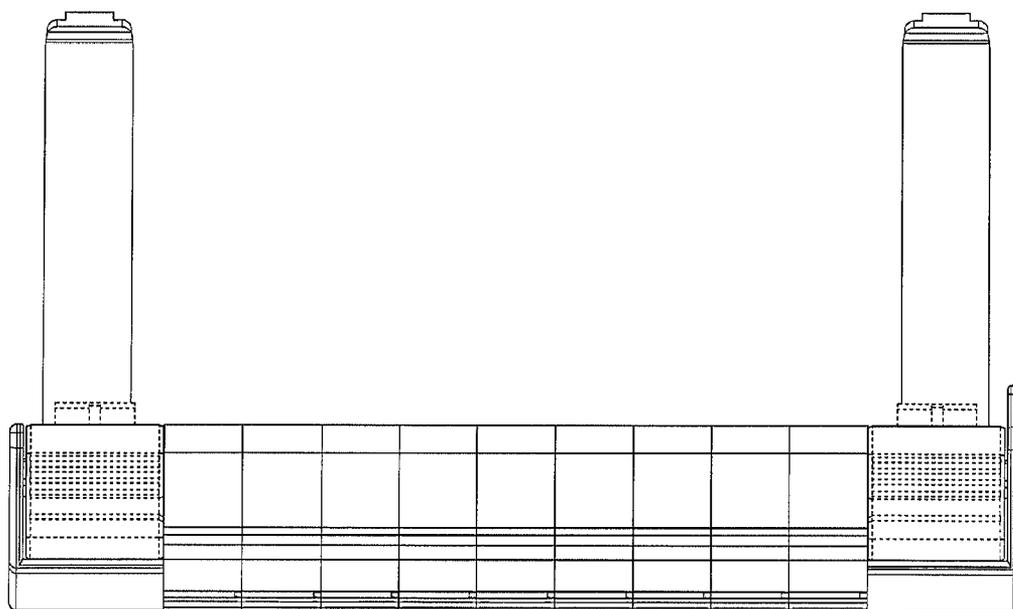


FIG. 14

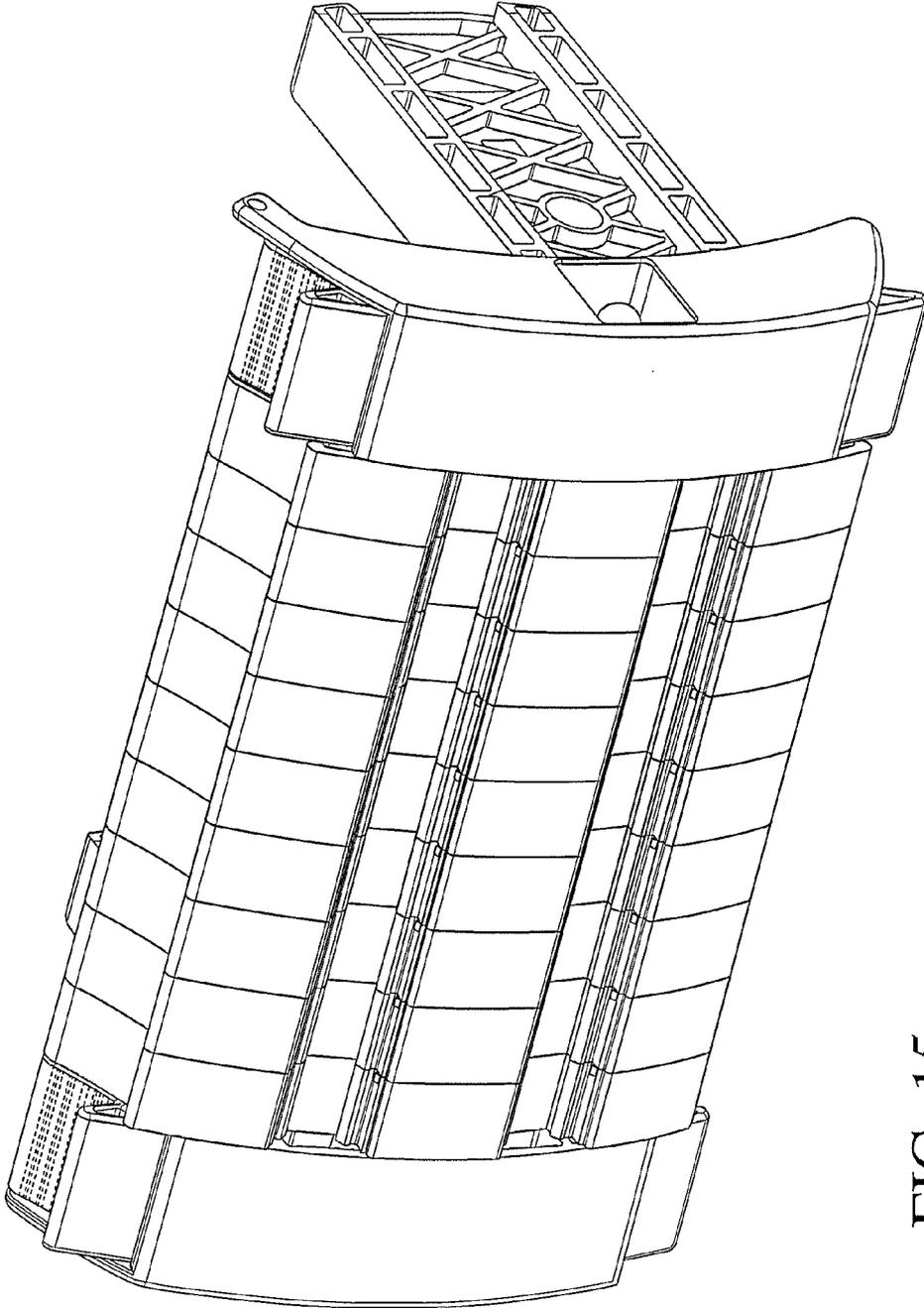


FIG. 15

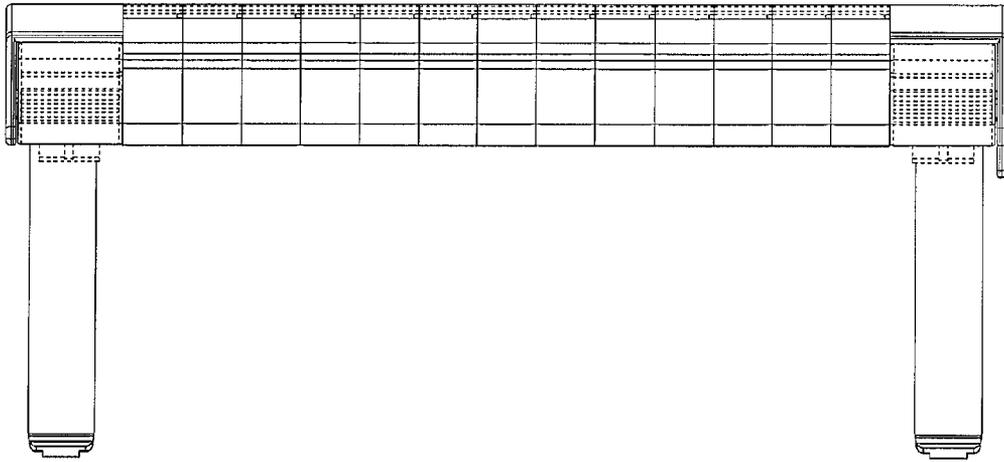


FIG. 16

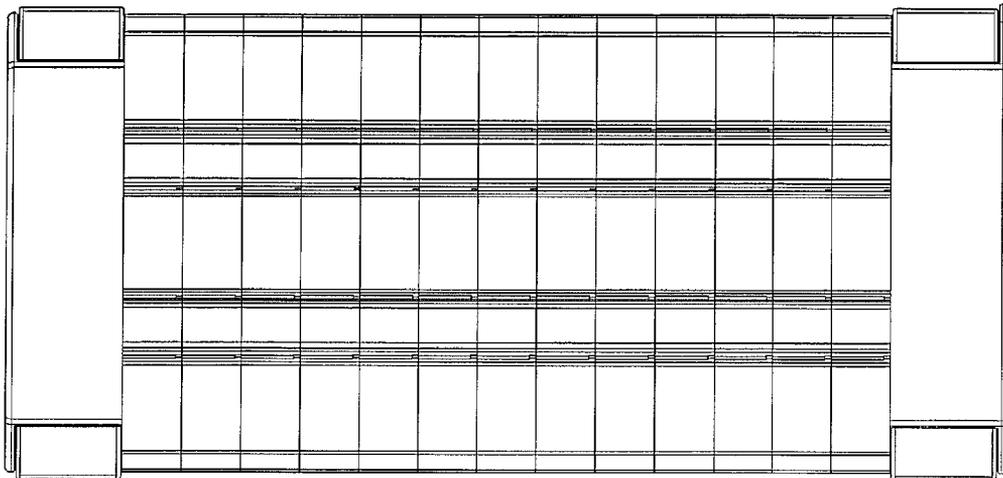


FIG. 17

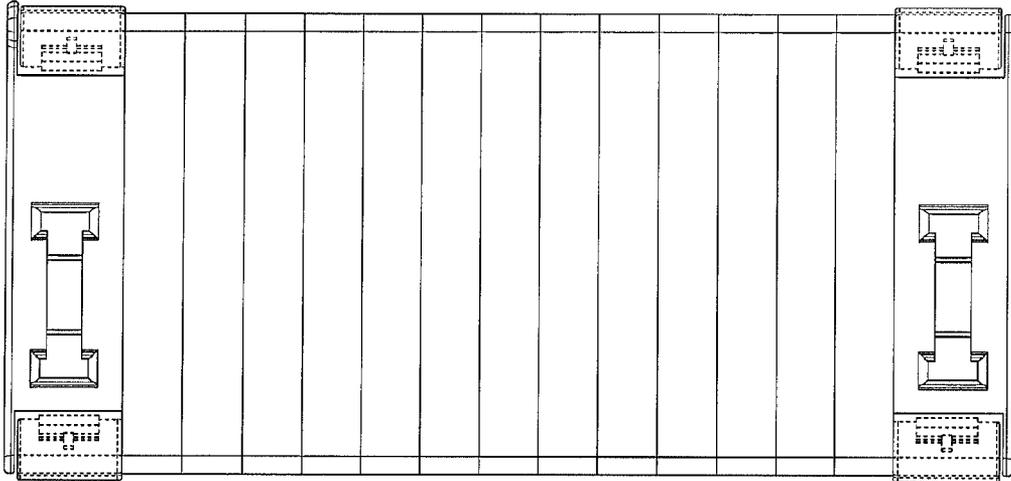


FIG. 18

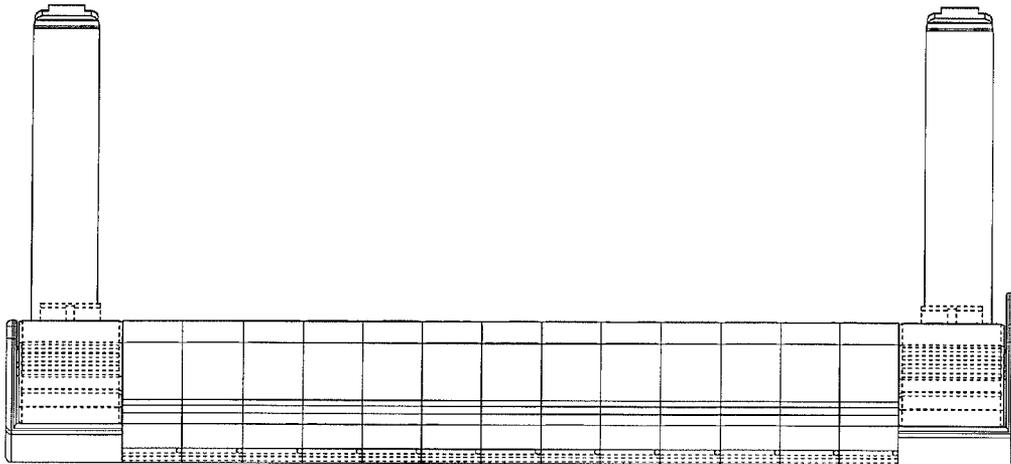


FIG. 19

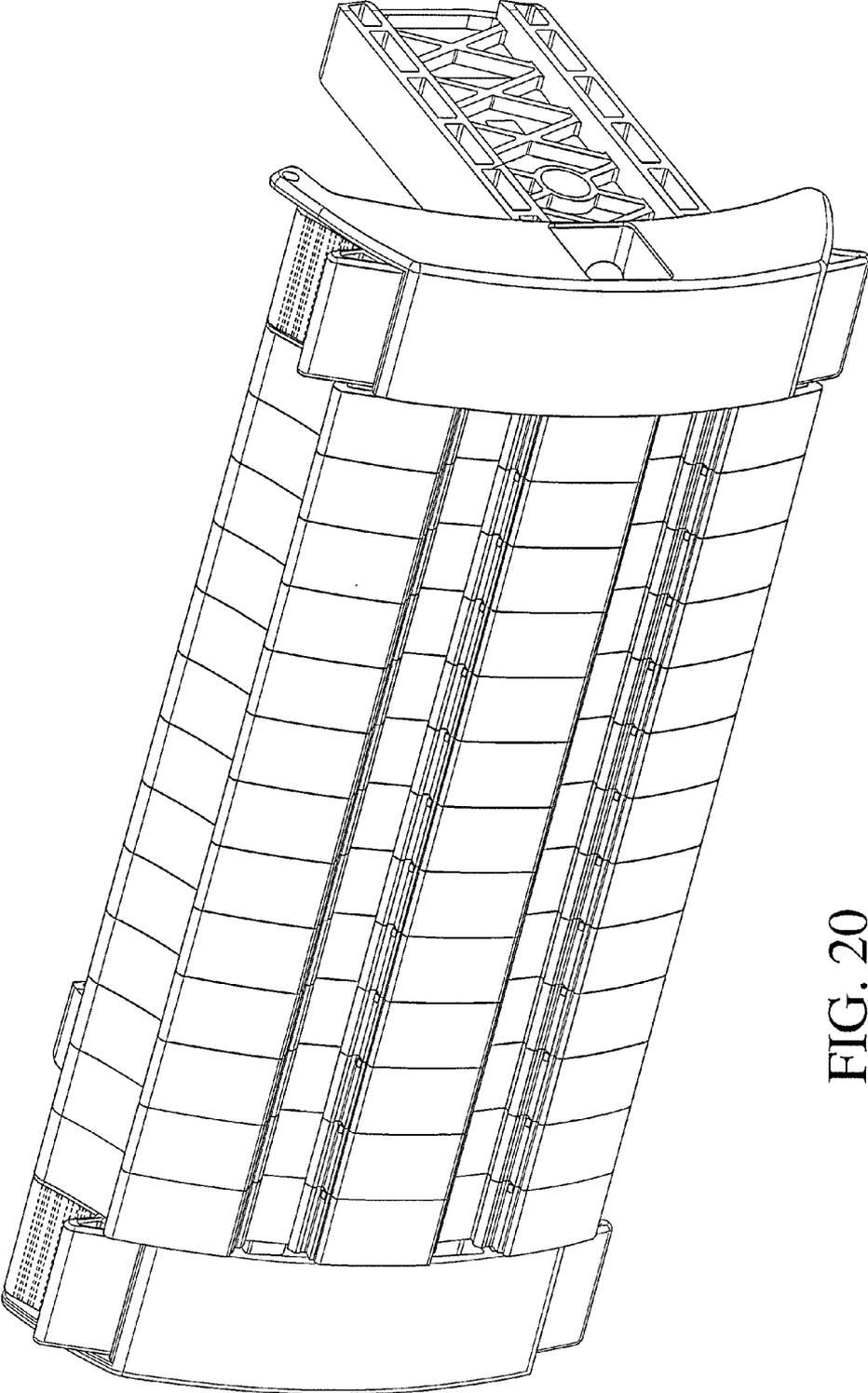


FIG. 20

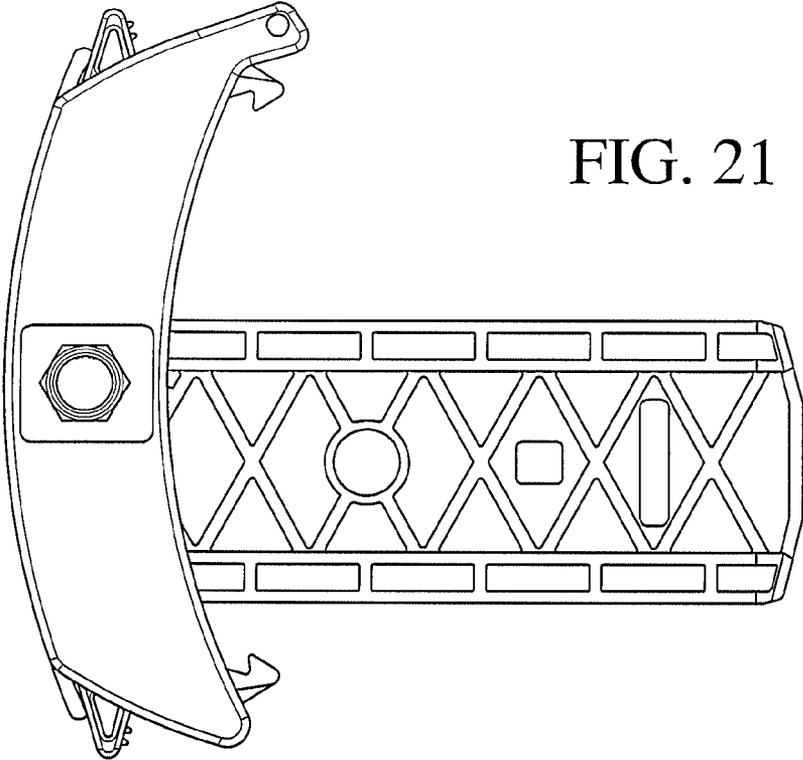


FIG. 21

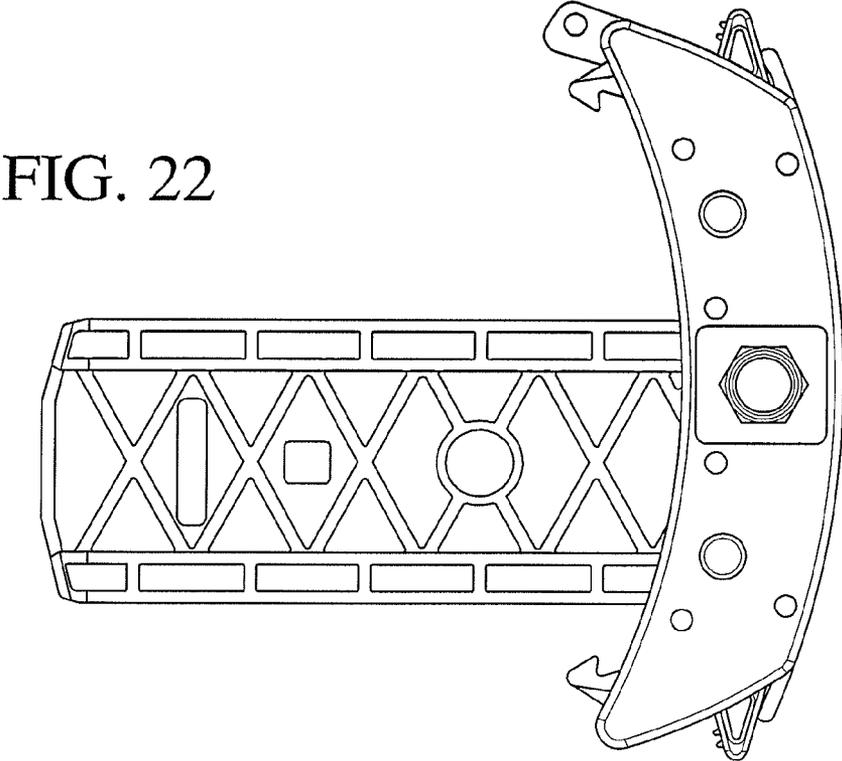


FIG. 22