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(12) **United States Design Patent** (10) **Patent No.:** **US D804,712 S**
Cai et al. (45) **Date of Patent:** **** Dec. 5, 2017**

(54) **LED DISPLAY SCREEN WITH A QUICK INSTALLATION STRUCTURE**

D681,263 S * 4/2013 Van Eekeren D26/122
8,414,149 B2 * 4/2013 Nearman G09F 9/33
362/231
8,573,805 B2 * 11/2013 Leung F21S 2/005
362/249.02

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(Continued)

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FOREIGN PATENT DOCUMENTS

WO 2015192510 A1 12/2015
WO 20151942426 A1 12/2015

(73) Assignee: **ROE VISUAL Co., Ltd.**, Shenzhen, Guangdong (CN)

OTHER PUBLICATIONS

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

“XII Outdoor Rental Screen” Jan. 20, 2015, htldisplay.com, site visited May 18, 2017 <<http://www.htldisplay.com/products/>>.*

(21) Appl. No.: **29/565,654**

Primary Examiner — Kevin K Rudzinski

(22) Filed: **May 23, 2016**

Assistant Examiner — Paul D Bohannon

(51) **LOC (10) Cl.** **26-05**

(74) *Attorney, Agent, or Firm* — Andrew W. Chu; Craft

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

Chu PLLC

USPC **D26/120**

(58) **Field of Classification Search**

(57) **CLAIM**

USPC D26/42, 89, 118, 120, 122, 133, 139;
D20/10

The ornamental design for an LED display screen with a quick installation structure, as shown and described.

CPC G09F 2013/222; G09F 13/22; G09F 13/34;
G09F 9/33; G09F 9/3026; G09F 27/008;

DESCRIPTION

G02B 5/0215; F21Y 2115/10; F21V
11/14; F21V 21/00; F21V 21/34; F21V
29/02; F21S 2/005; F21S 8/043; F21K
9/30; H05K 13/00

FIG. 1 is a front perspective view of the LED display screen with a quick installation structure showing my design.

See application file for complete search history.

FIG. 2 is a front elevation view thereof;

(56) **References Cited**

U.S. PATENT DOCUMENTS

D388,123 S * 12/1997 Sukumoda D20/10
7,355,562 B2 * 4/2008 Schubert G09F 9/33
345/1.3
8,154,864 B1 * 4/2012 Nearman G09F 9/33
165/104.33
8,350,788 B1 * 1/2013 Nearman G09F 9/3026
315/169.3
D681,262 S * 4/2013 Lee D26/122

FIG. 3 is a back elevation view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom view thereof;

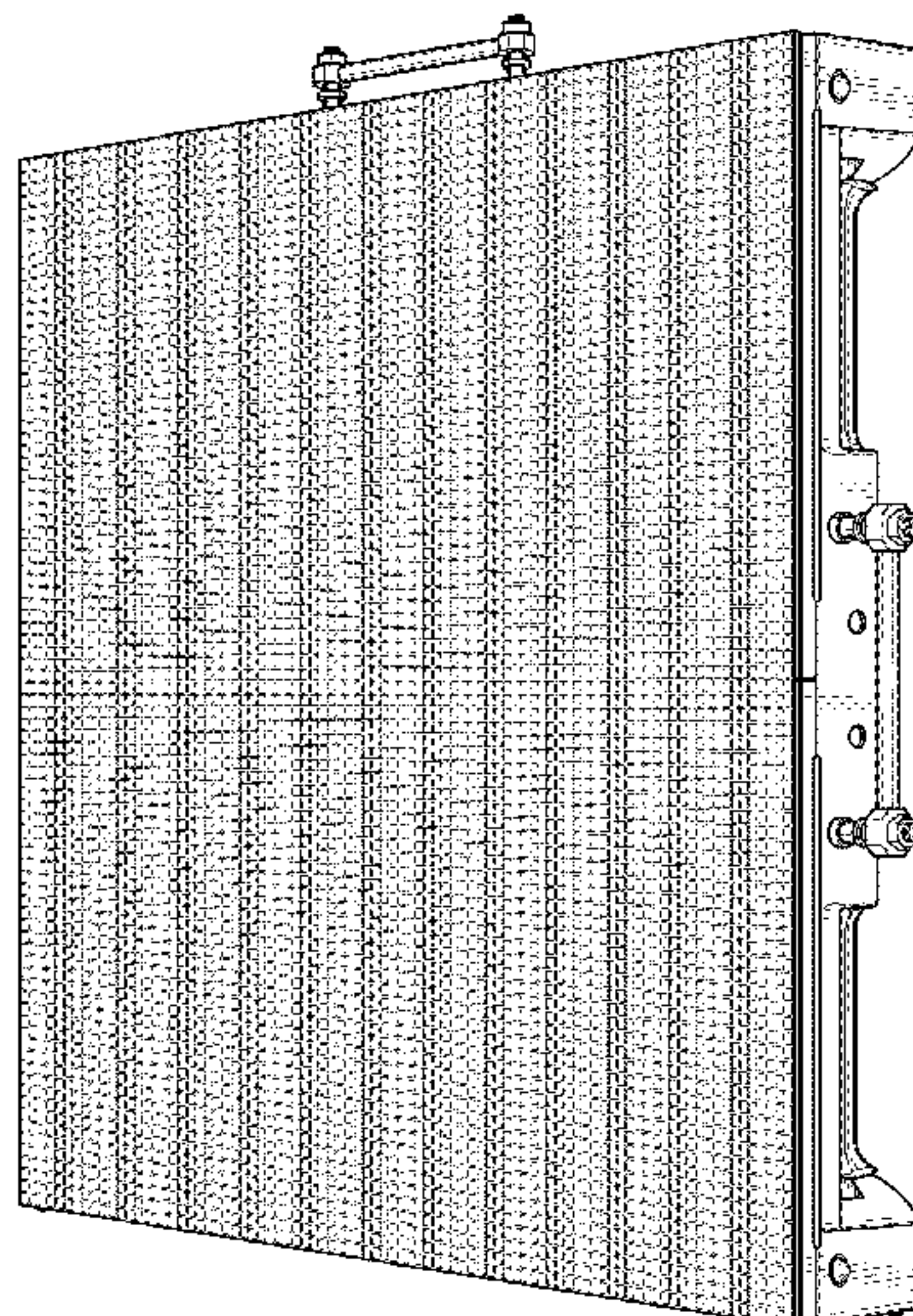
FIG. 6 is a side elevation view thereof;

FIG. 7 is an opposite side elevation view thereof; and,

FIG. 8 is a rear perspective view thereof.

The broken line showing of an LED display screen with a quick installation structure is included for the purpose of illustrating portions of the article that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,151,454	B1 *	10/2015	Lindblad	F21K 9/30
9,172,929	B2 *	10/2015	Mutschelknaus	G09F 27/008
9,247,683	B2 *	1/2016	Davis	H05K 13/00
D750,173	S *	2/2016	Chen	D20/10
9,607,533	B1 *	3/2017	Qi	G09F 13/34
9,644,823	B2 *	5/2017	Hemiller	F21V 21/34
2008/0078733	A1 *	4/2008	Nearman	G09F 9/33 211/189
2008/0316153	A1	12/2008	Yuen et al.	
2009/0128914	A1 *	5/2009	Lee	G02B 5/0215 359/599
2012/0062540	A1	3/2012	Quadri et al.	
2013/0051020	A1 *	2/2013	Yasuoka	F21V 21/00 362/249.02
2014/0160363	A1 *	6/2014	Mutschelknaus	G09F 27/008 348/799
2014/0160765	A1 *	6/2014	Sato	F21V 11/14 362/307
2015/0146404	A1 *	5/2015	Yellin	F21V 29/02 362/11
2015/0153028	A1 *	6/2015	Sokolov	F21S 8/043 362/375

* cited by examiner

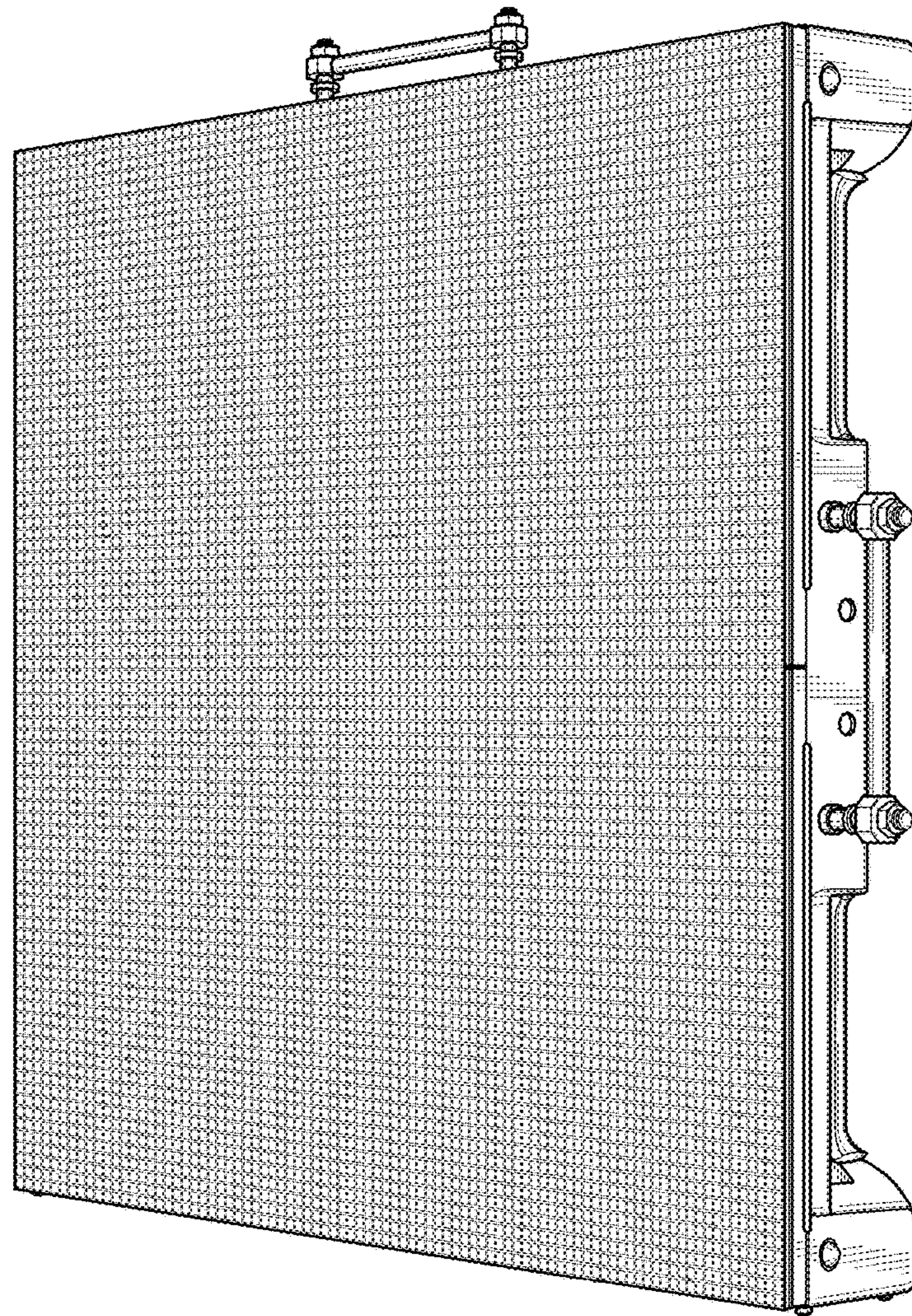


FIG. 1

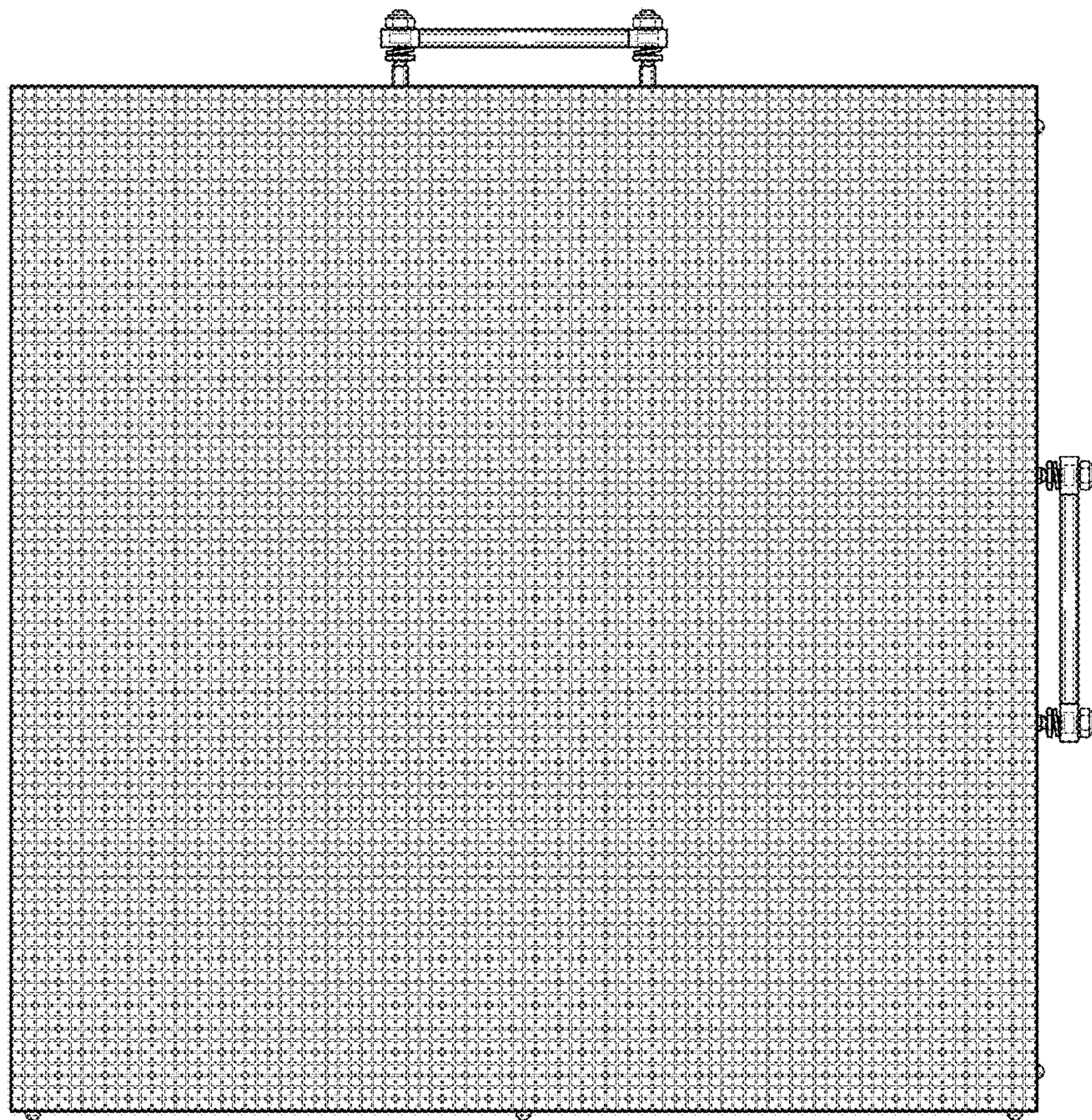


FIG. 2

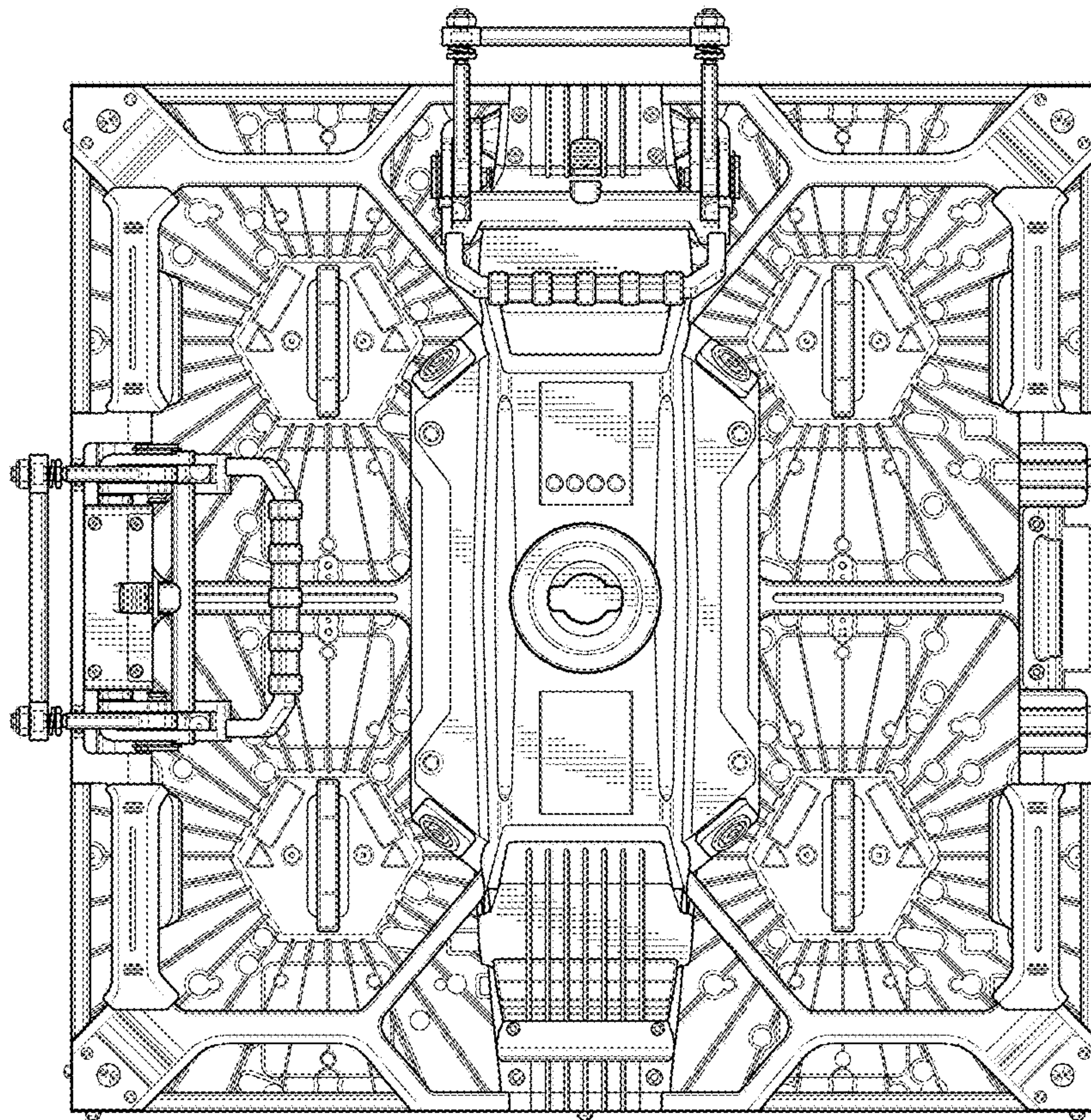


FIG. 3

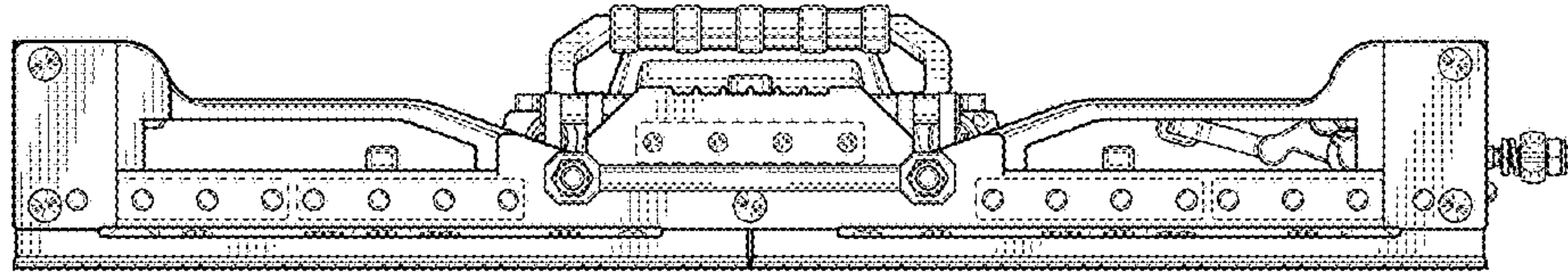


FIG. 4

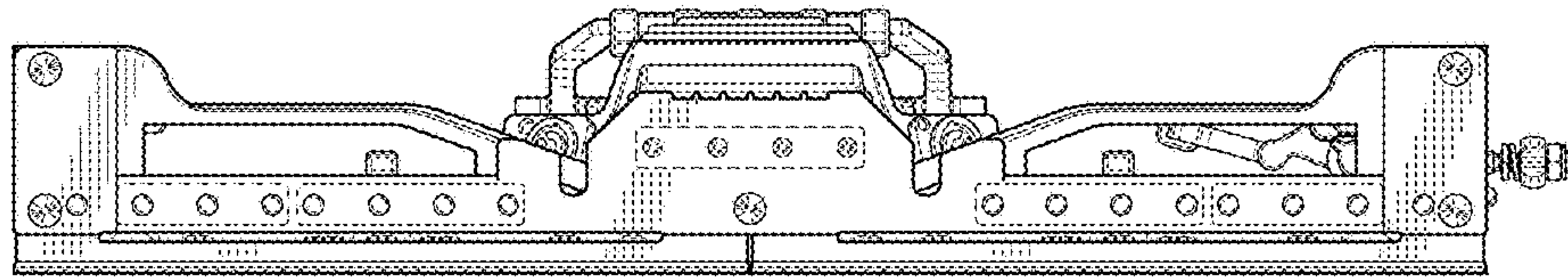


FIG. 5

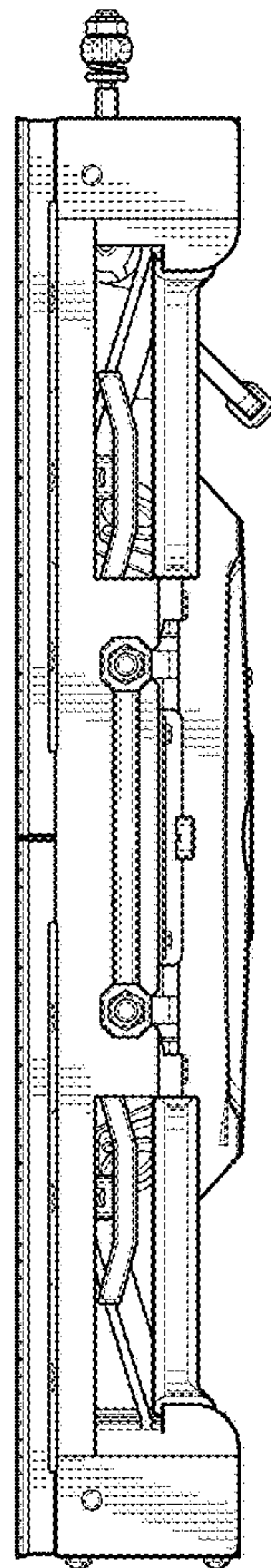


FIG. 6

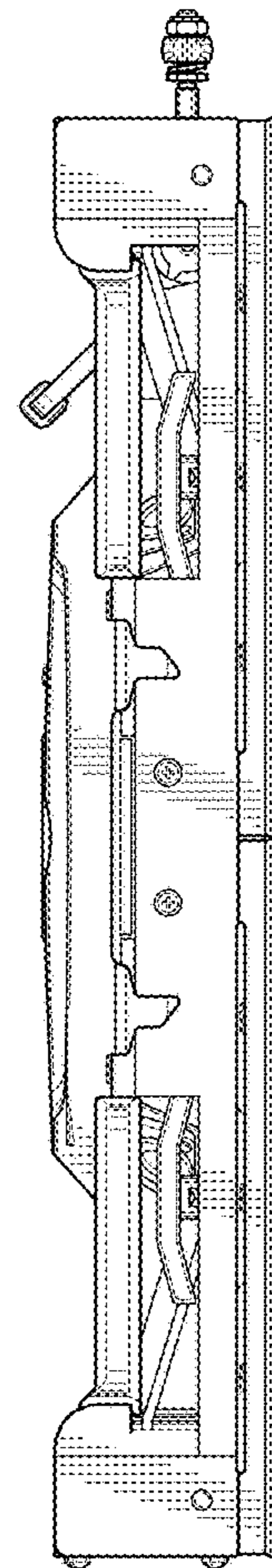


FIG. 7

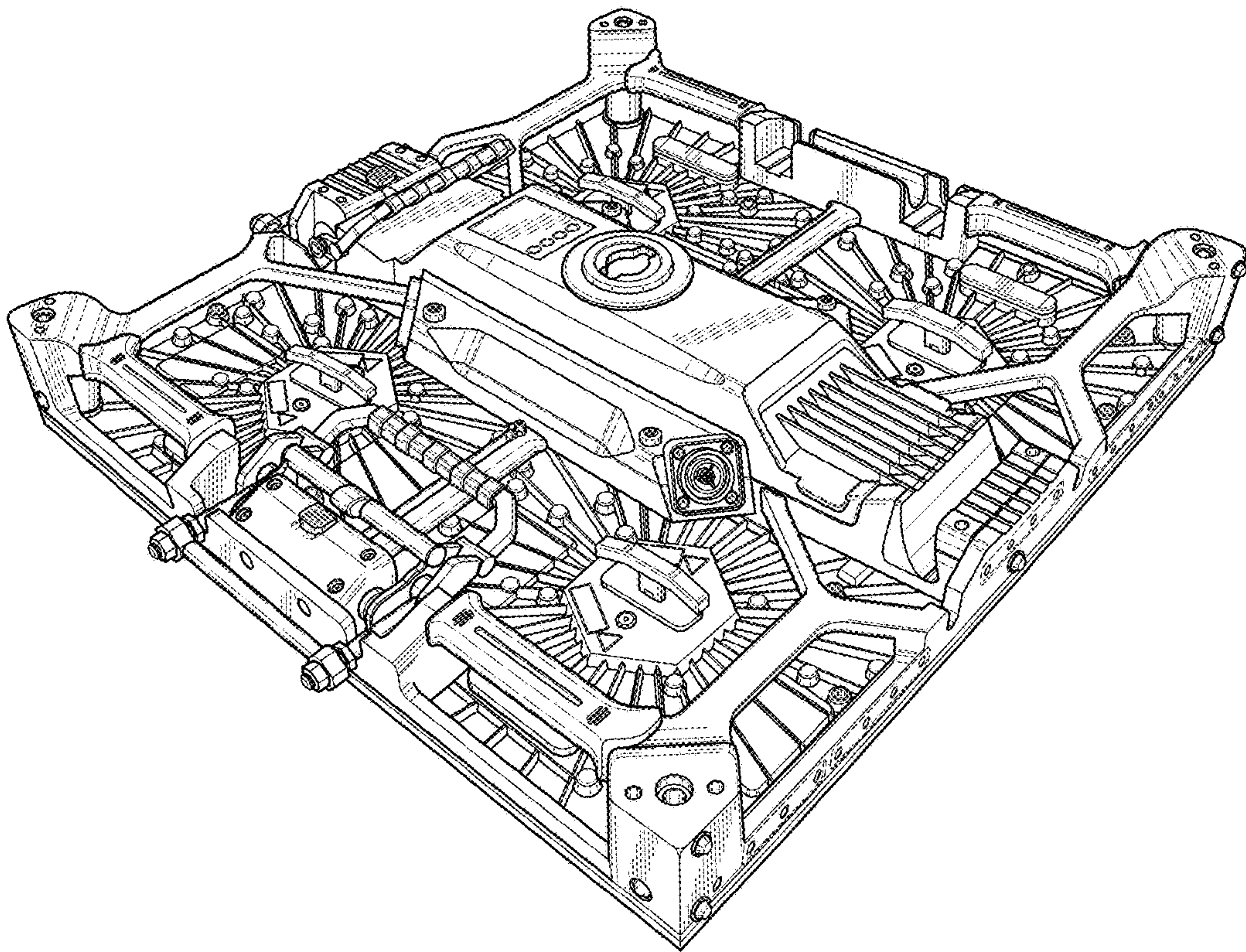


FIG. 8