



US00D873225S

(12) **United States Design Patent** (10) **Patent No.:** **US D873,225 S**  
**van Dijke et al.** (45) **Date of Patent:** **\*\* Jan. 21, 2020**

(54) **HEATSINK**  
(71) Applicant: **OMRON Corporation**, Kyoto-shi,  
Kyoto (JP)  
(72) Inventors: **Casper van Dijke**, Den Bosch (NL);  
**Stan Vriezenga**, Nimegen (NL)  
(73) Assignee: **OMRON Corporation**, Kyoto (JP)

D496,939 S \* 10/2004 David ..... D14/439  
D508,047 S \* 8/2005 Taniho ..... D14/314  
D606,017 S \* 12/2009 Charlson ..... D13/110  
8,605,434 B2 \* 12/2013 Chao ..... G06F 1/182  
361/690  
D727,920 S \* 4/2015 Togawa ..... D14/441  
D794,628 S \* 8/2017 Van Dijke ..... D14/300  
D807,872 S \* 1/2018 Nomoto ..... D14/314  
D808,381 S \* 1/2018 Van Dijke ..... D14/313  
9,927,848 B2 \* 3/2018 Van Dijke ..... H05K 5/0204

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/650,237**  
(22) Filed: **Jun. 5, 2018**

**FOREIGN PATENT DOCUMENTS**

DE 202016101176 U1 7/2016

(30) **Foreign Application Priority Data**

Dec. 6, 2017 (EM) ..... 004537843

(51) **LOC (12) Cl.** ..... **13-03**  
(52) **U.S. Cl.**  
USPC ..... **D13/179**; D14/441

(58) **Field of Classification Search**  
USPC ..... D13/179, 182; D15/199; D26/138, 141,  
D26/152, 142; D14/439, 441, 314, 448  
CPC ..... H01L 23/473; H01L 23/46; H01L 23/467;  
H01L 23/4006; H01L 23/4093; H01L  
23/3672; H01L 23/367; H01L 23/36;  
H04R 9/022; H05K 5/0204  
See application file for complete search history.

**OTHER PUBLICATIONS**

OMRON, "Industrial PC Platform> NYB", Accessed Oct. 9, 2019.  
(<http://www.omron-ap.co.nz/products/family/3631/dimension.html>) (Year: 2019).\*

\* cited by examiner

*Primary Examiner* — April Rivas

(74) *Attorney, Agent, or Firm* — Capitol City TechLaw

(57) **CLAIM**

The ornamental design for a heatsink, as shown.

**DESCRIPTION**

FIG. 1 is a front, top, and left side perspective view of a heatsink showing our new design;  
FIG. 2 is a rear, bottom, and left side perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a top view thereof; and,  
FIG. 8 is a bottom view thereof.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D375,725 S \* 11/1996 Dodson ..... D13/179  
D398,589 S \* 9/1998 Dodson ..... D13/179  
D403,666 S \* 1/1999 Maack ..... D13/179  
D407,714 S \* 4/1999 Yeh ..... D14/439  
D428,892 S \* 8/2000 Haimson ..... D14/441  
D449,587 S \* 10/2001 Cronin ..... D13/179  
D483,019 S \* 12/2003 Cook ..... D13/179  
D490,785 S \* 6/2004 Boylan ..... D13/182

**1 Claim, 6 Drawing Sheets**

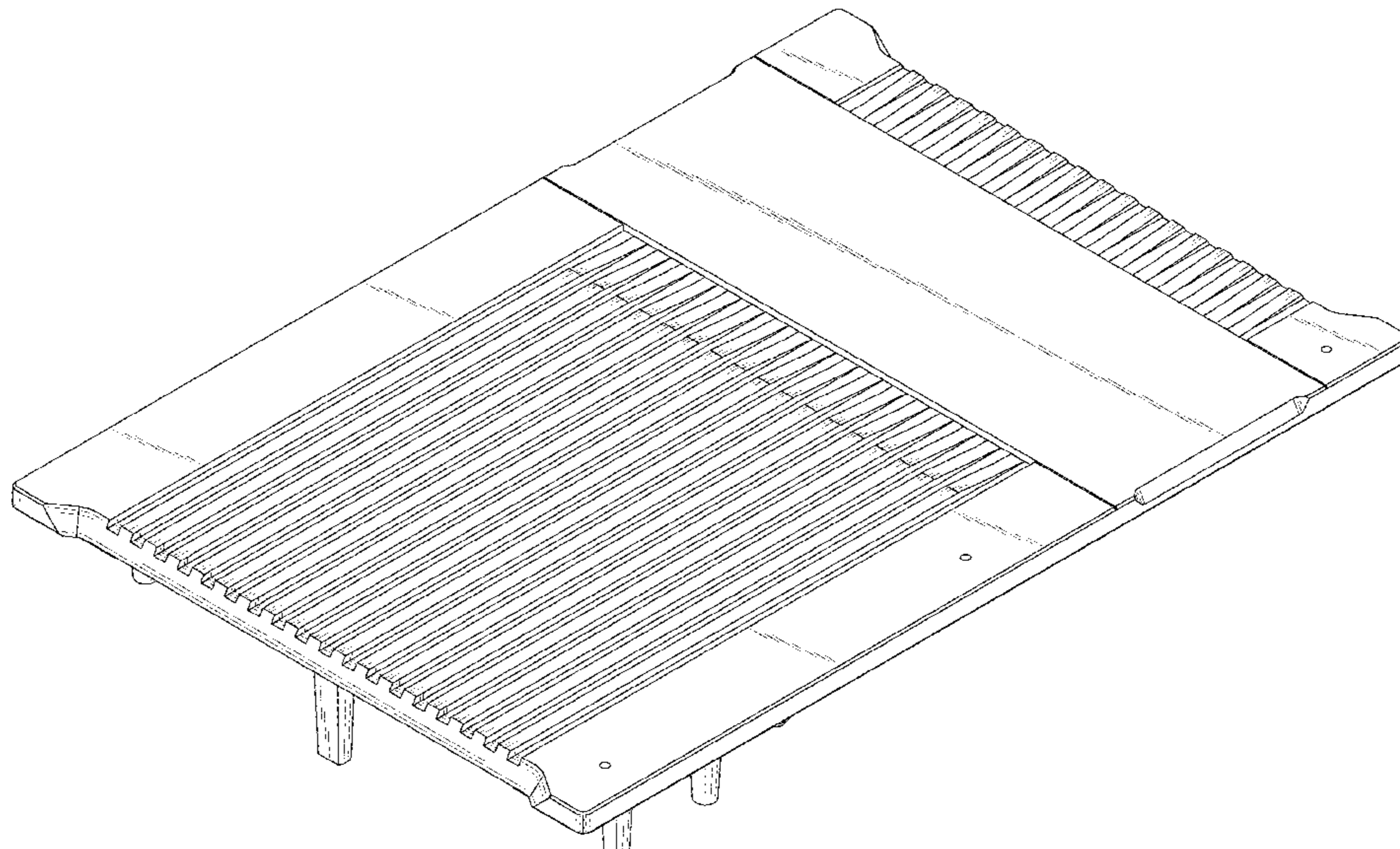
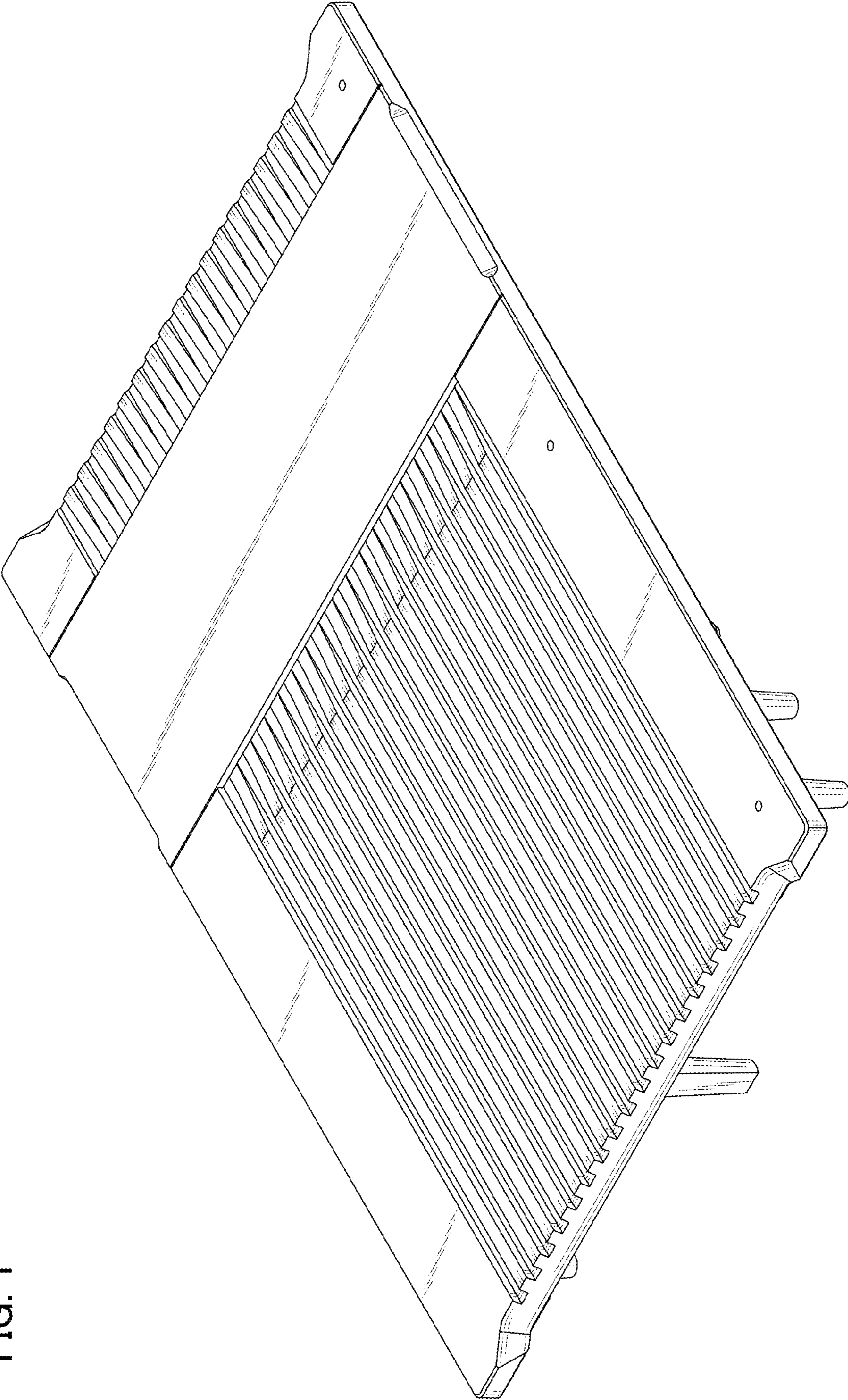


FIG. 1





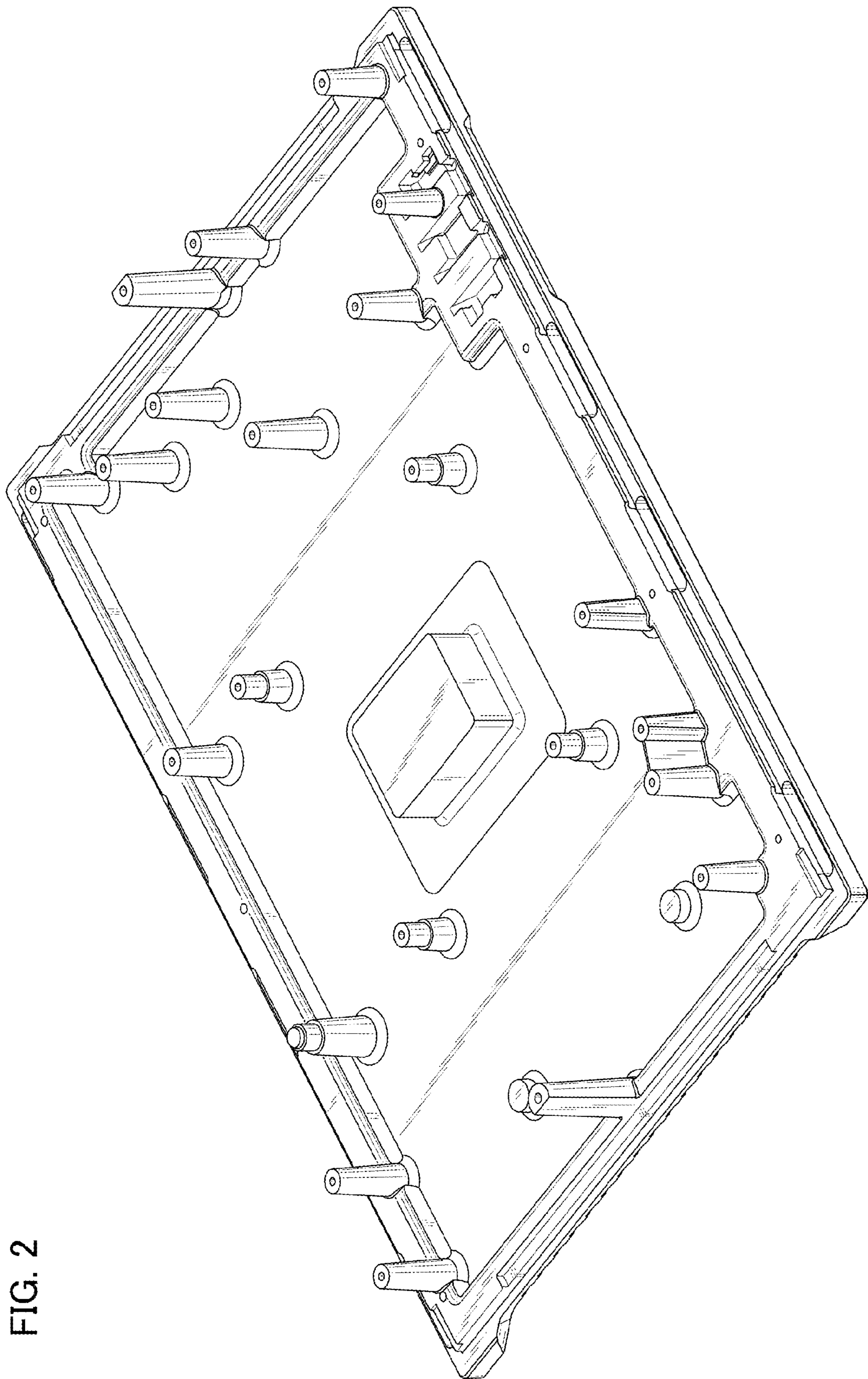


FIG. 2

FIG. 3

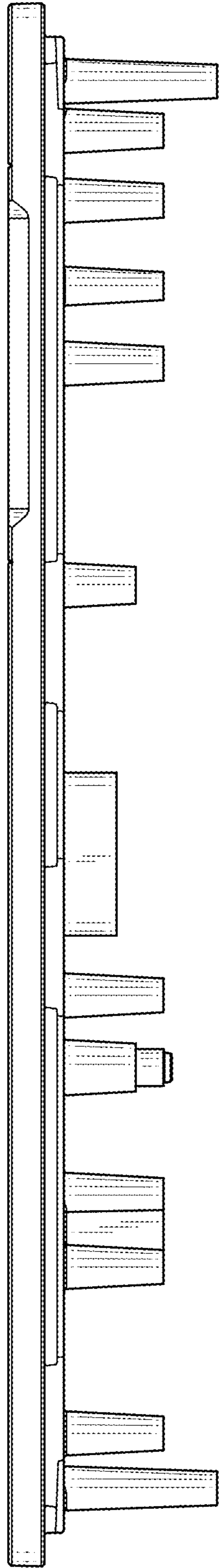


FIG. 4

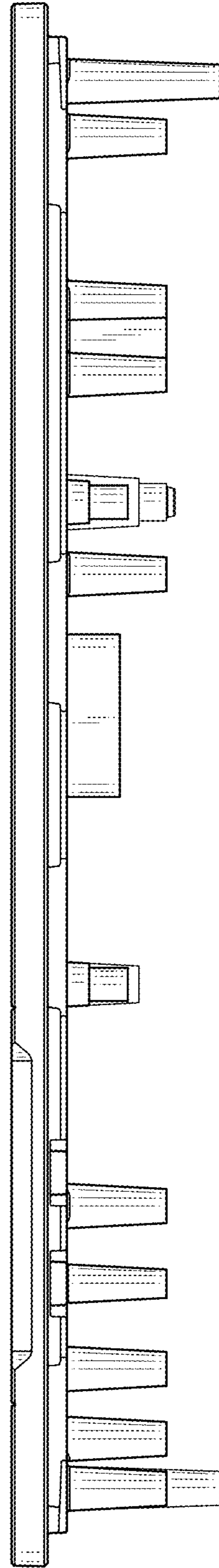


FIG. 5

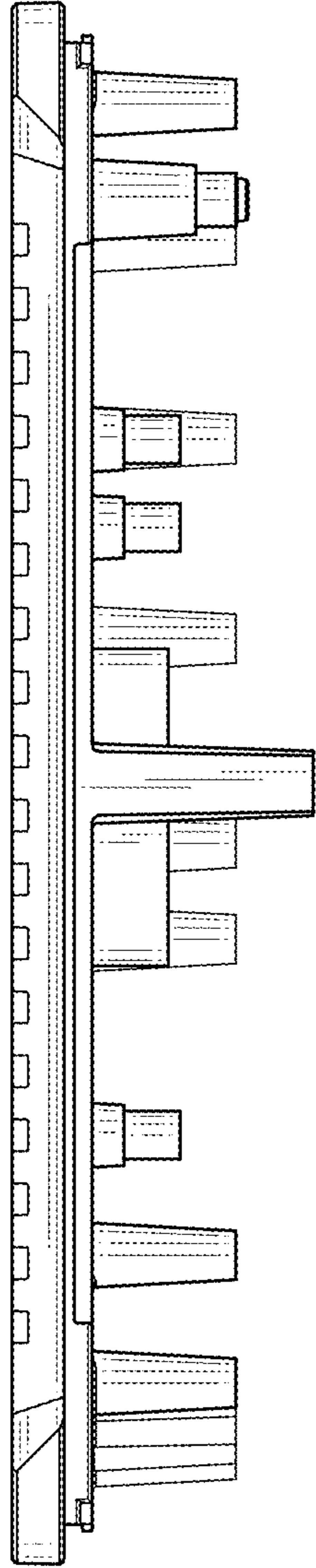
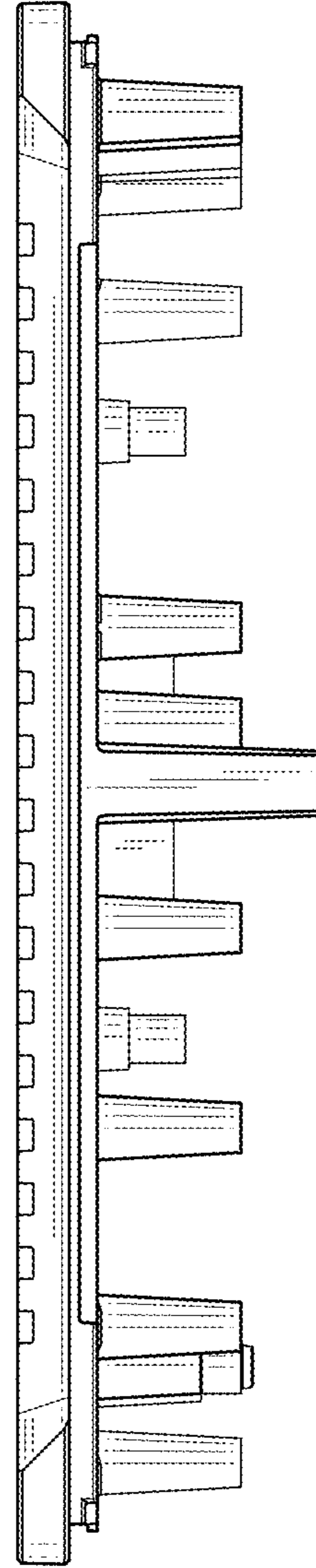


FIG. 6



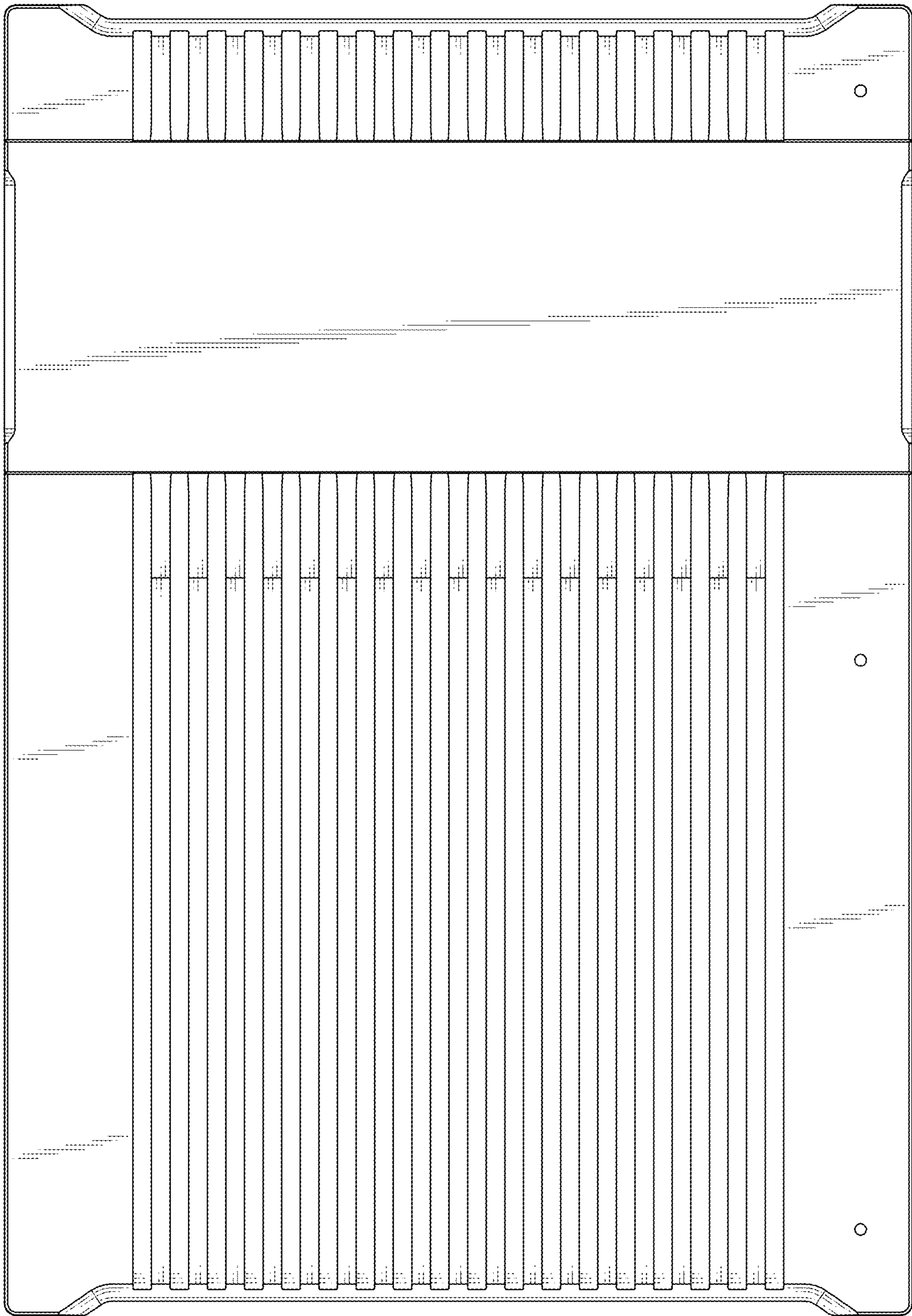


FIG. 7



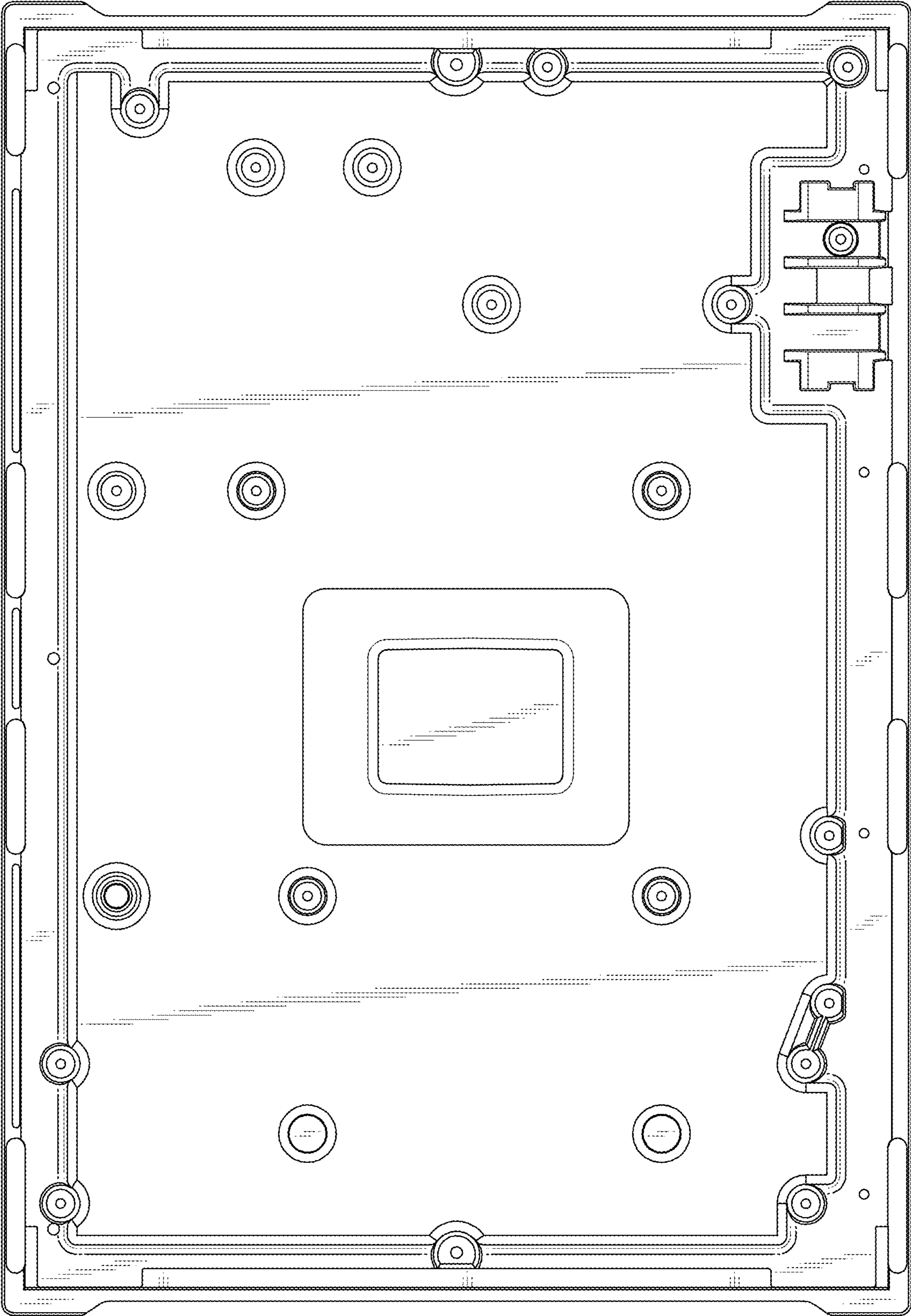


FIG. 8