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(12) **United States Design Patent** (10) **Patent No.:** **US D934,852 S**  
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(54) **DATA PROCESSING DEVICE FOR AN INDUSTRIAL COMPUTER**

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

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**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

Mar. 14, 2017 (CN) ..... 201730073307.9

(51) **LOC (13) Cl.** ..... **14-02**

(52) **U.S. Cl.**  
USPC ..... **D14/301**

(58) **Field of Classification Search**  
USPC ..... D14/300-301, 308, 311-314, 334-337, D14/348, 353-355, 364-368, 371,  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,251,106 A \* 10/1993 Hui ..... H05K 5/0021  
206/508  
5,267,122 A \* 11/1993 Glover ..... G02B 6/3897  
174/50.51

(Continued)

**FOREIGN PATENT DOCUMENTS**

DE 102016118598 A1 \* 4/2018 ..... G06F 1/20  
EP 2592525 A2 \* 5/2013 ..... H04N 5/64

**OTHER PUBLICATIONS**

Yigibyeong, Nyutek e, KR design No. 300534168, published at Orbit, publication date Jul. 17, 2009. Site visited Nov. 7, 2020. Available from Internet. (Year: 2009).\*

(Continued)

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(57) **CLAIM**

The ornamental design for a data processing device for an industrial computer, as shown and described.

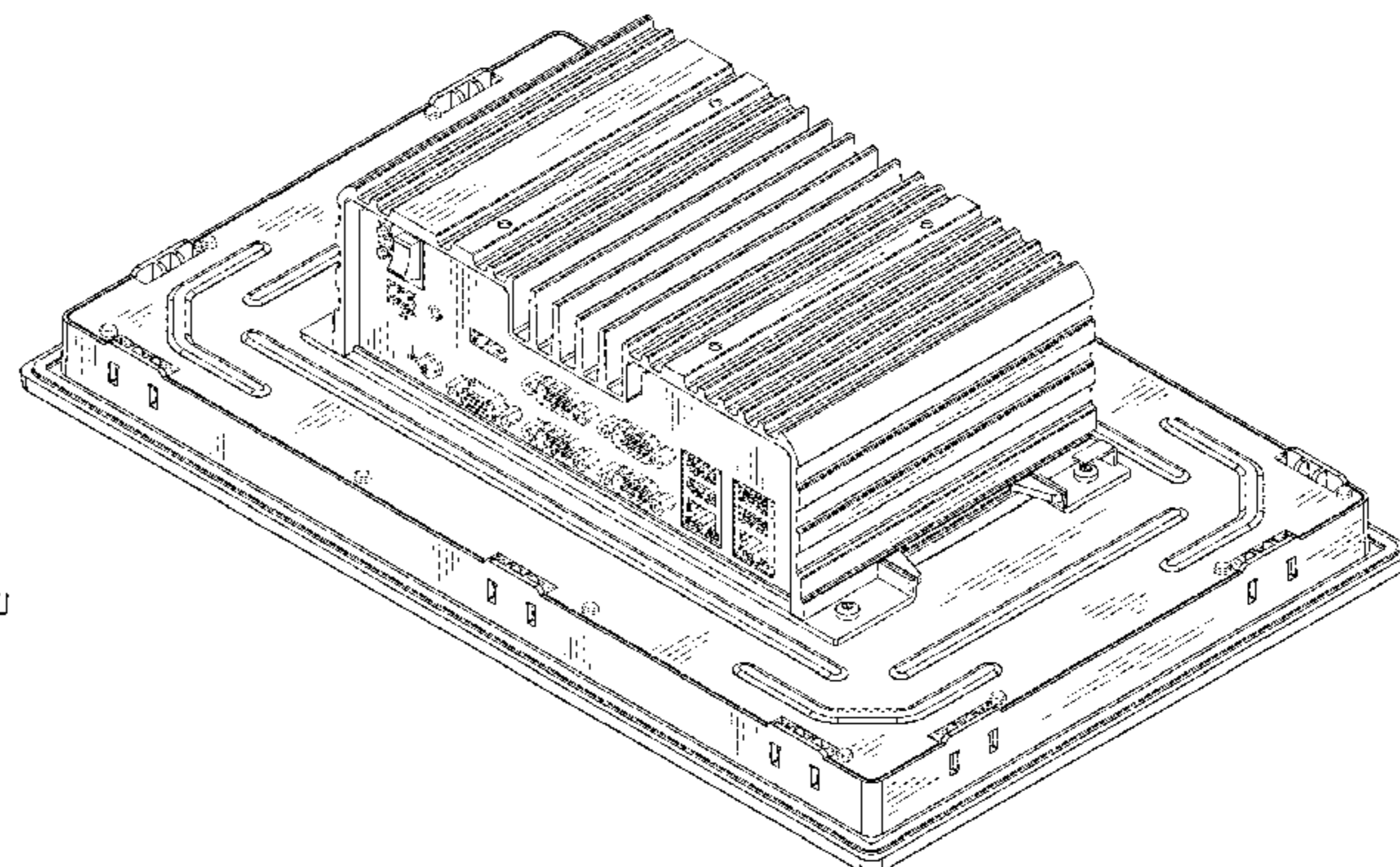
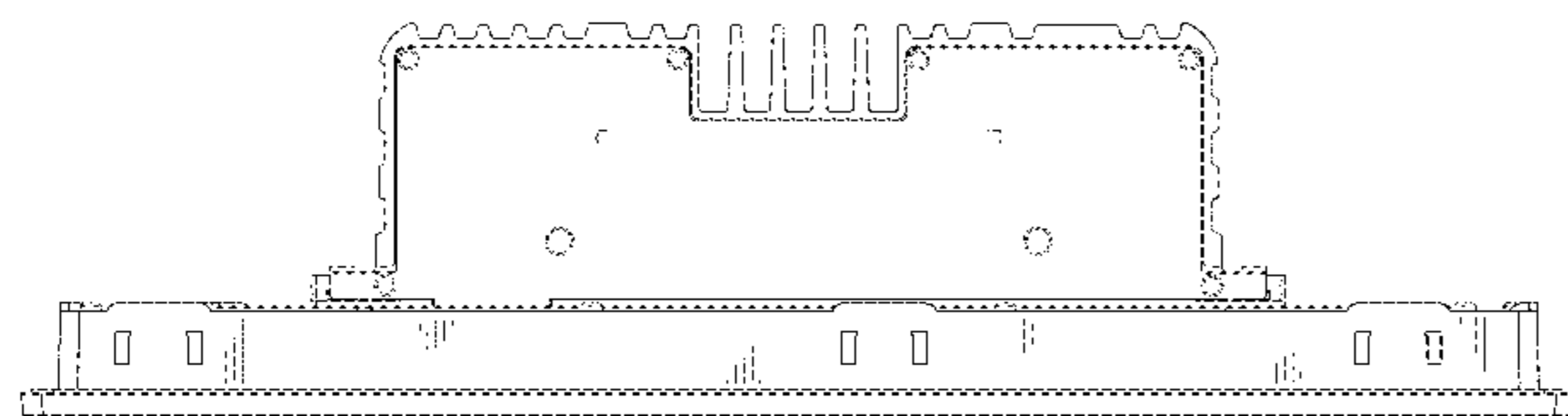
**DESCRIPTION**

FIG. 1 is a front view of a data processing device for an industrial computer showing our new design; FIG. 2 is a rear view thereof; FIG. 3 is a top view thereof; FIG. 4 is a bottom view thereof; FIG. 5 is a right side view thereof; FIG. 6 is a left side view thereof; and, FIG. 7 is a bottom, rear and left side perspective view thereof.

Unshaded surfaces adjacent broken line features form no part of the claimed design. All other surfaces form part of the claimed design, including unshaded surfaces with no adjacent broken line features which are fully bordered by solid line edges.

The broken lines showing portions of the data processing device for an industrial computer form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(58) **Field of Classification Search**

USPC ..... D14/374–382, 126–129, 451–452, 447,  
D14/339–340, 316, 307; D13/123, 158,  
D13/162, 184, 199  
CPC . G06F 1/20; G06F 1/181; G06F 1/187; G06F  
1/183; G06F 1/184; G06F 1/16; H05K  
7/16; H05K 7/1424; H05K 7/1409; H05K  
7/20; H05K 7/20545; H05K 7/20727;  
H05K 7/1425; H05K 7/1488; H05K  
7/183; H05K 7/14; H05K 5/00; G11B  
33/126; G11B 33/127; G11B 33/128;  
G11B 33/08; G11B 33/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D343,395 S \* 1/1994 Kakizaki ..... D14/188  
D379,174 S \* 5/1997 Kornblum ..... D13/123  
D386,761 S \* 11/1997 Pleitz ..... D14/188  
D427,146 S \* 6/2000 Wei ..... D13/110  
D427,147 S \* 6/2000 Wei ..... D13/110  
D427,969 S \* 7/2000 Wei ..... D13/110  
D428,006 S \* 7/2000 Sagues ..... D14/356  
D431,816 S \* 10/2000 Beaumont ..... D14/188  
D484,504 S \* 12/2003 Chuang ..... D14/367  
D490,805 S \* 6/2004 Lee ..... D14/312  
D491,932 S \* 6/2004 Nakamura ..... D13/123  
D563,381 S \* 3/2008 Carrier ..... D14/188  
D565,021 S \* 3/2008 Wilson ..... D14/188  
D597,519 S \* 8/2009 Nakano ..... D14/140.3  
8,006,104 B1 \* 8/2011 Sivertsen ..... G06F 1/181  
713/300  
8,006,105 B1 \* 8/2011 Sivertsen ..... G06F 1/181  
713/300  
D673,145 S \* 12/2012 Andersson ..... D14/314  
D677,655 S \* 3/2013 Sirolich ..... D14/305  
D684,151 S \* 6/2013 Andersson ..... D14/314  
D693,804 S \* 11/2013 Chen ..... D14/314  
D696,243 S \* 12/2013 Chen ..... D14/314  
D698,347 S \* 1/2014 Andersson ..... D14/314  
D707,197 S \* 6/2014 Jaenecke ..... D14/157

D799,474 S \* 10/2017 Menendez ..... D14/313  
D805,486 S \* 12/2017 Hochman ..... D13/184  
D807,872 S \* 1/2018 Nomoto ..... D14/314  
D808,381 S \* 1/2018 Van Dijke ..... D14/313  
D809,515 S \* 2/2018 Nada ..... D14/356  
D845,238 S \* 4/2019 Kato ..... D13/123  
D860,191 S \* 9/2019 Gao ..... D14/301  
D861,608 S \* 10/2019 Kato ..... D13/123  
D878,360 S \* 3/2020 Sun ..... D14/301  
D888,046 S \* 6/2020 Lu ..... D14/301  
D908,122 S \* 1/2021 Luo ..... D14/336  
D914,626 S \* 3/2021 Alfredsson ..... D13/184  
D915,306 S \* 4/2021 Fu ..... D13/158  
D915,313 S \* 4/2021 Alfredsson ..... D13/184  
D916,040 S \* 4/2021 Alfredsson ..... D13/184  
D916,667 S \* 4/2021 Fu ..... D13/162  
D920,939 S \* 6/2021 Alfredsson ..... D13/184  
2008/0141571 A1 \* 6/2008 Kottwitz ..... G09F 9/33  
40/605  
2010/0175851 A1 \* 7/2010 Heydari ..... G06F 1/20  
165/80.2  
2013/0027876 A1 \* 1/2013 Chao ..... G06F 1/20  
361/690

OTHER PUBLICATIONS

Yigibyeong, Nyutek Electronics Day, KR design No. 300489419, published at Orbit, publication date May 6, 2008. Site visited Nov. 7, 2020. Available from Internet. (Year: 2008).\*

Miller, Jeremy, 5 Industrial PCs that provide the best Performance . . . , posted at L-Tron, pub date Jul. 13, 2016. Site visited Nov. 7, 2020. URL: <<https://web.archive.org/web/20160713012550/https://www.l-tron.com/5-industrial-pcs-that-provide-the-best-performance-on-the-manufacturing-floor/>> (Year: 2016).\*

HMI Touch Panels, posted at AIS, posting date Nov. 17, 2014. Site visited Nov. 7, 2020. URL: <<http://www.aispro.com/products/hmi-touch-panels>> (Year: 2014).\*

SIMATIC Panel IPC, posted at Siemens, posting date Dec. 28, 2019. Site visited Nov. 7, 2020. URL: <<https://web.archive.org/web/20191228045022/https://new.siemens.com/global/en/products/automation/pc-based/simatic-panel-pc.html>> (Year: 2019).\*

\* cited by examiner

FIG. 1

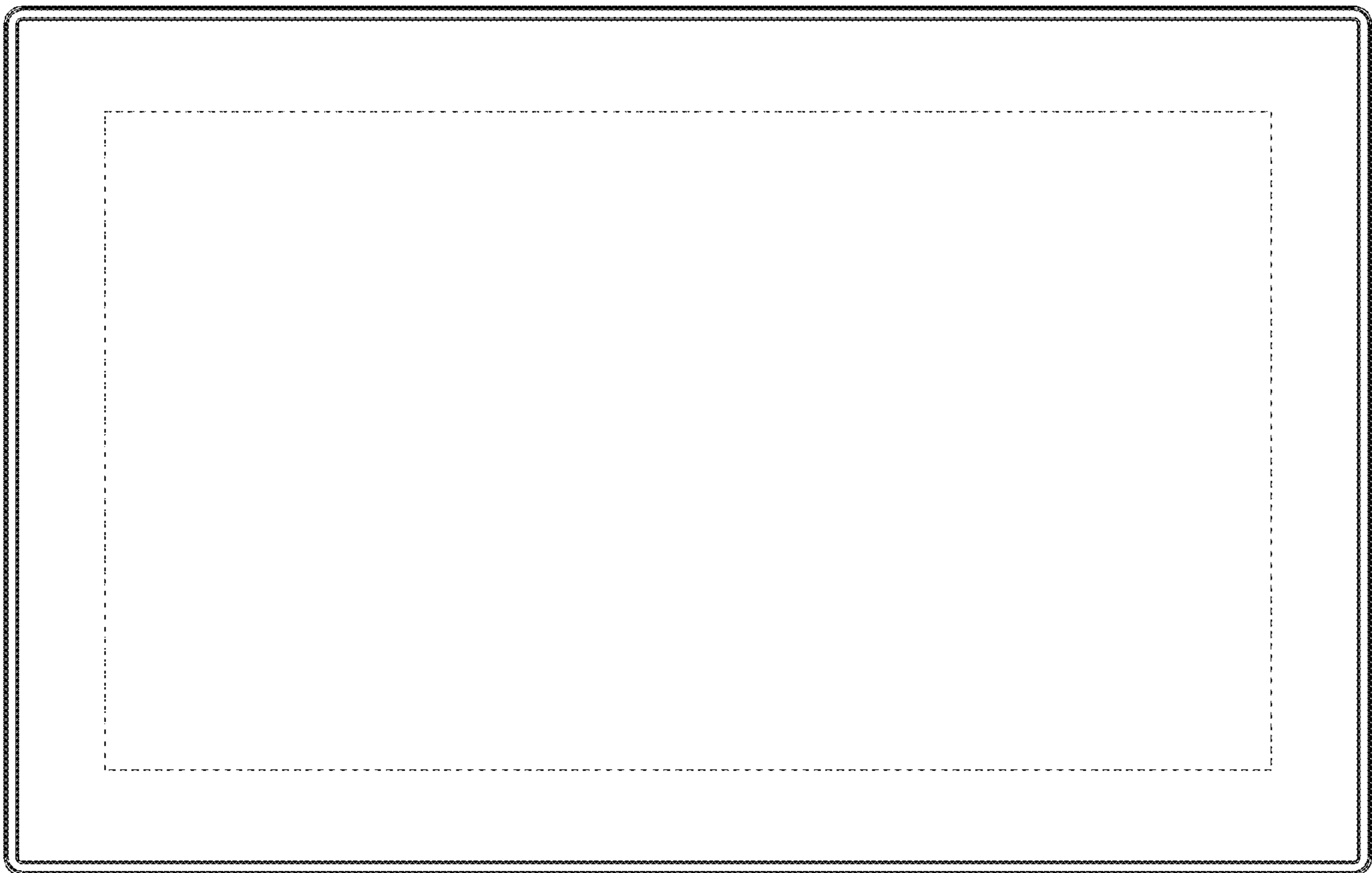


FIG. 2

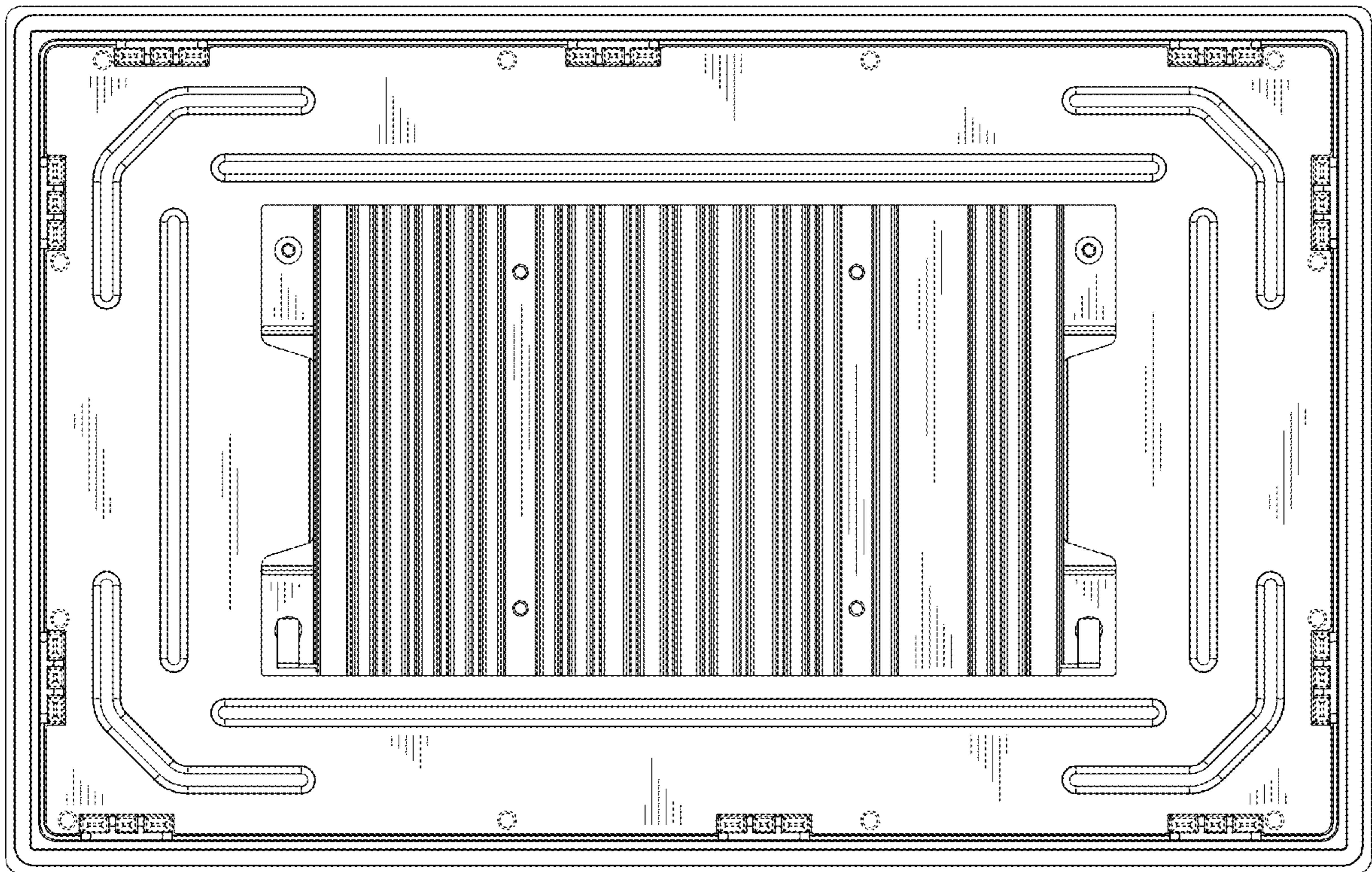


FIG. 3

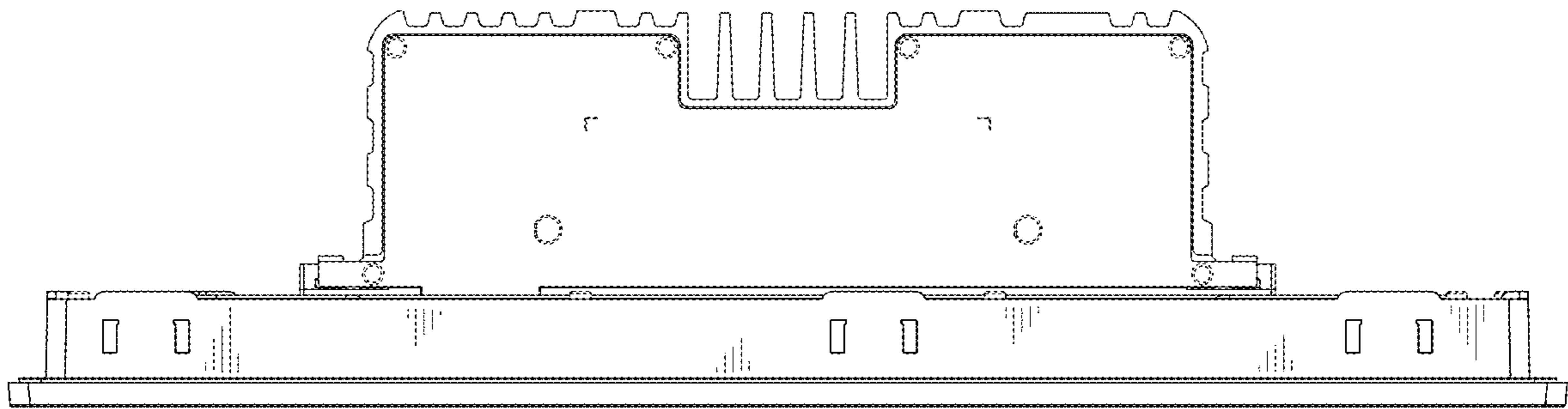


FIG. 4

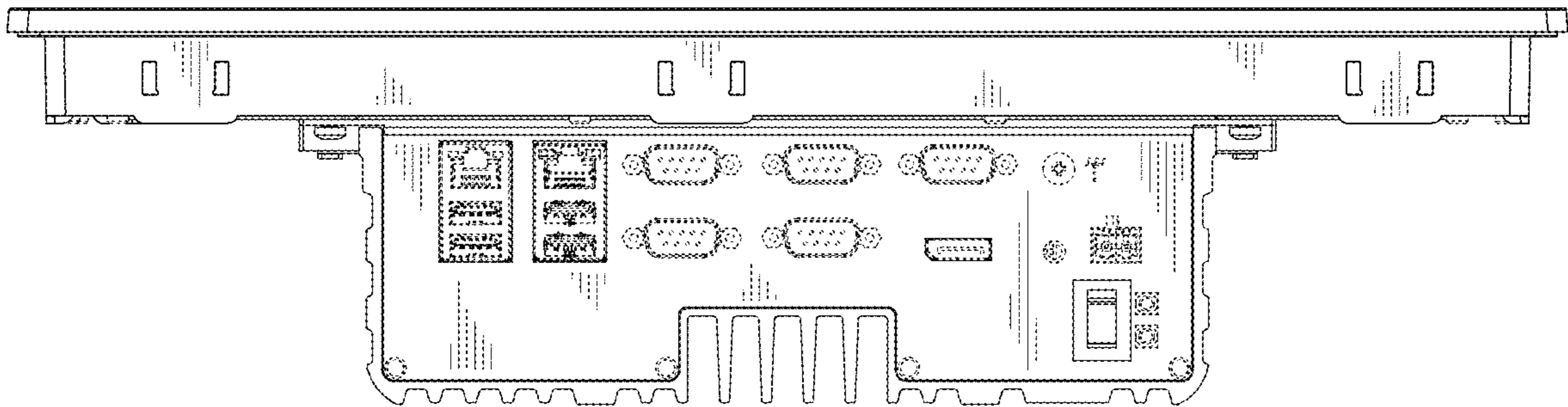


FIG. 5

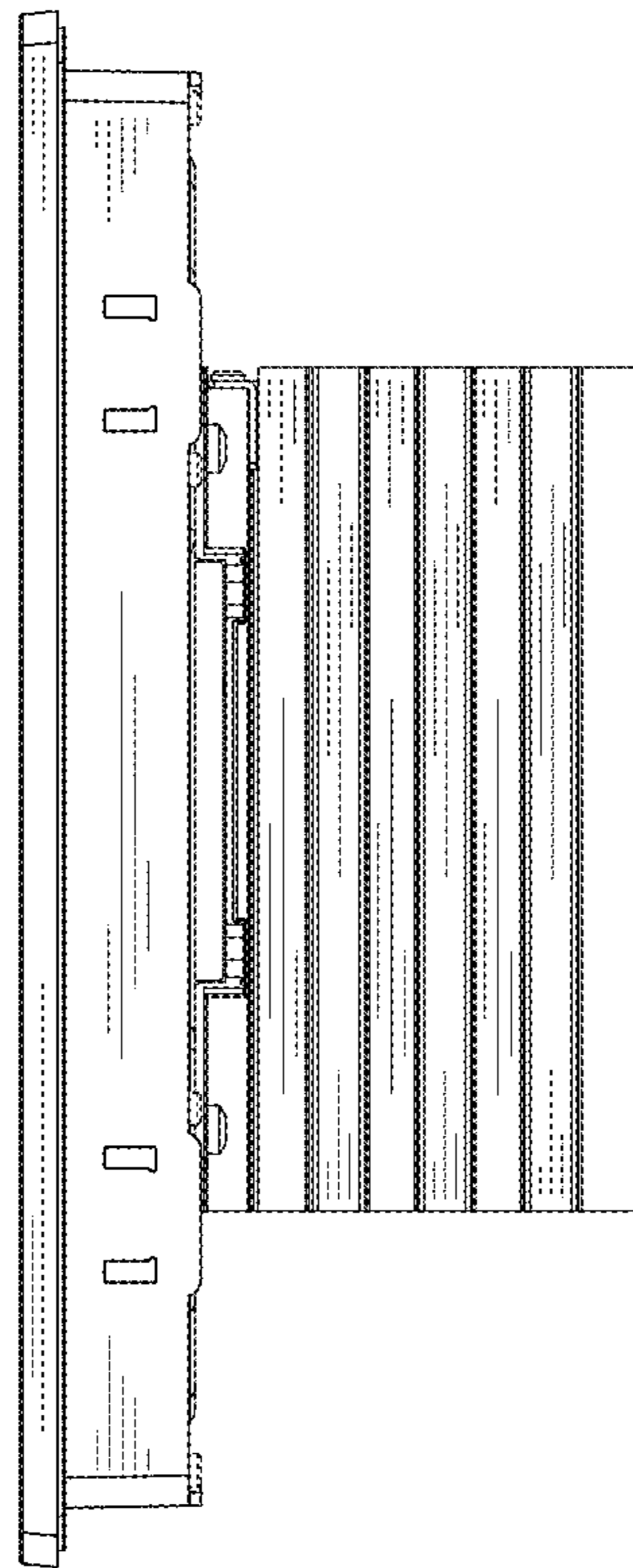


FIG. 6

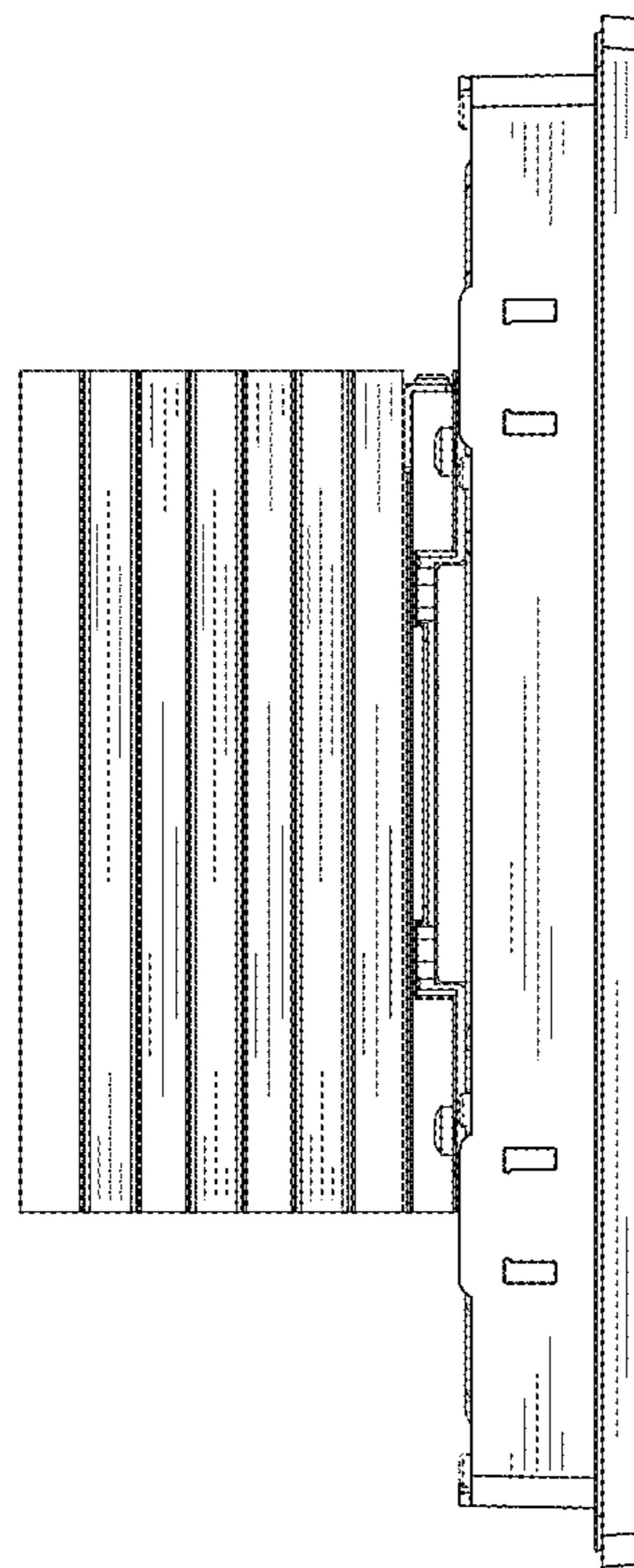




FIG. 7

