



US00D778234S

(12) **United States Design Patent** (10) **Patent No.:** **US D778,234 S**
Cheung et al. (45) **Date of Patent:** **** Feb. 7, 2017**

(54) **FOLDABLE SOLAR PANEL**
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(73) Assignee: **SBM Solar, Inc.**, Concord, NC (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/559,510**
(22) Filed: **Mar. 29, 2016**
(51) **LOC (10) Cl.** **13-02**
(52) **U.S. Cl.**
USPC **D13/102**
(58) **Field of Classification Search**
USPC D13/102, 103, 104, 107, 110, 119, 199;
136/244, 245, 251, 146, 158, 291;
323/906; 126/569, 571, 600, 621, 622,
126/680, 906
CPC Y02E 10/50; Y02E 10/544; H01L 31/042;
H01L 25/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,713,492 A * 12/1987 Hanak H02S 30/20
126/624
D510,316 S * 10/2005 Hayakawa D13/102
D625,251 S * 10/2010 Workman D13/102
D663,261 S * 7/2012 Cheung D13/102

D663,262 S * 7/2012 Cheung D13/102
D722,015 S * 2/2015 Owens D13/102
D729,156 S * 5/2015 Nook D13/102
D748,572 S * 2/2016 Becker D13/102
D751,498 S * 3/2016 Munshi D13/102
D755,119 S * 5/2016 Munshi D13/102
2009/0320898 A1 * 12/2009 Gumm H02S 30/20
136/245
2013/0240015 A1 * 9/2013 Chaimovski H01L 31/045
136/245
2016/0126387 A1 * 5/2016 Hashimoto H01L 31/0201
136/244

* cited by examiner

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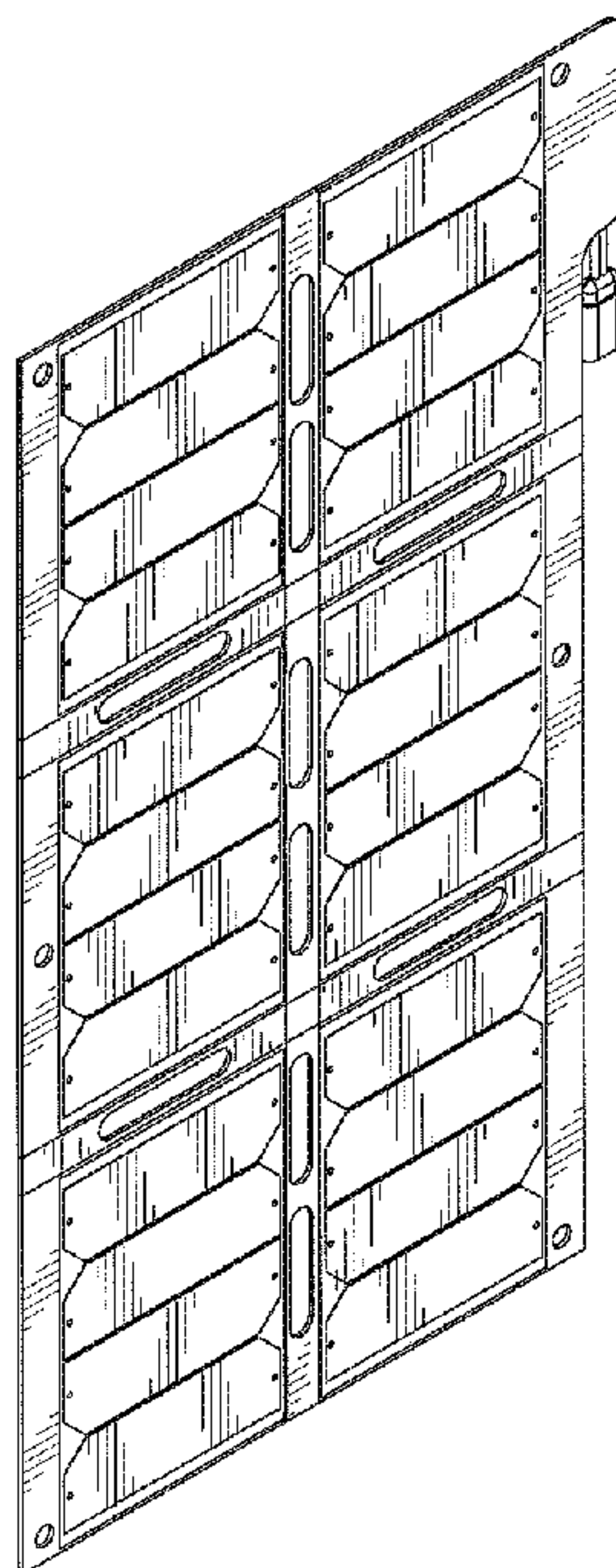
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front and left side perspective view of a foldable solar panel showing our new design;
FIG. 2 is a front and right side perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a back and right side perspective view thereof;
FIG. 9 is a back and left side perspective view thereof; and,
FIG. 10 is a back view thereof.

1 Claim, 7 Drawing Sheets



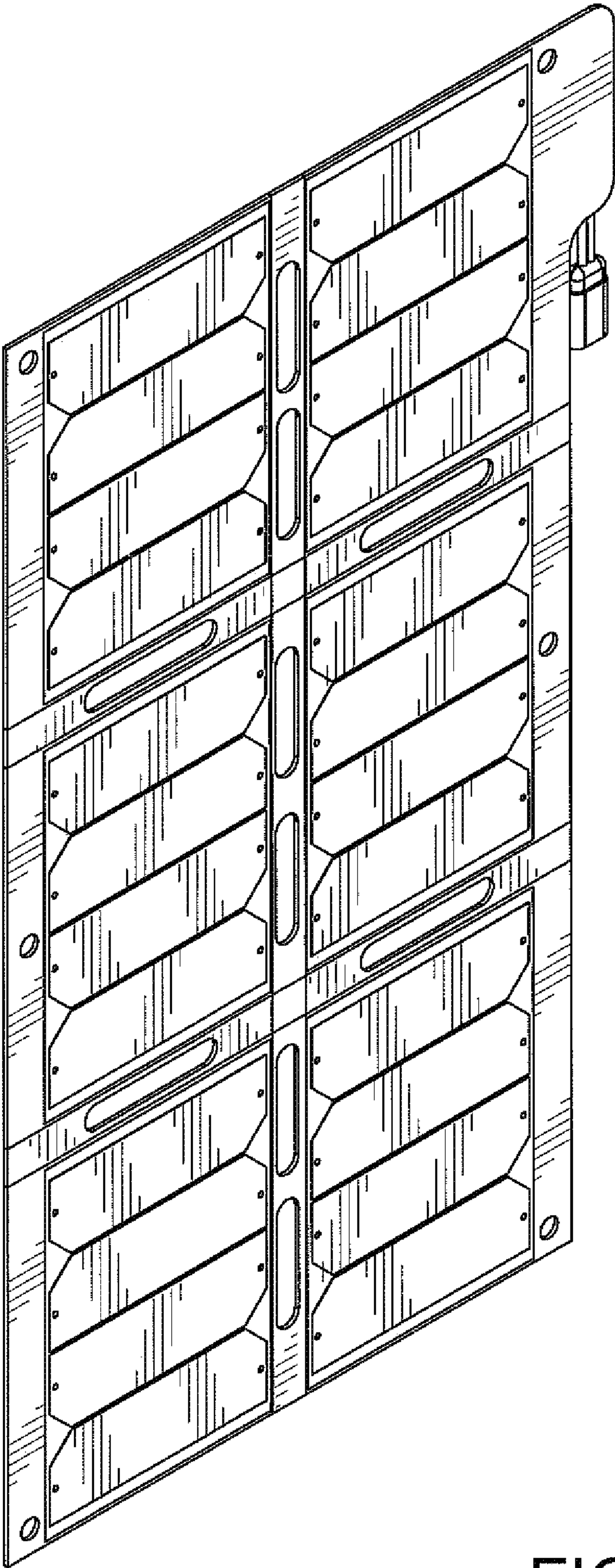


FIG. 1

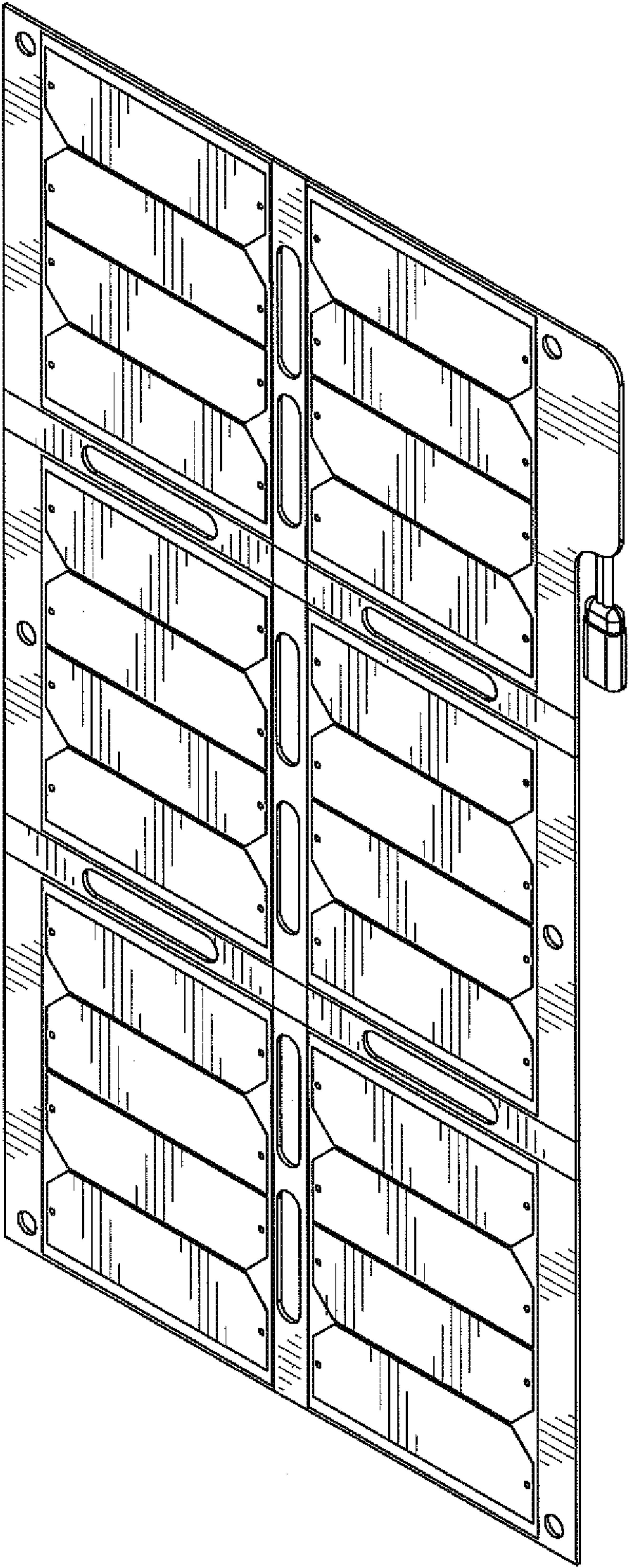


FIG. 2

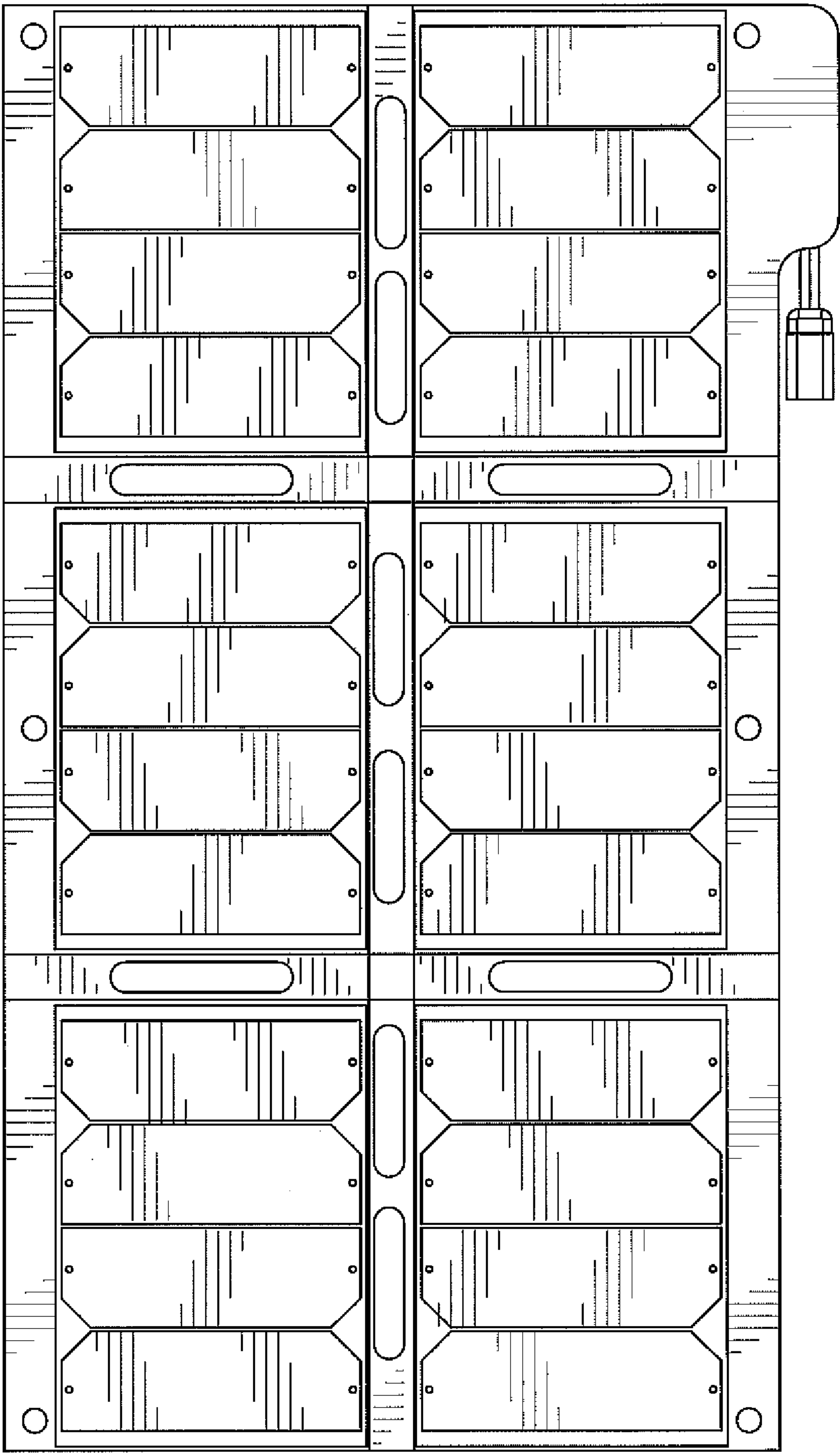


FIG. 3

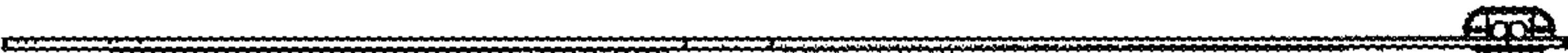


FIG. 4



FIG. 5



FIG. 6

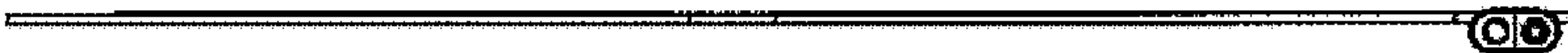


FIG. 7

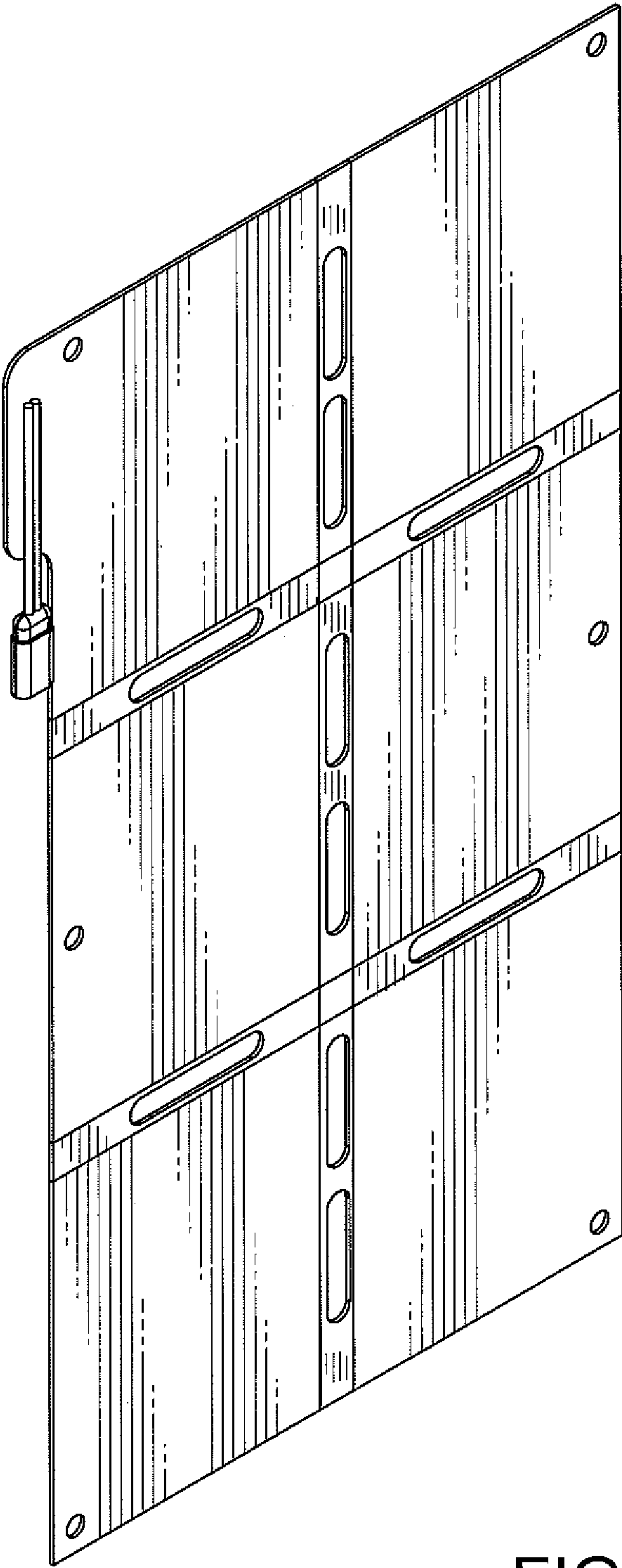


FIG. 8

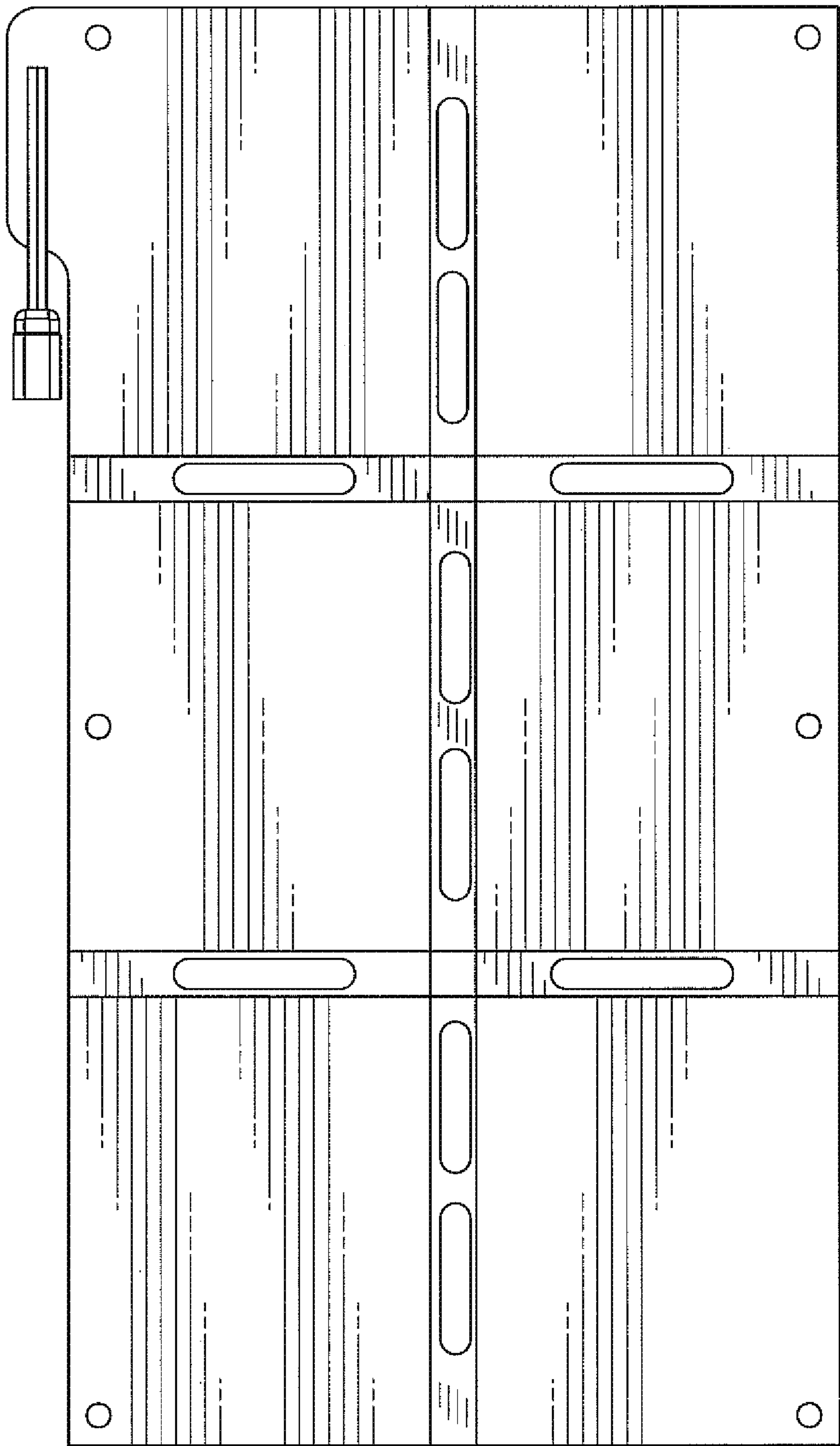


FIG. 10