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

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(54) **FOLDABLE LIGHTWEIGHT SOLAR PANEL**

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

(21) Appl. No.: **29/676,175**

(22) Filed: **Jan. 9, 2019**

(51) **LOC (12) Cl.** ..... **13-02**

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

USPC ..... **D13/102**

(58) **Field of Classification Search**

USPC ..... D13/102, 101, 103, 107, 108, 199;  
126/569, 624, 704, 710, 711;  
136/243-265; 320/101, 116, 120  
CPC ..... H01L 31/00; H01L 31/042; H01L 31/045;  
H01L 31/048; H01L 31/052; H01L  
31/0475; H01L 31/0485; H01M 10/052;  
H01M 10/465; H02S 30/10; H02S 30/20;  
H02S 10/40; H02S 40/42; Y02E 10/50;  
Y02E 10/52; Y10S 136/291; Y10S  
136/293; H02J 7/355; G06F 1/1628

See application file for complete search history.

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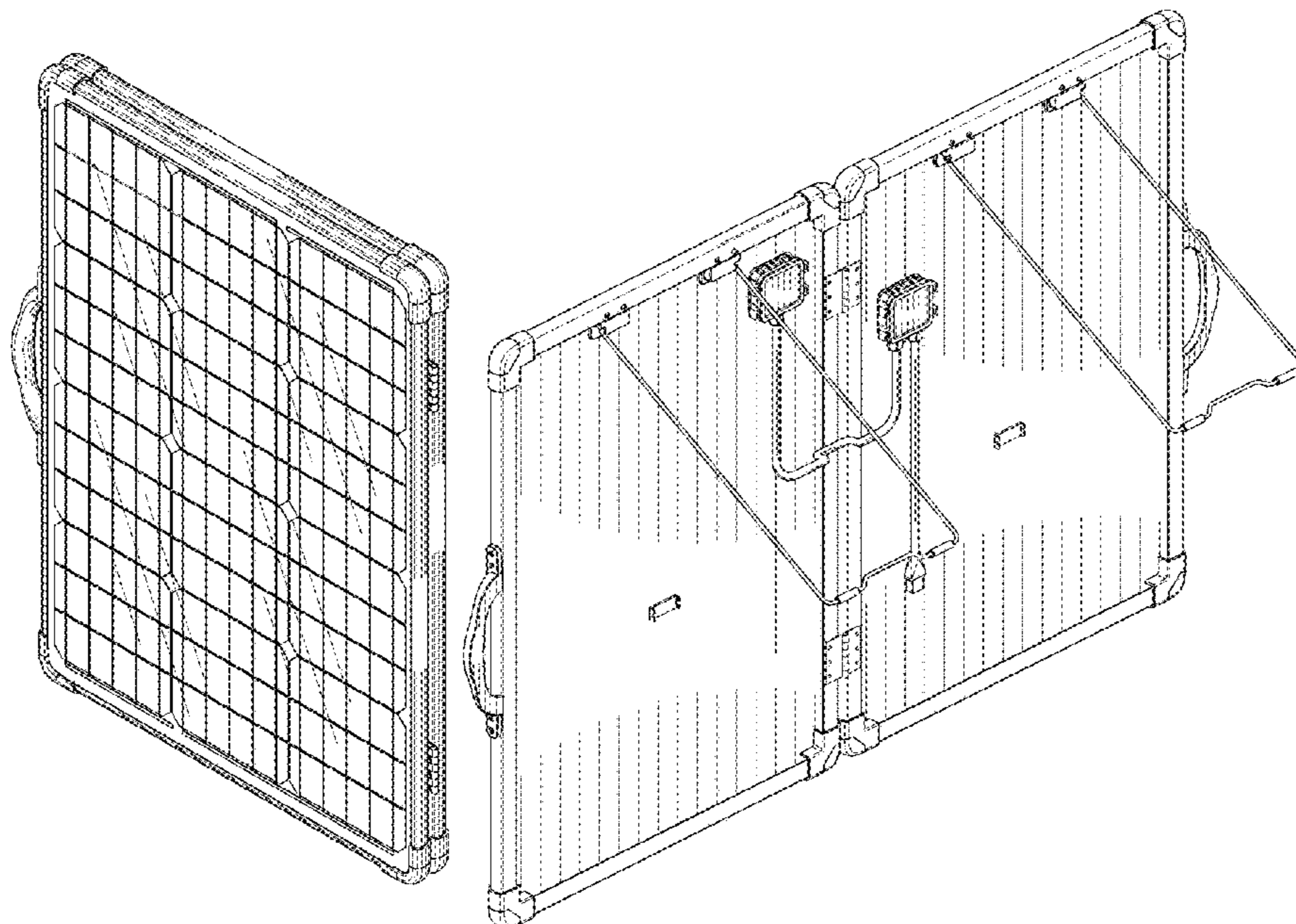
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of a foldable lightweight solar panel, showing the new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left-side view thereof;  
FIG. 5 is a right-side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a front view thereof in an open configuration,  
FIG. 9 is a rear view thereof in an open configuration; and,  
FIG. 10 is a perspective view thereof in an open configuration.

**1 Claim, 8 Drawing Sheets**



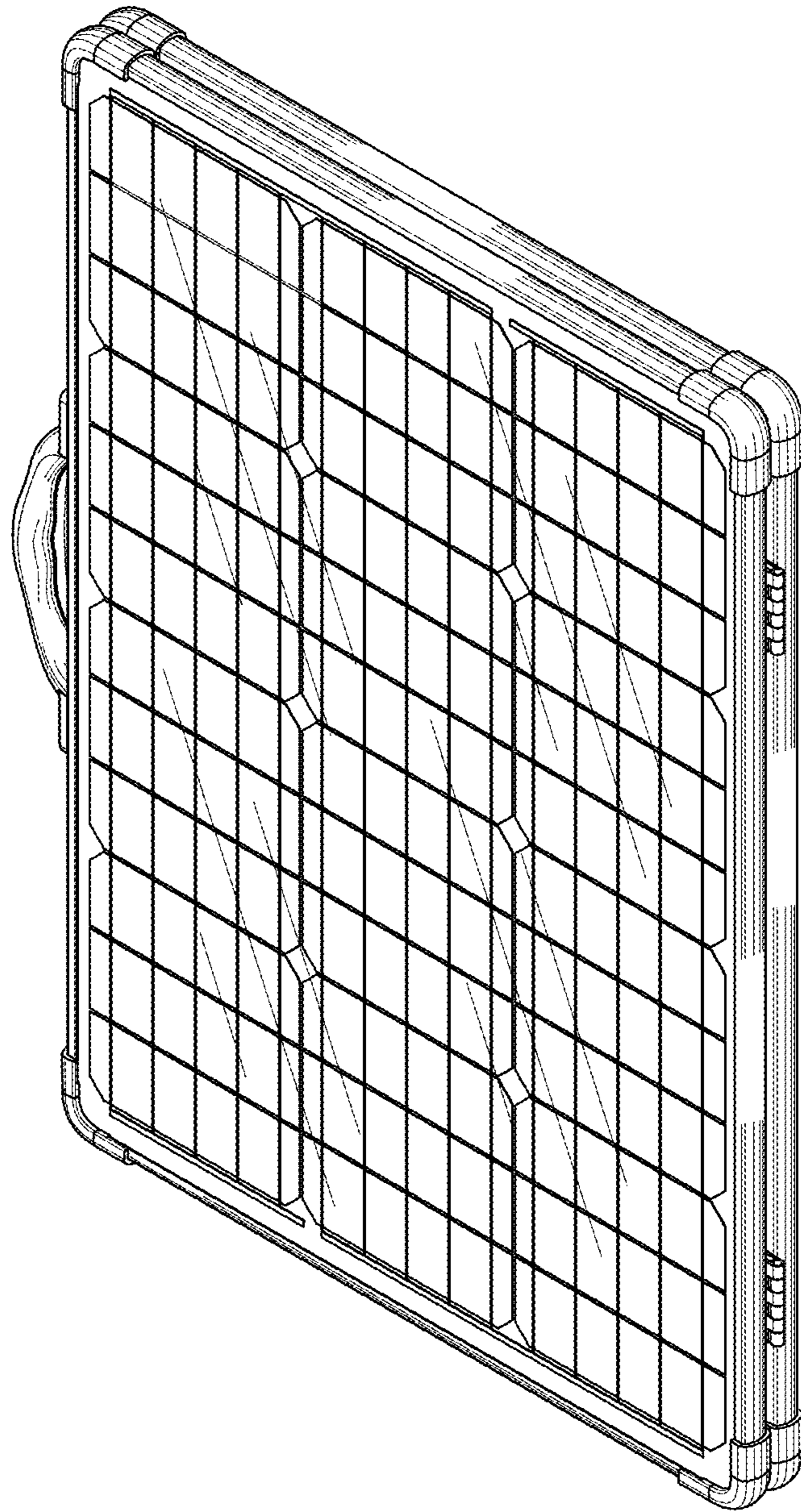


FIG. 1



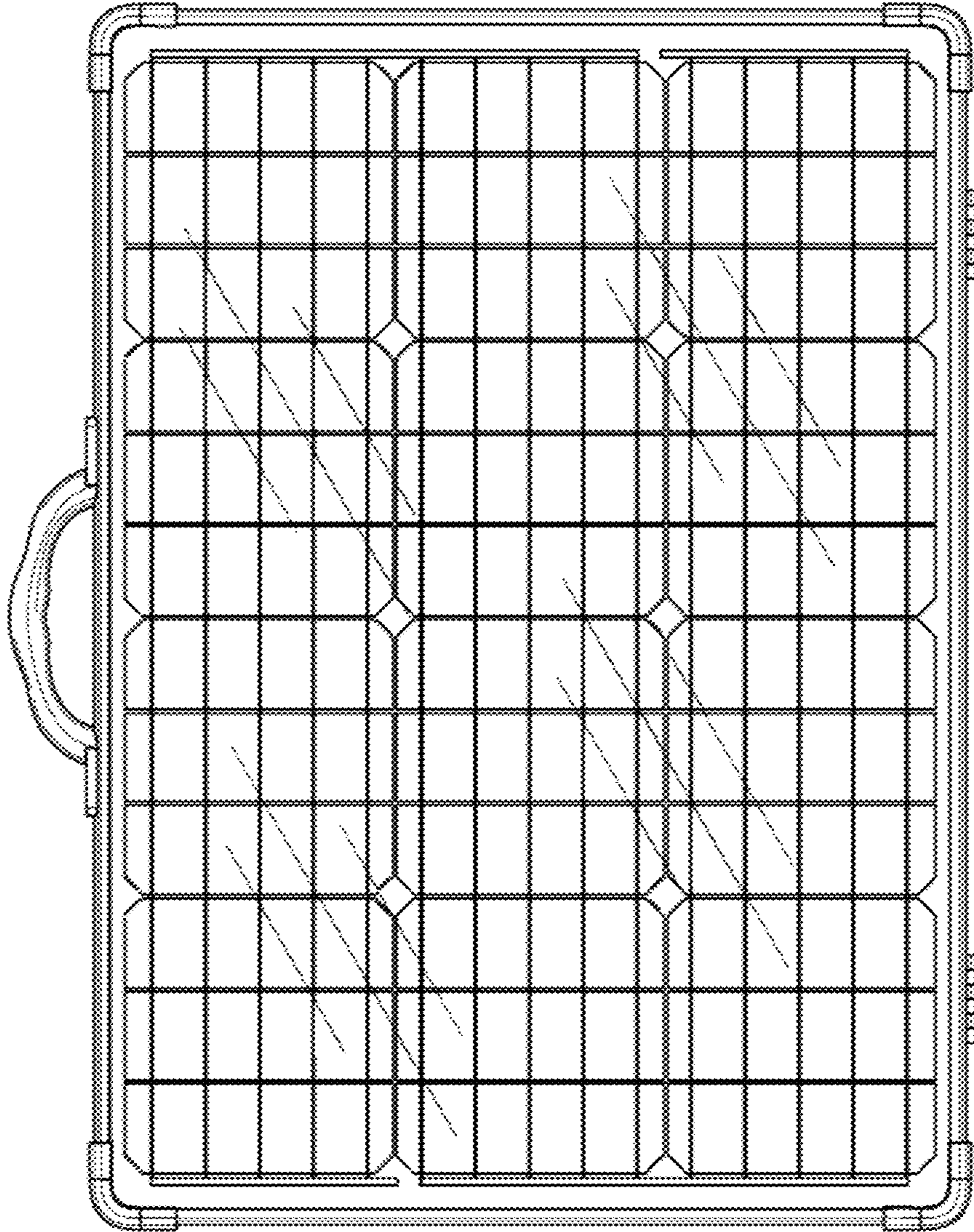


FIG. 2

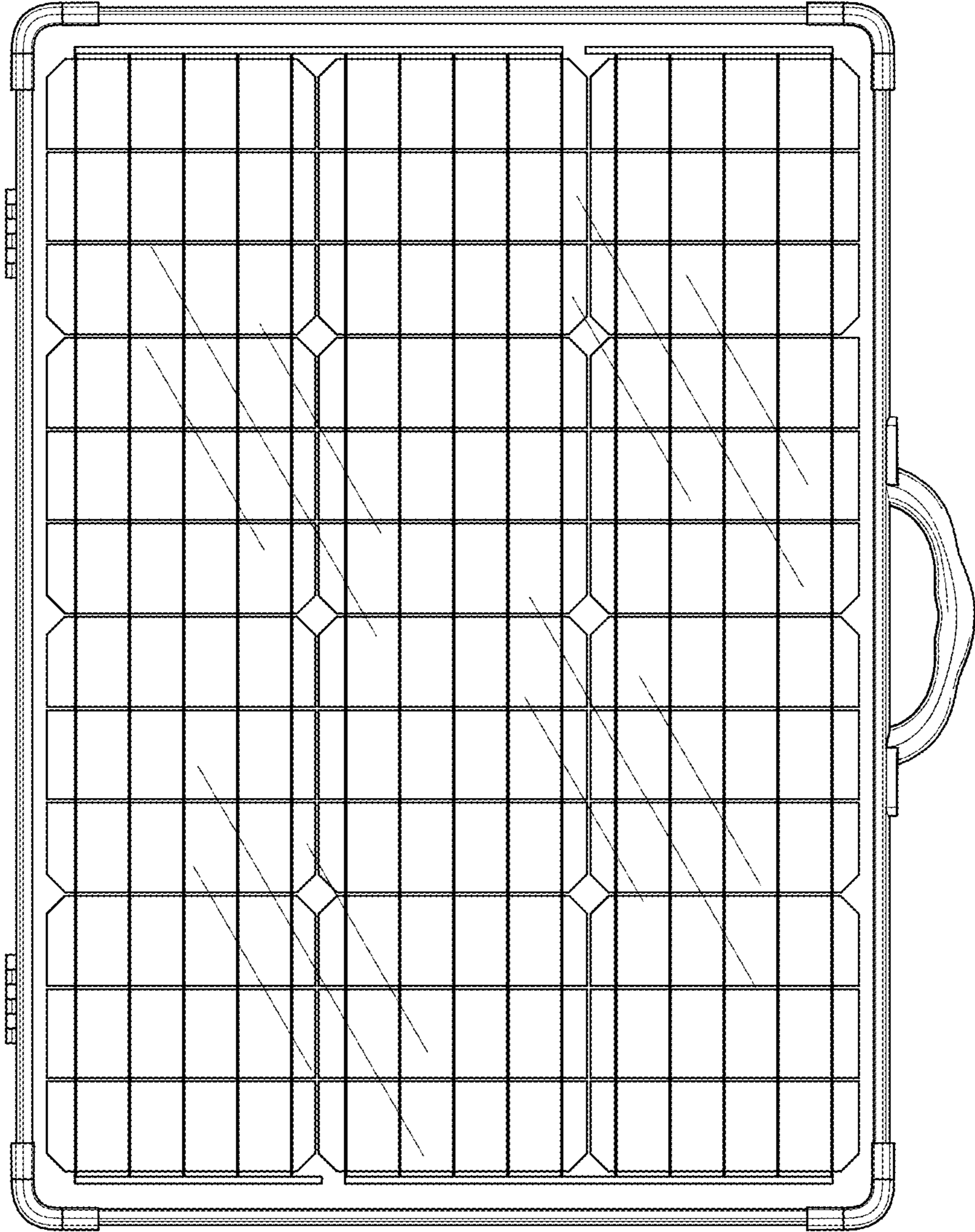


FIG. 3

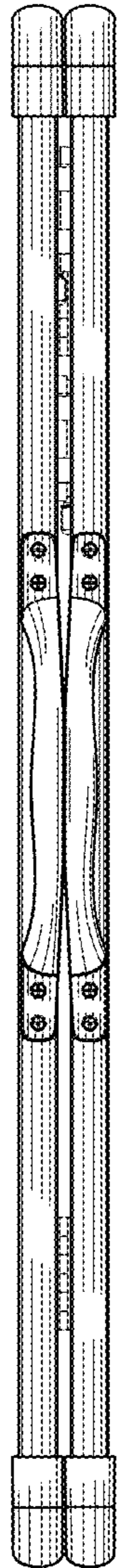


FIG. 4

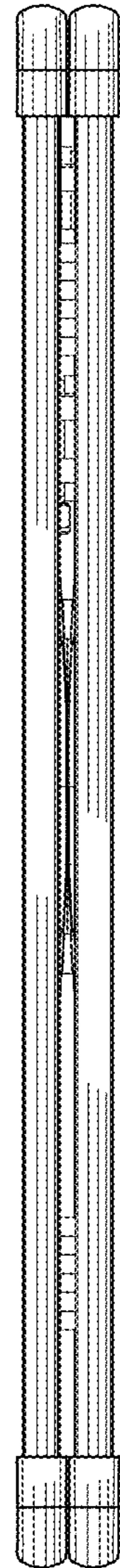


FIG. 5

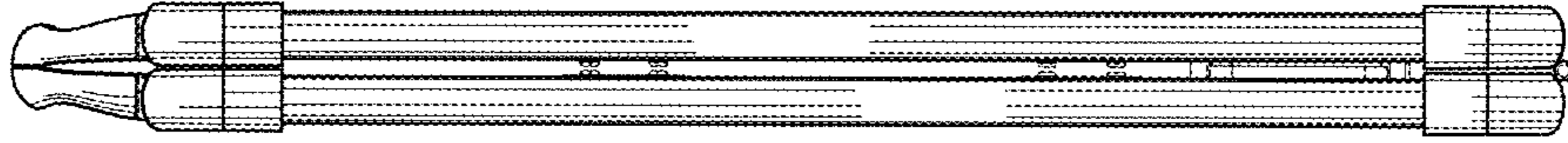


FIG. 6

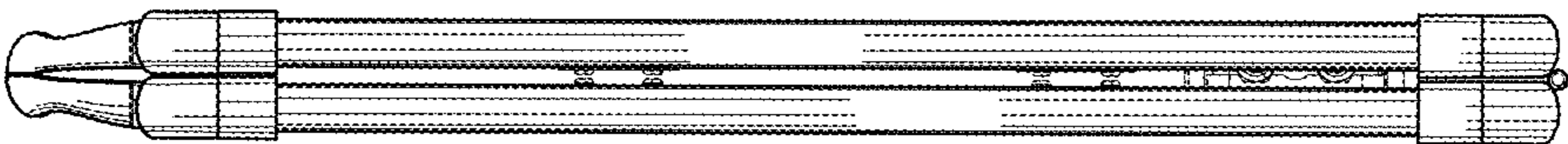


FIG. 7



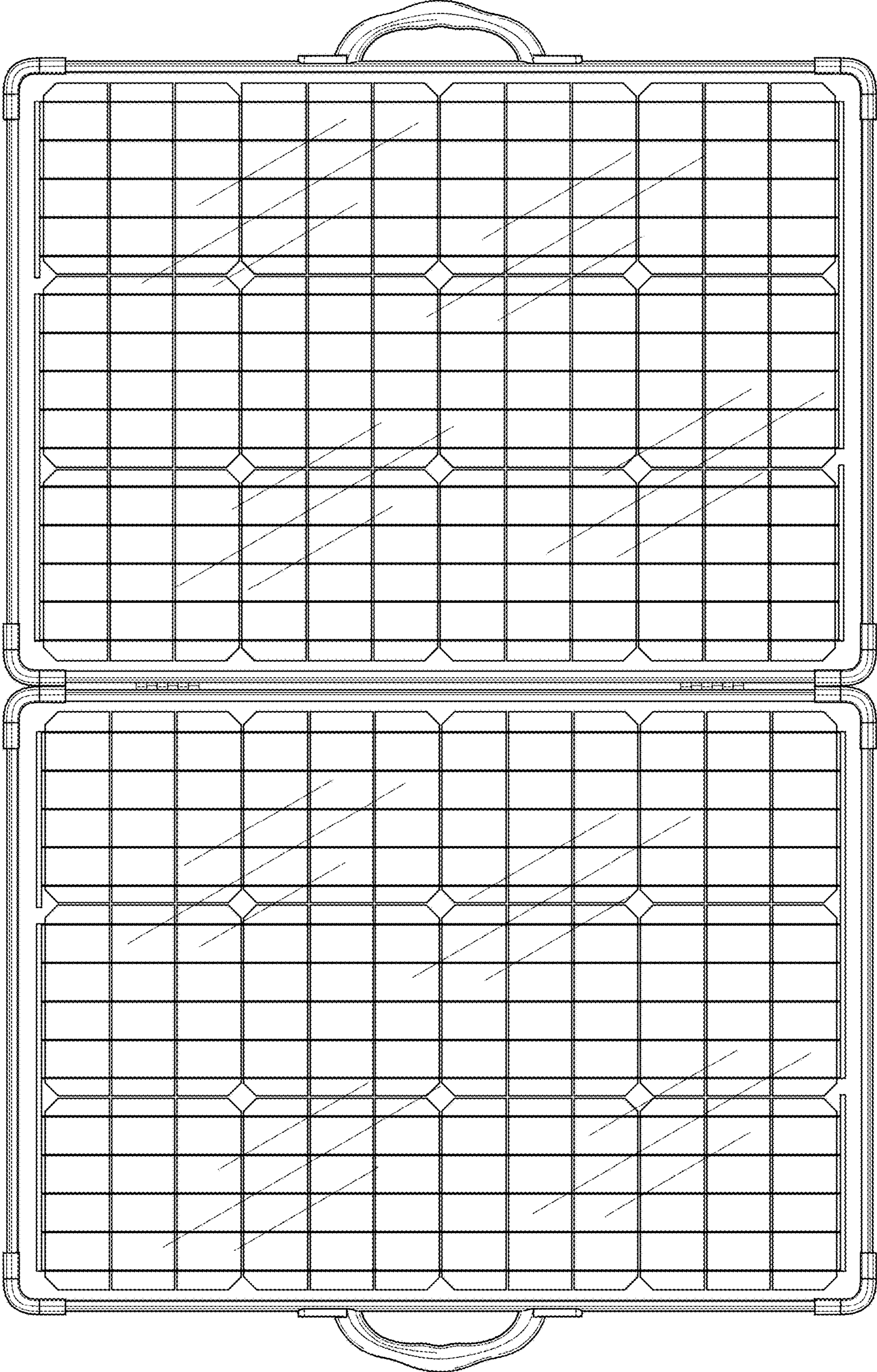


FIG. 8

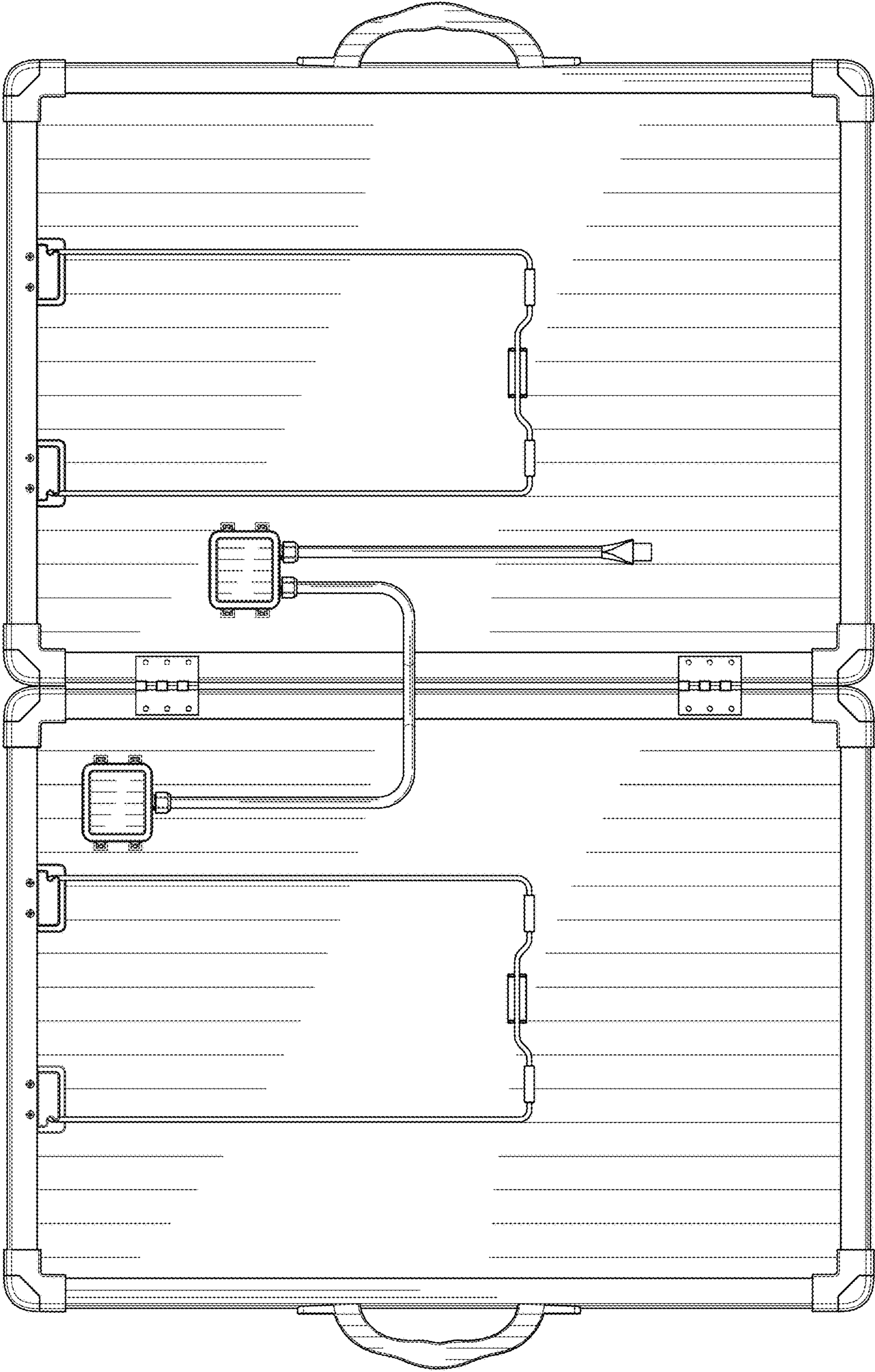


FIG. 9



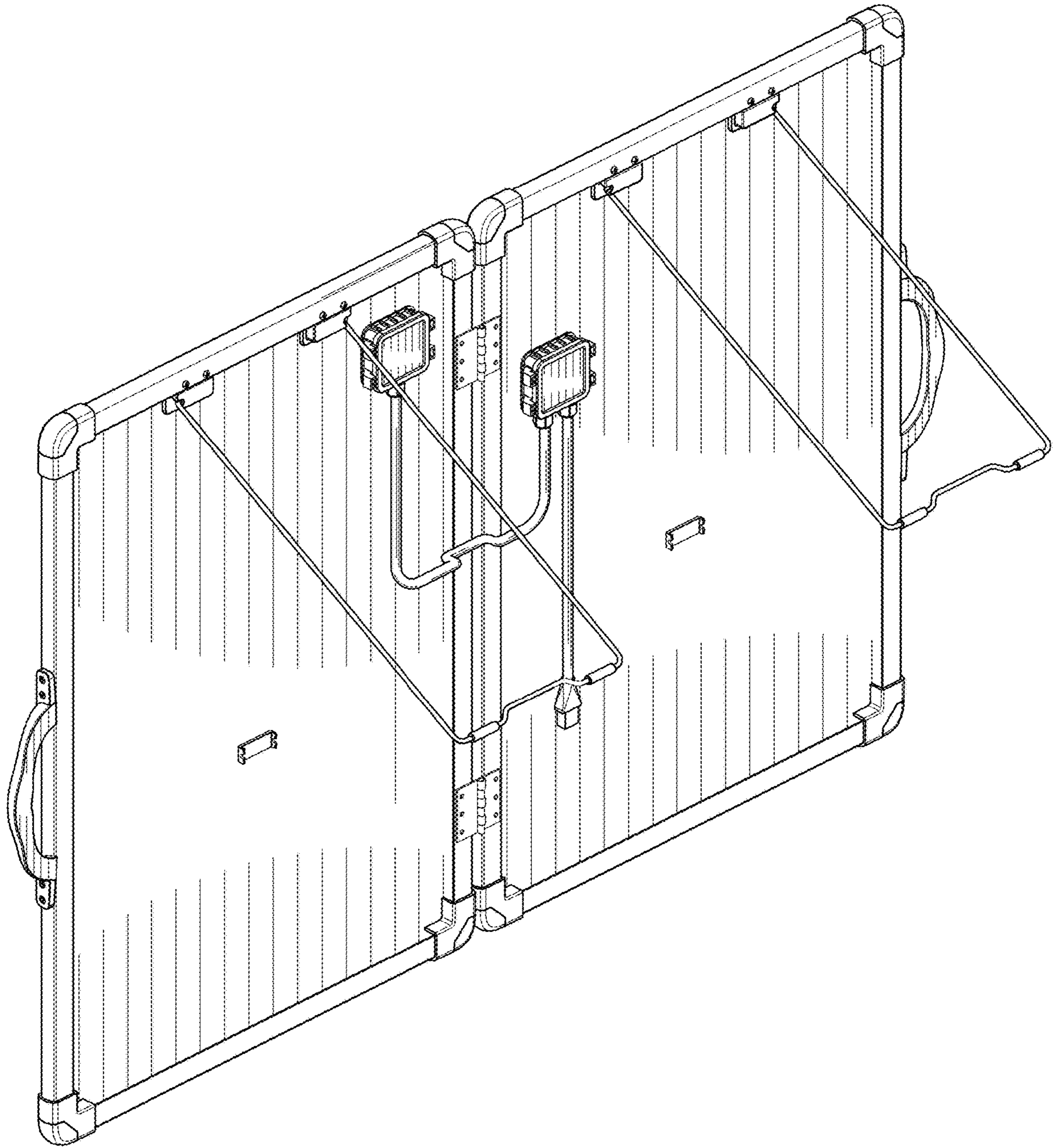


FIG. 10