



US00D938901S

(12) **United States Design Patent** (10) **Patent No.:** **US D938,901 S**  
**McDonald et al.** (45) **Date of Patent:** **\*\* Dec. 21, 2021**

- (54) **SOLAR PANEL USABLE ON A REFRIGERATION UNIT**
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- (73) Assignee: **CARRIER CORPORATION**, Palm Beach Gardens, FL (US)

- 6,195,015 B1 \* 2/2001 Jacobs ..... G07F 17/246  
340/693.12
- D516,017 S \* 2/2006 Mascolo ..... D13/102
- D631,431 S \* 1/2011 DeFelice ..... D13/102
- D661,644 S \* 6/2012 Heidtmann ..... D13/102
- D686,146 S \* 7/2013 Ishikawa ..... D13/102
- D686,979 S 7/2013 Chilton et al.
- D690,259 S \* 9/2013 Raeber ..... D13/102
- D730,820 S 6/2015 Werner
- D745,845 S 12/2015 Anderson
- D781,229 S 3/2017 Krantz et al.
- D784,255 S \* 4/2017 Steinfeldt ..... D13/102
- D785,560 S \* 5/2017 Aiken ..... D13/102

(Continued)

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

(21) Appl. No.: **29/777,317**

(22) Filed: **Apr. 5, 2021**

**Related U.S. Application Data**

(62) Division of application No. 29/682,084, filed on Mar. 1, 2019, now Pat. No. Des. 918,130.

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

(52) **U.S. Cl.**  
USPC ..... **D13/102**

(58) **Field of Classification Search**  
USPC ..... D13/101, 102, 107, 133, 184, 199;  
D20/22

CPC ..... H01L 31/02; H01L 31/18; H01L 31/042;  
H01L 31/048; H01L 31/0525; H01L  
31/0203; H01L 31/02008; H01L 31/0504;  
H01L 31/02013; H01L 27/142; H01L  
27/1421; Y02E 10/40; Y02E 10/47; Y02E  
10/50; Y02E 10/52; Y02E 10/54; Y02E  
10/542; Y02E 10/544; H02S 30/10; H02S  
40/34; H02S 40/44; H02J 7/0042

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,522,943 A \* 6/1996 Spencer ..... H02S 10/40  
136/245
- D391,632 S 3/1998 Thomas

**OTHER PUBLICATIONS**

U.S. Appl. No. 29/682,084, filed Mar. 1, 2019; Restriction Requirement dated Oct. 7, 2020; 6 pages.

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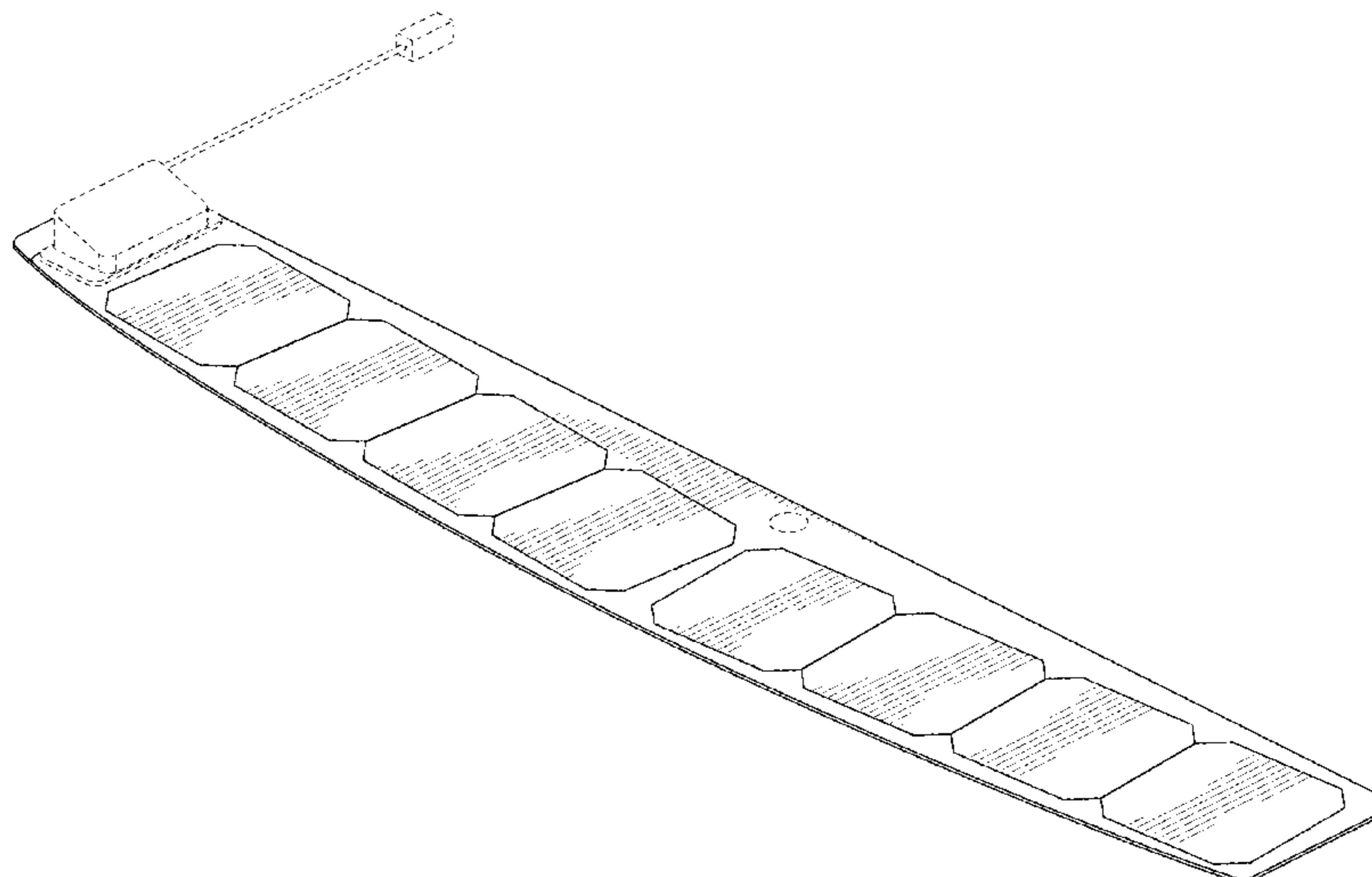
(57) **CLAIM**

We claim, the ornamental design for a solar panel usable on a refrigeration unit, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a solar panel usable on a refrigeration unit, showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a side view thereof; FIG. 5 is another side view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof. The broken lines shown represent environmental subject matter and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



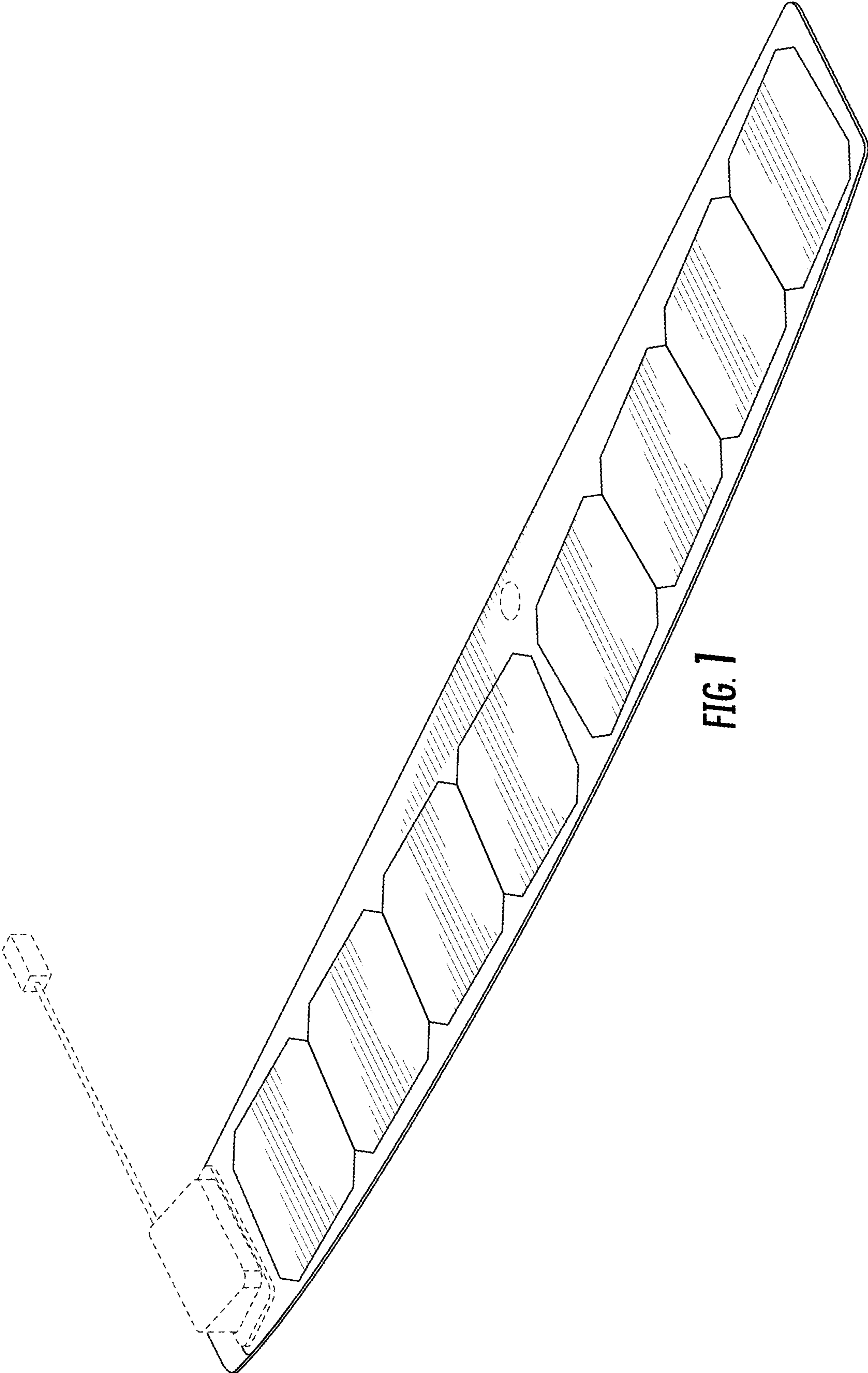
(56)

**References Cited**

U.S. PATENT DOCUMENTS

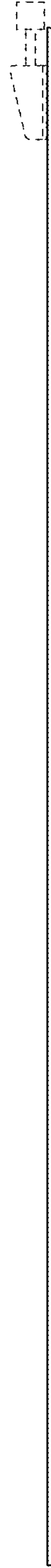
D800,648 S 10/2017 Mei et al.  
D806,014 S \* 12/2017 Saitou ..... D13/102  
D806,932 S \* 1/2018 Hui ..... D26/102  
D836,538 S \* 12/2018 Yang ..... D13/102  
2008/0314448 A1\* 12/2008 Kato ..... H01G 9/2077  
136/261  
2018/0062011 A1\* 3/2018 Crist ..... H01L 31/044

\* cited by examiner

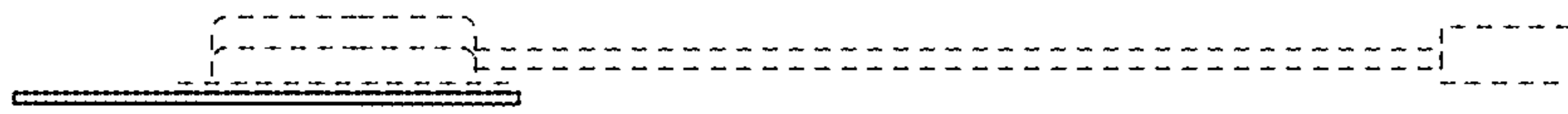




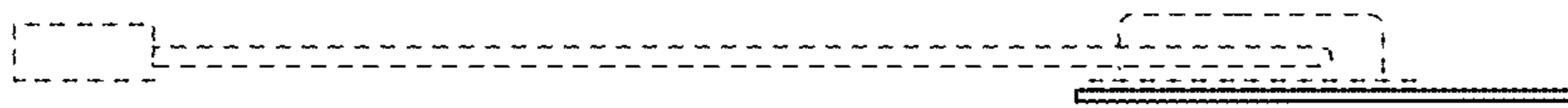
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**

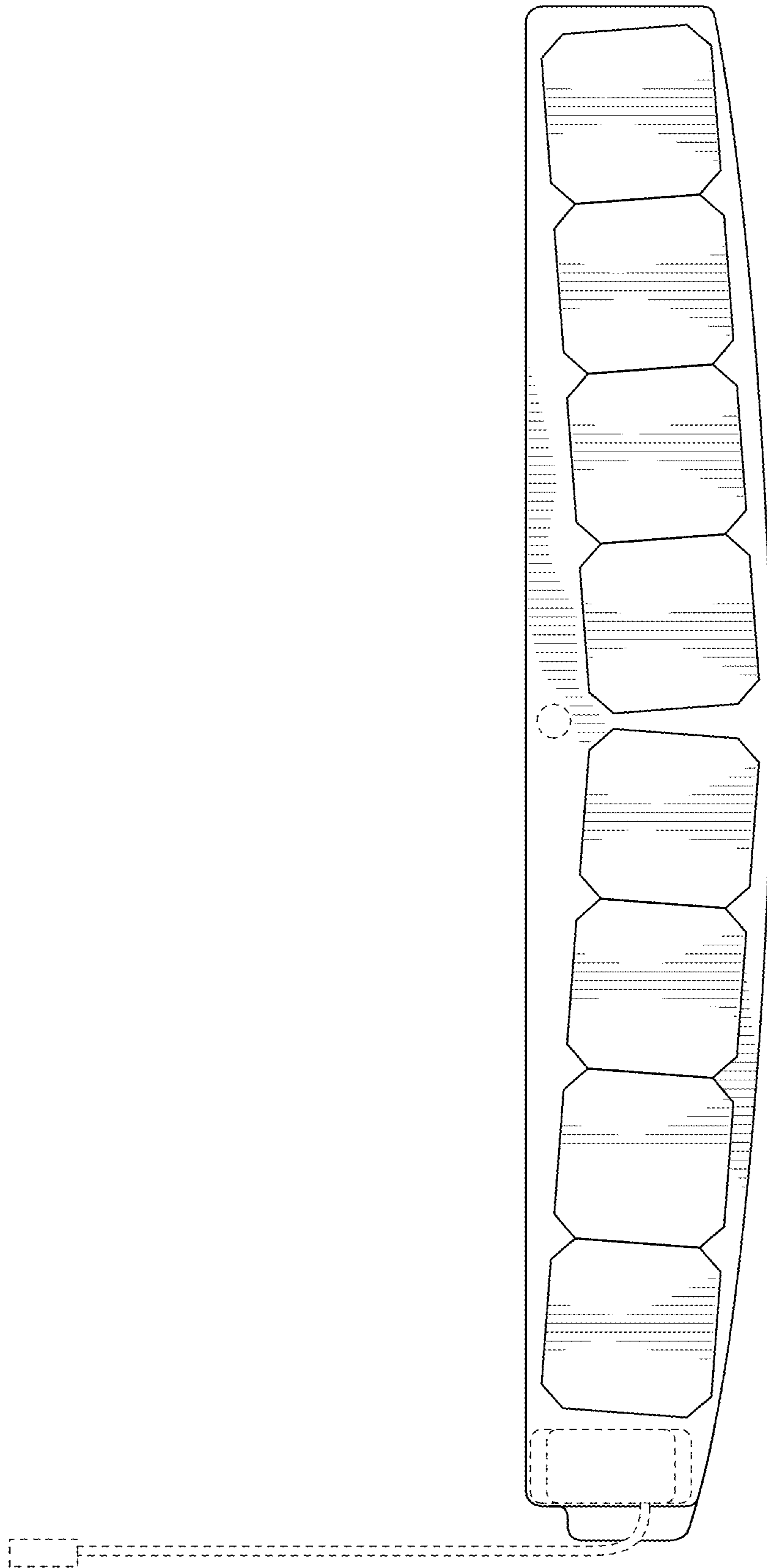


FIG. 6

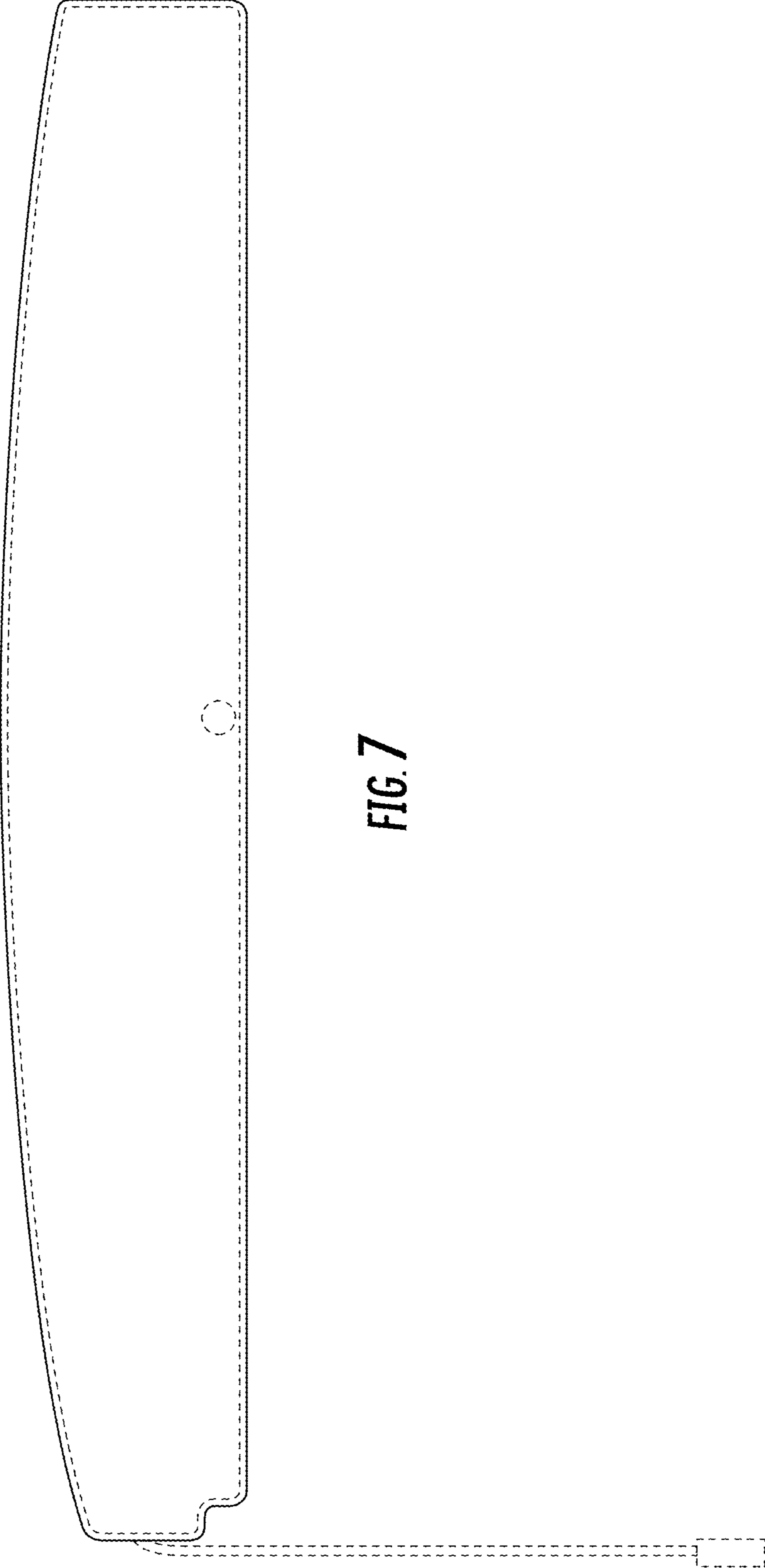


FIG. 7