



US00D511576S

(12) **United States Design Patent** (10) **Patent No.:** **US D511,576 S**  
**Shingleton et al.** (45) **Date of Patent:** **\*\* Nov. 15, 2005**

(54) **PHOTOVOLTAIC SHADE SYSTEM**

(57) **CLAIM**

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The ornamental design for a photovoltaic shade system, as shown and described.

(73) Assignee: **PowerLight Corporation**, Berkeley, CA (US)

**DESCRIPTION**

(\*\*) Term: **14 Years**

A photovoltaic shading system made according to the invention may be used as a carport or similar shading and weather-protecting structure.

(21) Appl. No.: **29/177,528**

FIG. 1 is a top, front, left side isometric view of a photovoltaic shade system made according to the invention;

(22) Filed: **Mar. 10, 2003**

FIG. 2 is a top plan view thereof;

(51) **LOC (8) Cl.** ..... **25-02**

FIG. 3 is a front elevational view thereof;

(52) **U.S. Cl.** ..... **D25/56**

FIG. 4 is an enlarged view of the end portion of the photovoltaic shade system of FIG. 3;

(58) **Field of Search** ..... D25/56; 135/87, 135/908

FIG. 5 is a rear plan view thereof;

(56) **References Cited**

FIG. 6 is an enlarged view of the end portion of the photovoltaic shade system of FIG. 4;

**U.S. PATENT DOCUMENTS**

- D225,051 S \* 11/1972 Smithhart ..... D25/56
- D408,554 S 4/1999 Dinwoodie
- D464,437 S \* 10/2002 Ueno et al. .... D25/56
- D481,465 S \* 10/2003 Imai ..... D25/56

FIG. 7 is a bottom plan view thereof;

\* cited by examiner

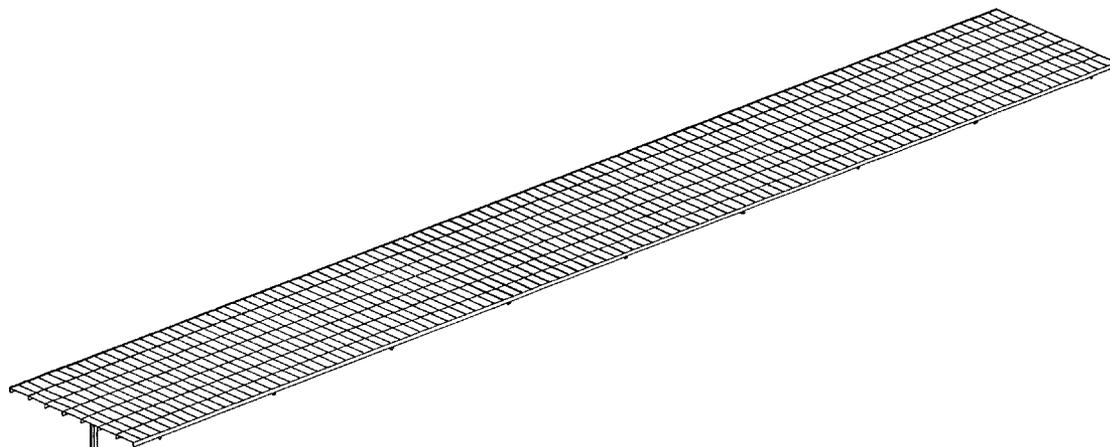
FIG. 8 is an enlarged right side elevational line drawing view thereof, the left side elevational view being a mirror image; FIG. 9 is reduced sized, a bottom, front, left side isometric view thereof; and,

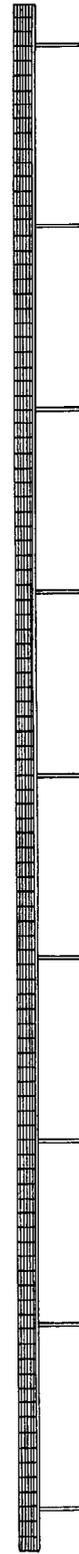
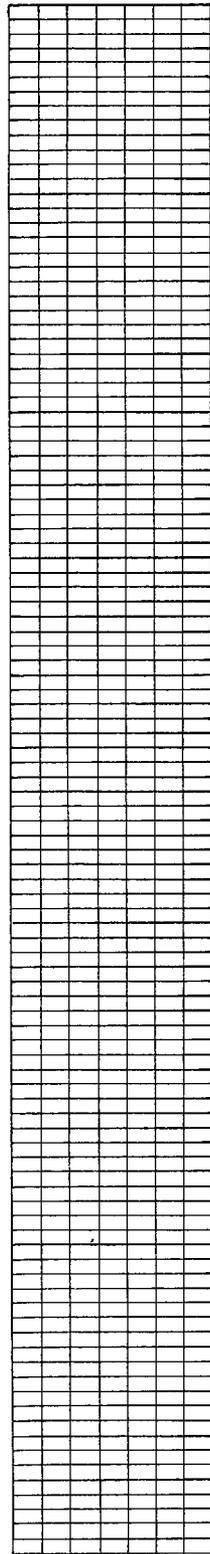
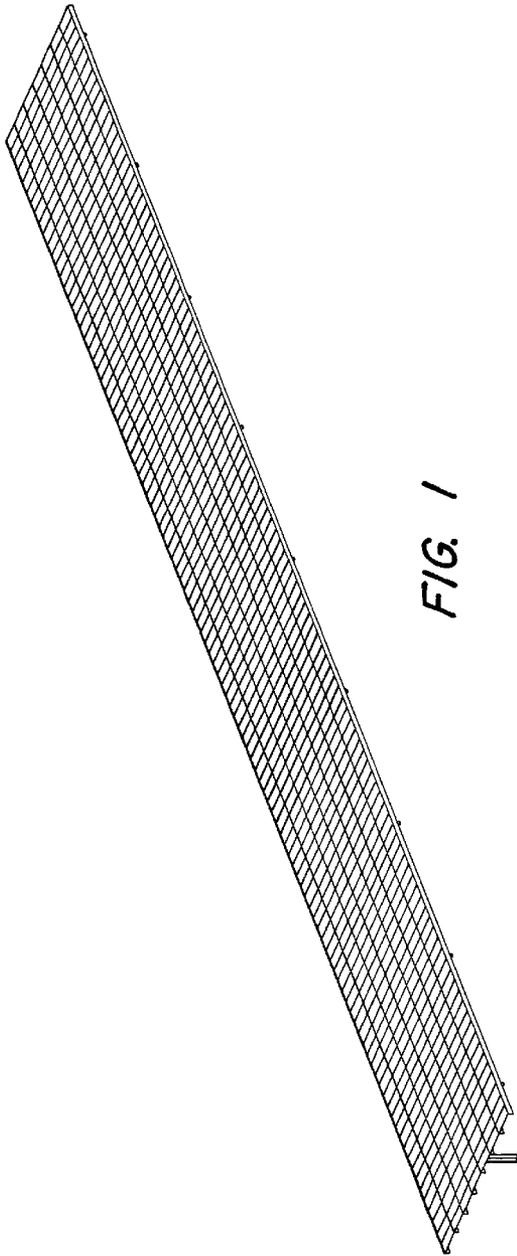
*Primary Examiner*—Doris Clark

FIG. 10 is an enlarged portion of the structure of FIG. 7 illustrating an upper PV panel and a lower, curved protective panel spaced-apart and the end caps on the Z-portions removed to show more detail.

(74) *Attorney, Agent, or Firm*—James F. Hann; Haynes Belfel & Wolfeld LLP

**1 Claim, 5 Drawing Sheets**





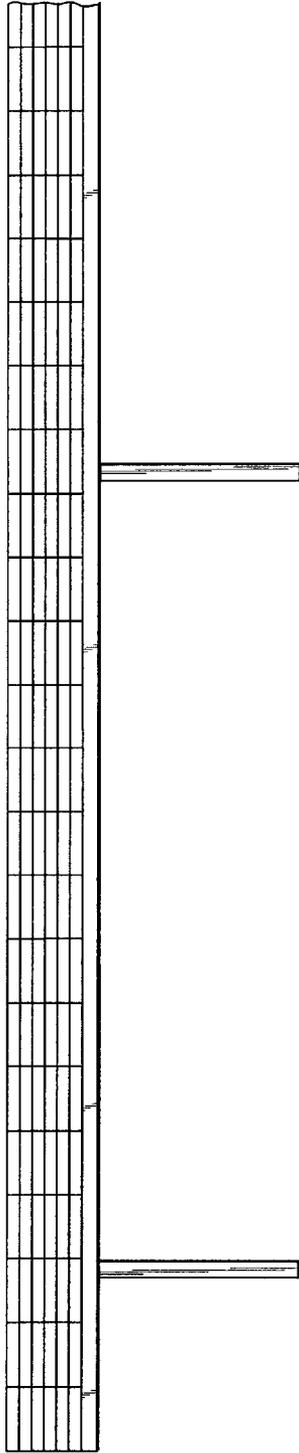


FIG. 4

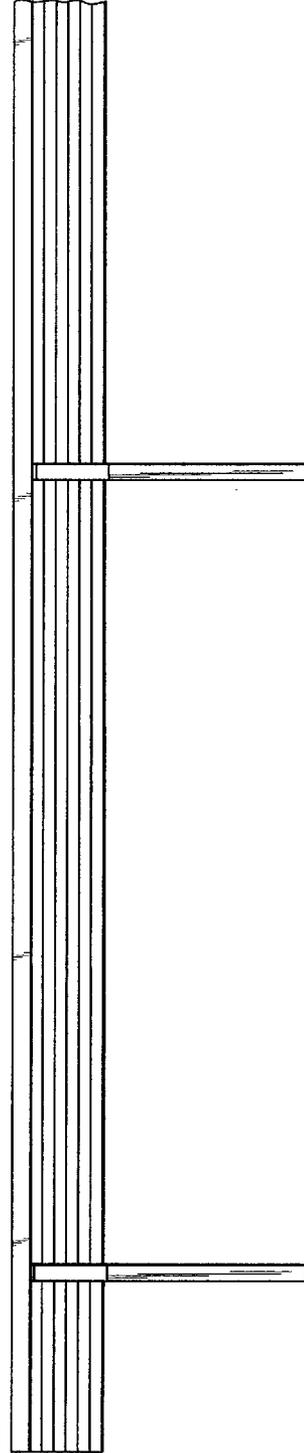


FIG. 6



FIG. 5

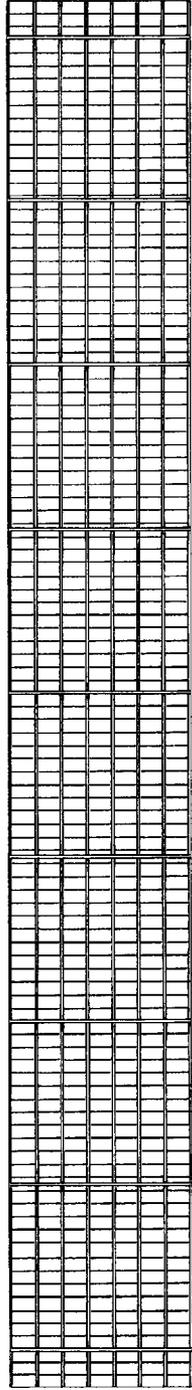


FIG. 7

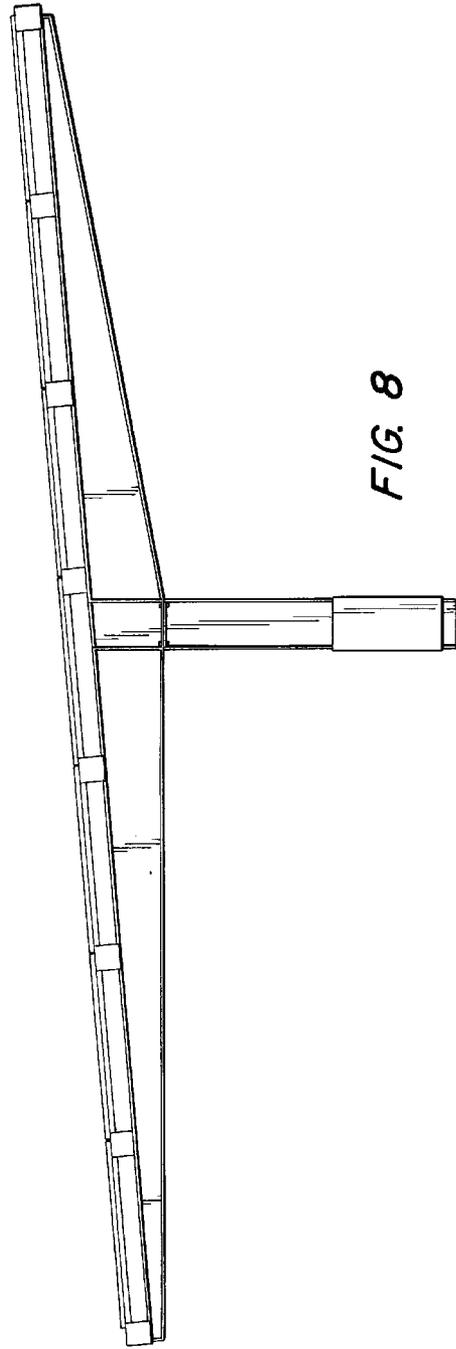


FIG. 8

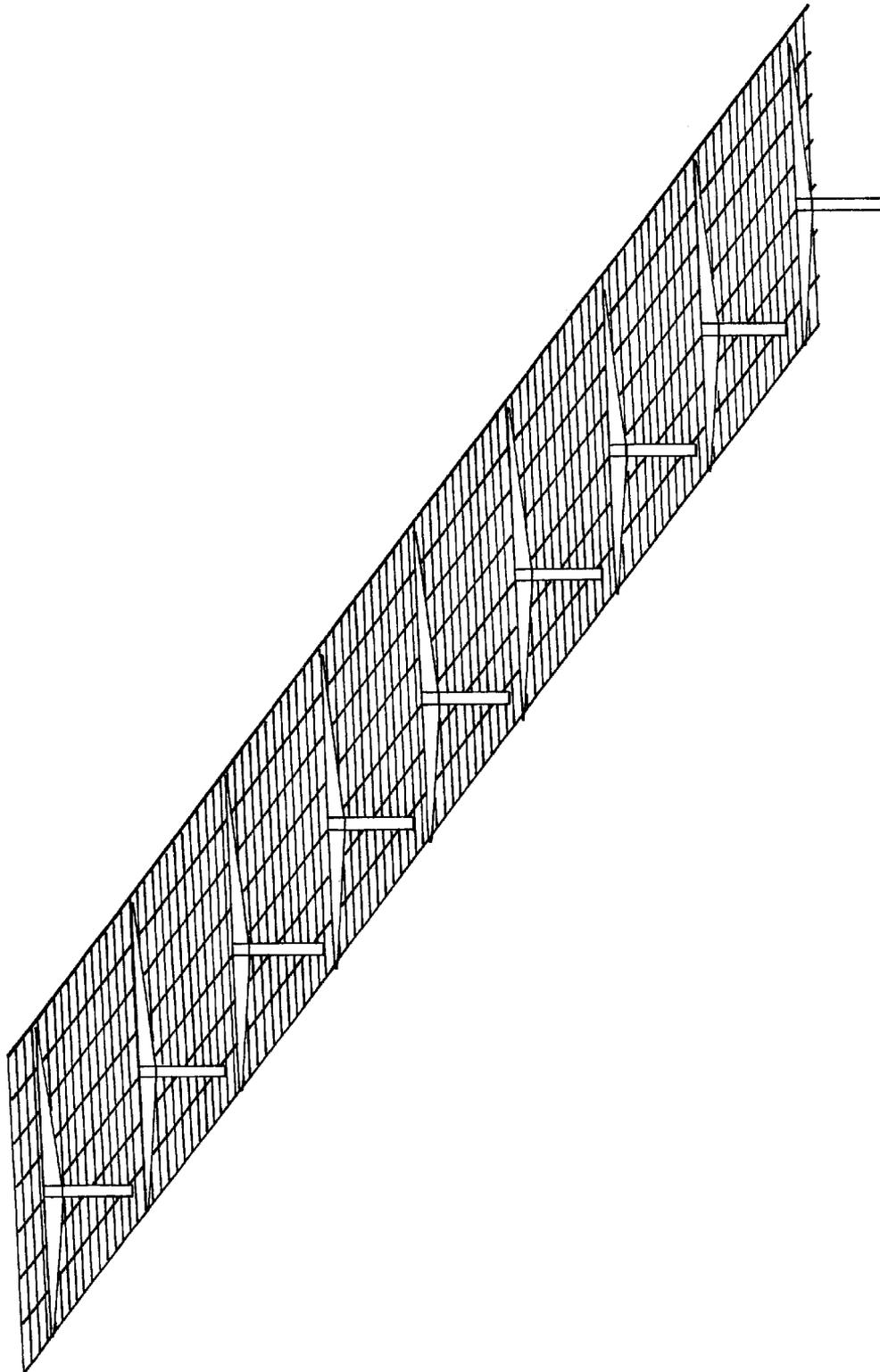


FIG. 9

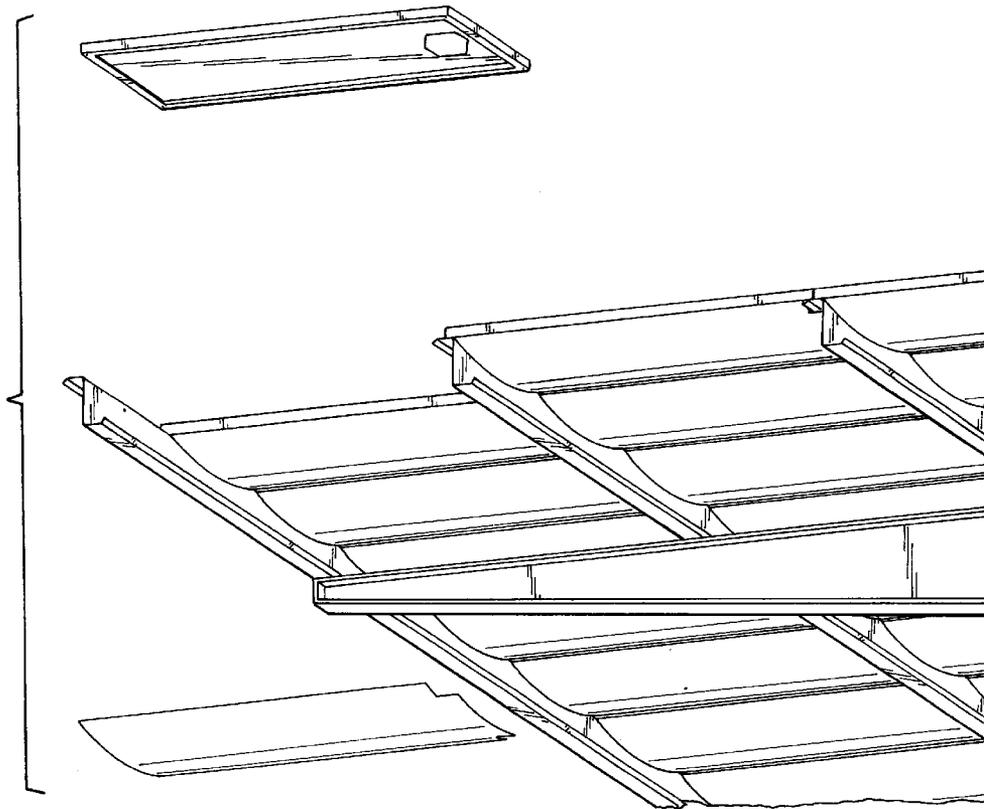


FIG. 10