



US00D378673S

# United States Patent [19]

[11] **Patent Number:** **Des. 378,673**

**Aochi et al.**

[45] **Date of Patent:** **\*\*Apr. 1, 1997**

[54] **GRID STRUCTURE FOR SUPPORTING ANTENNAS AND REFLECTIVE SURFACES IN EXTRATERRESTRIAL SPACE**

5,254,383	10/1993	Harpell et al.	428/113
5,364,491	11/1994	Aochi et al.	156/446
5,372,868	12/1994	Prewo et al.	428/257

[75] Inventors: **Tak Aochi**, Morgan Hill; **Robert J. Pyle**, Sunnyvale, both of Calif.

### FOREIGN PATENT DOCUMENTS

4197896	7/1992	Japan	244/159
---------	--------	-------	---------

[73] Assignee: **Lockheed Missiles and Space Company, Inc.**, Sunnyvale, Calif.

*Primary Examiner*—Kay H. Chin  
*Attorney, Agent, or Firm*—Feix & Feix; Henry J. Groth

[\*\*] Term: **14 Years**

### [57] CLAIM

[21] Appl. No.: **804,342**

The ornamental design for a grid structure for supporting antennas and reflective surfaces in extraterrestrial space, as shown and described.

[22] Filed: **Nov. 22, 1991**

[52] U.S. Cl. .... **D12/345**; D14/230

### DESCRIPTION

[58] Field of Search ..... D12/345; D25/157, D25/153; 244/159; 428/257, 113; 156/446, 173; D14/230

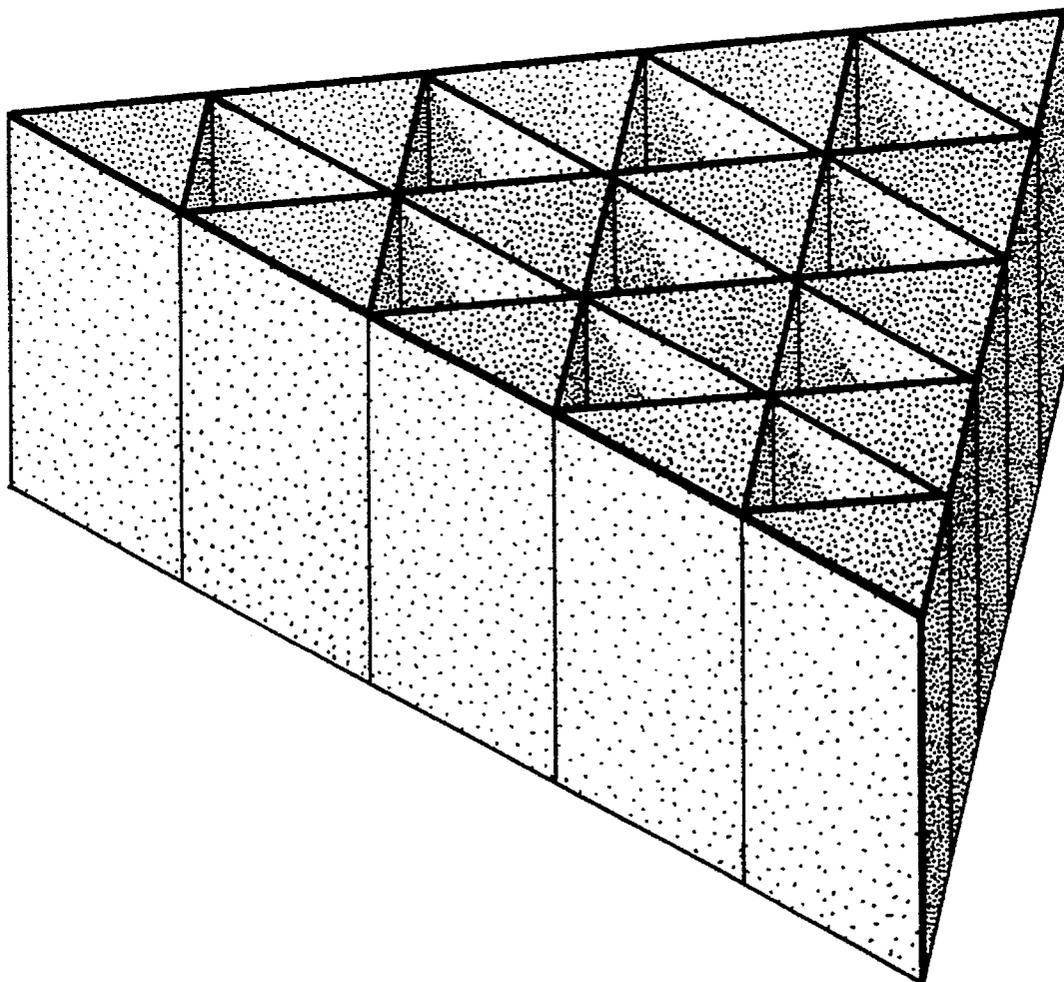
FIG. 1 is a top perspective view of a grid structure for supporting antennas and reflective surfaces in extraterrestrial space showing our new design; and, FIG. 2 is a bottom perspective view thereof.

### [56] References Cited

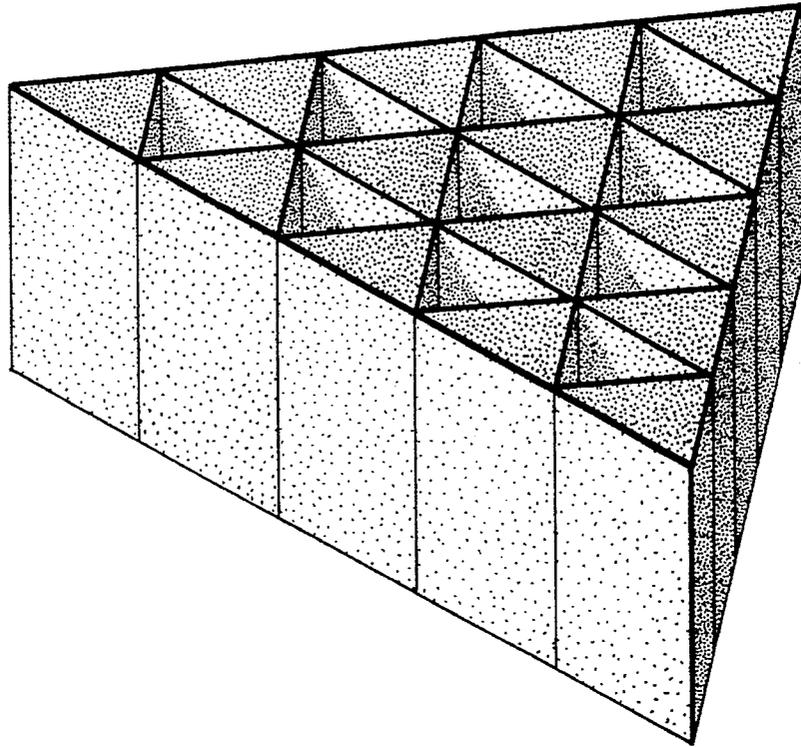
#### U.S. PATENT DOCUMENTS

4,633,566	1/1987	Coppa	244/159
-----------	--------	-------	---------

**1 Claim, 1 Drawing Sheet**



**FIG\_1**



**FIG\_2**

