

US00D946499S

(12) **United States Design Patent** (10) **Patent No.:** **US D946,499 S**  
**Altdorfer** (45) **Date of Patent:** **\*\* Mar. 22, 2022**

(54) **TREE-CROWN-SHAPED SOLAR-PANEL**

D921,574 S \* 6/2021 Vaccaro ..... D13/102  
D924,790 S \* 7/2021 Bevilacqua ..... D13/102  
D925,441 S \* 7/2021 Nakano ..... D13/102

(71) Applicant: **Balint Altdorfer**, Belpre, OH (US)

(72) Inventor: **Balint Altdorfer**, Belpre, OH (US)

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

(21) Appl. No.: **29/752,386**

(22) Filed: **Sep. 27, 2020**

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

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

(58) **Field of Classification Search**

USPC ..... D13/101, 102, 103, 107, 108, 184, 199;  
D28/7, 8; D24/189; D8/16, 19, 47,  
D8/82-86, 90; D2/914, 915, 908, 947,  
D2/951-953, 957, 958, 960; D7/678;  
D32/40, 45, 46, 50-52; D21/449;  
D14/230; D9/429, 434  
CPC ..... H01L 31/00; H01L 31/18; H01L 31/042;  
H01L 31/045; H01L 31/048; H01L  
31/053; H01L 31/054; H01L 31/0475;  
H01L 31/0485; H01M 10/052; H01M  
10/465; H02S 30/10; H02S 30/20; H02S  
30/40; H02S 30/42; H02S 30/50; H02S  
30/52; Y02E 10/50; Y02E 10/52; F21S  
8/006; F21S 8/081; F21S 8/083; F21S  
8/088

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D782,971 S \* 4/2017 Franchini ..... D13/102  
D797,039 S \* 9/2017 Geisenheimer ..... D13/102  
D806,012 S \* 12/2017 Lakamp ..... D13/102  
D817,862 S \* 5/2018 Cameron ..... D13/102  
D830,125 S \* 10/2018 Wu ..... D7/507  
D848,361 S \* 5/2019 Vaccaro ..... D13/102  
D855,492 S \* 8/2019 Jones ..... D11/131  
D865,660 S \* 11/2019 Jing ..... D13/102  
D899,352 S \* 10/2020 Gong ..... D13/102  
D916,005 S \* 4/2021 Krantz ..... D13/102

**OTHER PUBLICATIONS**

“Solar Panels.”(Design—© Questel) orbit.com. [Online PDF compilation of references] 44 pgs. Print Dates Range Nov. 4, 2020-Jan. 30, 2019 [Retrieved Sep. 8, 2021].\*  
“Solar Deck Light, Big Solar Charging Panel.” Sep. 26, 2019. Amazon. [https://www.amazon.com/Solar-Charging-Pathway-Driveway-Garden/dp/B07YDPNJW9/ref=sr\\_1\\_1\\_sspa?dchild=1&keywords=garden+solar+panel&qid=1631142172&sr=8-1-spons&psc=1&spLa=ZW5jenIwdGVkUXVhbGlmaWVyPUFTTRTQ5WFc5UIhSM1omZW5jcnlwd.](https://www.amazon.com/Solar-Charging-Pathway-Driveway-Garden/dp/B07YDPNJW9/ref=sr_1_1_sspa?dchild=1&keywords=garden+solar+panel&qid=1631142172&sr=8-1-spons&psc=1&spLa=ZW5jenIwdGVkUXVhbGlmaWVyPUFTTRTQ5WFc5UIhSM1omZW5jcnlwd.)\*  
“Solar Driveway Lights.” Jun. 14, 2019. Amazon. [https://www.amazon.com/dp/B07SZL3K4K/ref=sspa\\_dk\\_detail\\_4?psc=1&pd\\_rd\\_i=B07SZL3K4K&pd\\_rd\\_w=HiwsH&pf\\_rd\\_p=5d846283-ed3e-4512-a744-a30f97c5d738&pd\\_rd\\_wg=WAcN&pf\\_rd\\_r=Z4PM45WNGTYYNRB01DNZ&pd\\_rd\\_r=6a8ba4dc-e2d6-4fc2-9e96-10af0823ffba&spLa.](https://www.amazon.com/dp/B07SZL3K4K/ref=sspa_dk_detail_4?psc=1&pd_rd_i=B07SZL3K4K&pd_rd_w=HiwsH&pf_rd_p=5d846283-ed3e-4512-a744-a30f97c5d738&pd_rd_wg=WAcN&pf_rd_r=Z4PM45WNGTYYNRB01DNZ&pd_rd_r=6a8ba4dc-e2d6-4fc2-9e96-10af0823ffba&spLa.)\*  
“Siedinlar Solar Deck Lights.” May 21, 2018. Amazon. [https://www.amazon.com/Siedinlar-Solar-Deck-Lights-Waterproof/dp/B07D6P8PTW/ref=pd\\_di\\_sccai\\_2/141-4877602-3041268?pd\\_rd\\_w=9oWhO&pf\\_rd\\_p=c9443270-b914-4430-a90b-72e3e7e784e0&pf\\_rd\\_r=V2MTY0NBjAJHDJ5Y0FZN&pd\\_rd\\_r=4c49e3b3-b0c0-497f-ac78.](https://www.amazon.com/Siedinlar-Solar-Deck-Lights-Waterproof/dp/B07D6P8PTW/ref=pd_di_sccai_2/141-4877602-3041268?pd_rd_w=9oWhO&pf_rd_p=c9443270-b914-4430-a90b-72e3e7e784e0&pf_rd_r=V2MTY0NBjAJHDJ5Y0FZN&pd_rd_r=4c49e3b3-b0c0-497f-ac78.)\*

\* cited by examiner

*Primary Examiner* — Manpreet S Matharu

*Assistant Examiner* — Suzanne E Tisdell

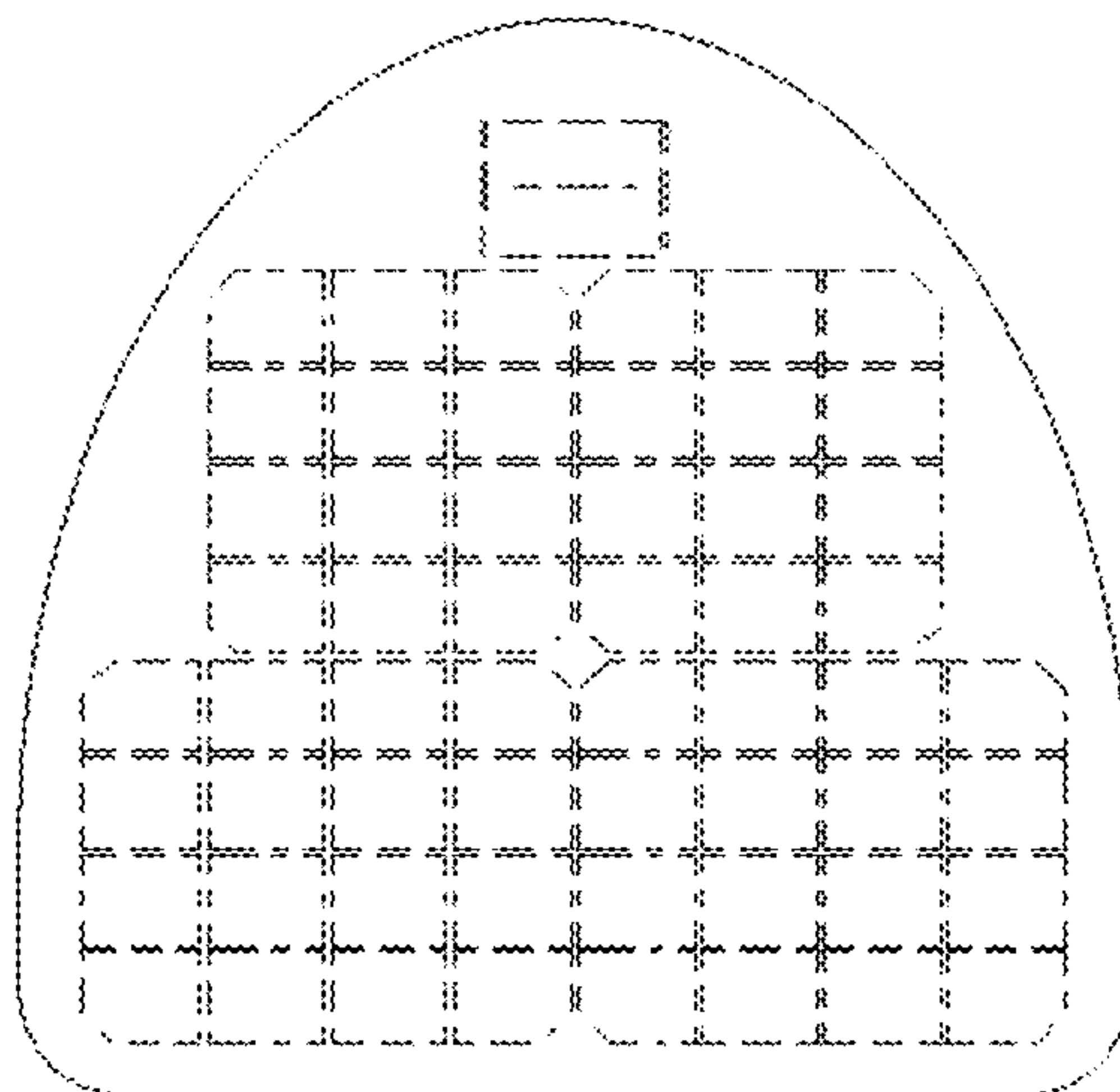
(57) **CLAIM**

I claim the ornamental design for a “tree-crown-shaped solar panel”, as shown as described.

**DESCRIPTION**

FIG. 1 discloses the front view of tree-crown-shaped solar-panel.  
FIG. 2 discloses top view of tree-crown-shaped solar-panel; and,  
FIG. 3 discloses side view of tree-crown-shaped solar-panel.

(Continued)



The broken lines and the plus(+) and minus(-) signs shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**

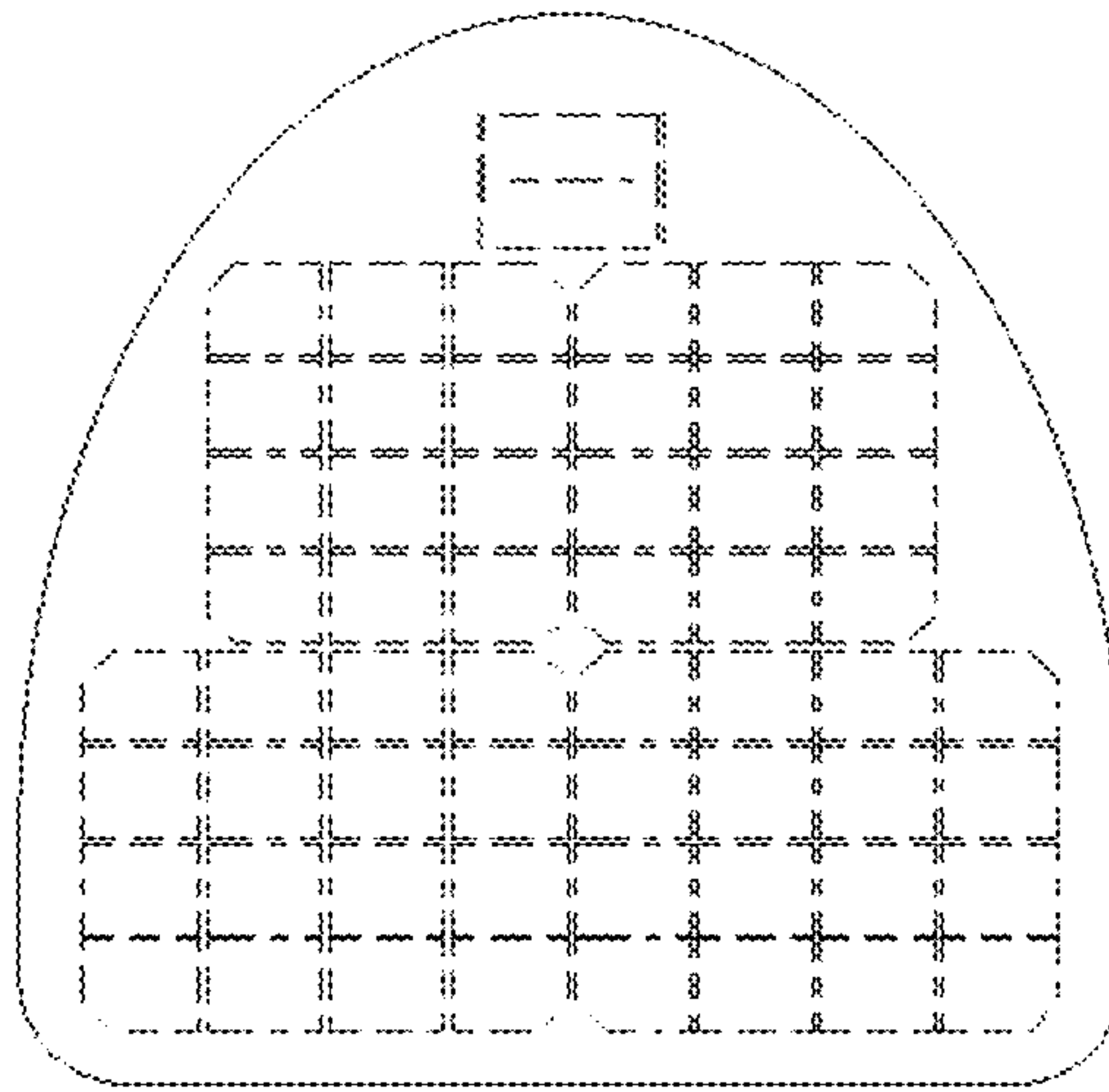


FIG. 1

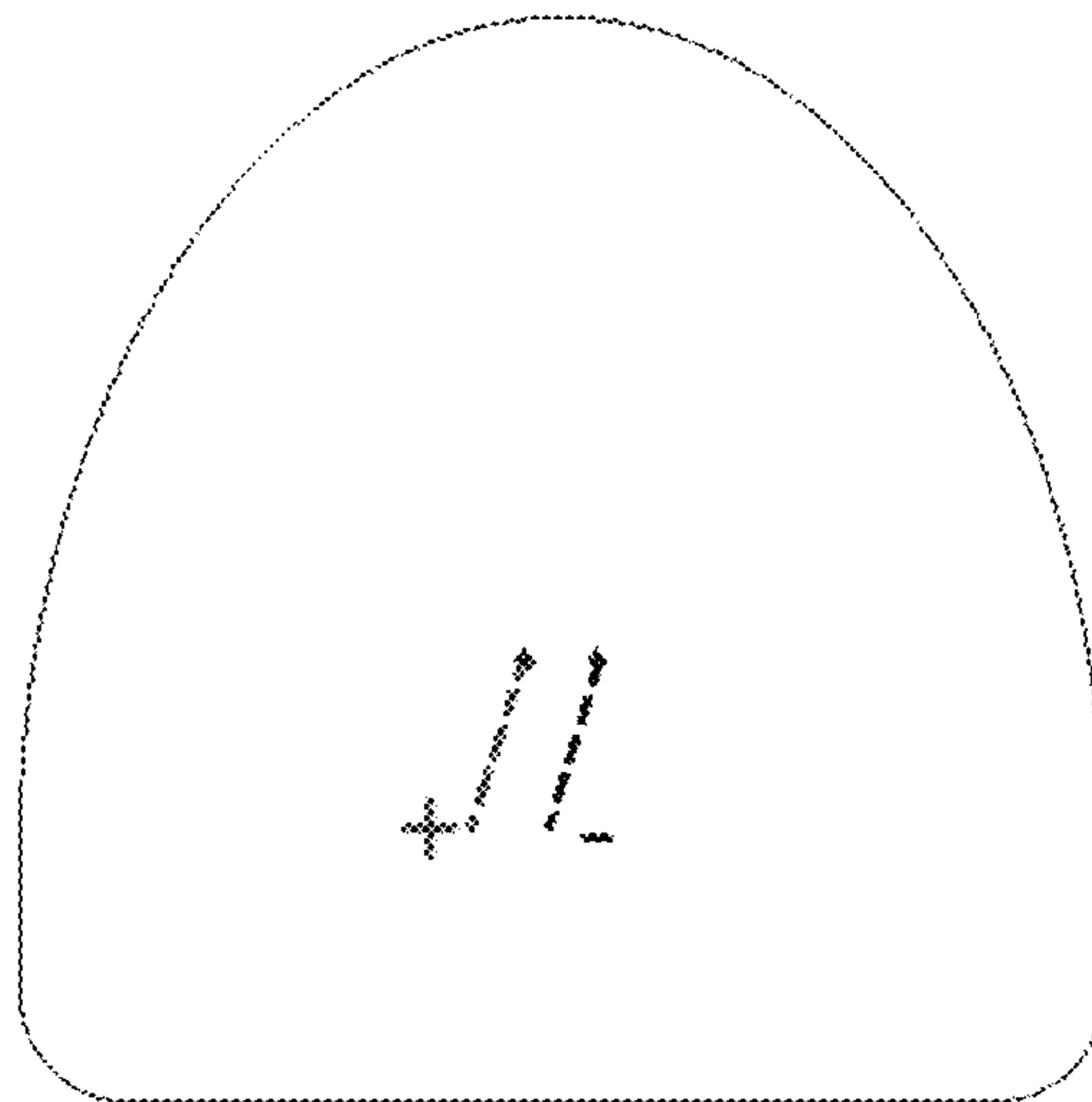


FIG. 2



FIG. 3