



US00D784256S

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

(10) **Patent No.:** **US D784,256 S**  
(45) **Date of Patent:** **\*\* Apr. 18, 2017**

- (54) **MOSAIC SOLAR CELL**
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D558,139 S	12/2007	Sharma et al.	
D590,768 S	4/2009	Feng et al.	
7,732,705 B2 *	6/2010	Stan .....	H01L 31/02242 136/243
7,902,451 B2	3/2011	Shimizu	
7,902,510 B2	3/2011	Mann et al.	
D641,692 S *	7/2011	Wharram .....	D13/102
8,049,096 B2 *	11/2011	Yagiura .....	H01L 31/0352 136/244
8,222,523 B2	7/2012	Antaya	
D667,370 S	9/2012	Arletti	
D674,396 S *	1/2013	Yang .....	D14/447
8,373,613 B2	2/2013	Lin et al.	
8,424,830 B2 *	4/2013	Yang .....	A47B 23/044 248/459

(Continued)

- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/571,405**
- (22) Filed: **Jul. 18, 2016**
- (51) **LOC (10) Cl.** ..... **13-02**
- (52) **U.S. Cl.**  
USPC ..... **D13/102**
- (58) **Field of Classification Search**  
USPC ..... D10/104.1; D13/101, 102, 103, 107,  
D13/109, 118, 119, 184, 199; D14/371,  
D14/432, 439, 441, 447, 451; D21/480,  
D21/484; D25/109, 140, 144  
CPC .. F21S 8/086; F21S 8/088; F21S 9/032; F21S  
9/035; H01L 31/02008; H01L 31/0201;  
H01L 31/042; H01L 31/022425; H01L  
31/18  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D108,659 S *	3/1938	Koerschgen .....	273/157 R
D275,876 S	10/1984	Everett	
D442,139 S	5/2001	Sasaoka	

FOREIGN PATENT DOCUMENTS

EP	1855325 A1	11/2007
JP	2001203380 A	7/2011
JP	2012174871 A	9/2012

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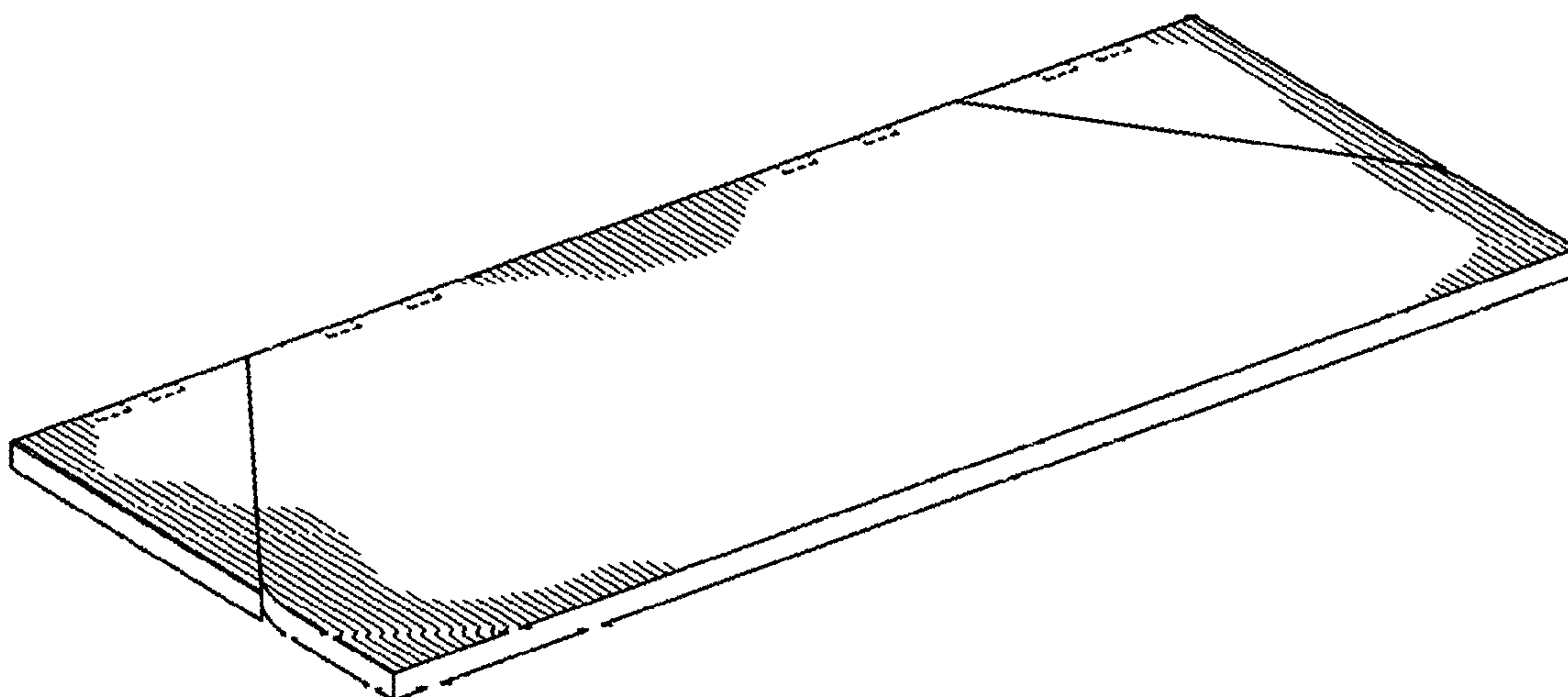
(57) **CLAIM**

The ornamental design for a mosaic solar cell, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a mosaic solar cell showing our new design;  
FIG. 2 is a top plan view of the mosaic solar cell of FIG. 1;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a front elevation view thereof;  
FIG. 5 is a rear elevation view thereof;  
FIG. 6 is a left side elevation view thereof; and,  
FIG. 7 is a right side elevation view thereof.  
The broken lines shown in the drawings illustrate portions of the mosaic solar cell that form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

8,563,847 B2 \* 10/2013 Meyer ..... G05F 1/46  
136/244  
8,829,328 B2 9/2014 Silverstein  
8,853,527 B2 10/2014 Hieslmair  
D742,306 S \* 11/2015 Tohoda ..... D13/102  
D765,024 S \* 8/2016 Crist ..... D13/102  
D772,802 S \* 11/2016 Haas ..... D13/102  
D772,803 S \* 11/2016 Haas ..... D13/102  
2007/0261731 A1 \* 11/2007 Abe ..... H01L 31/03528  
136/244  
2010/0294333 A1 11/2010 Wang et al.  
2011/0061706 A1 3/2011 Park et al.  
2011/0061716 A1 3/2011 Myong  
2013/0068278 A1 3/2013 Kataoka  
2016/0359079 A1 \* 12/2016 Clevenger ..... H01L 31/049

\* cited by examiner

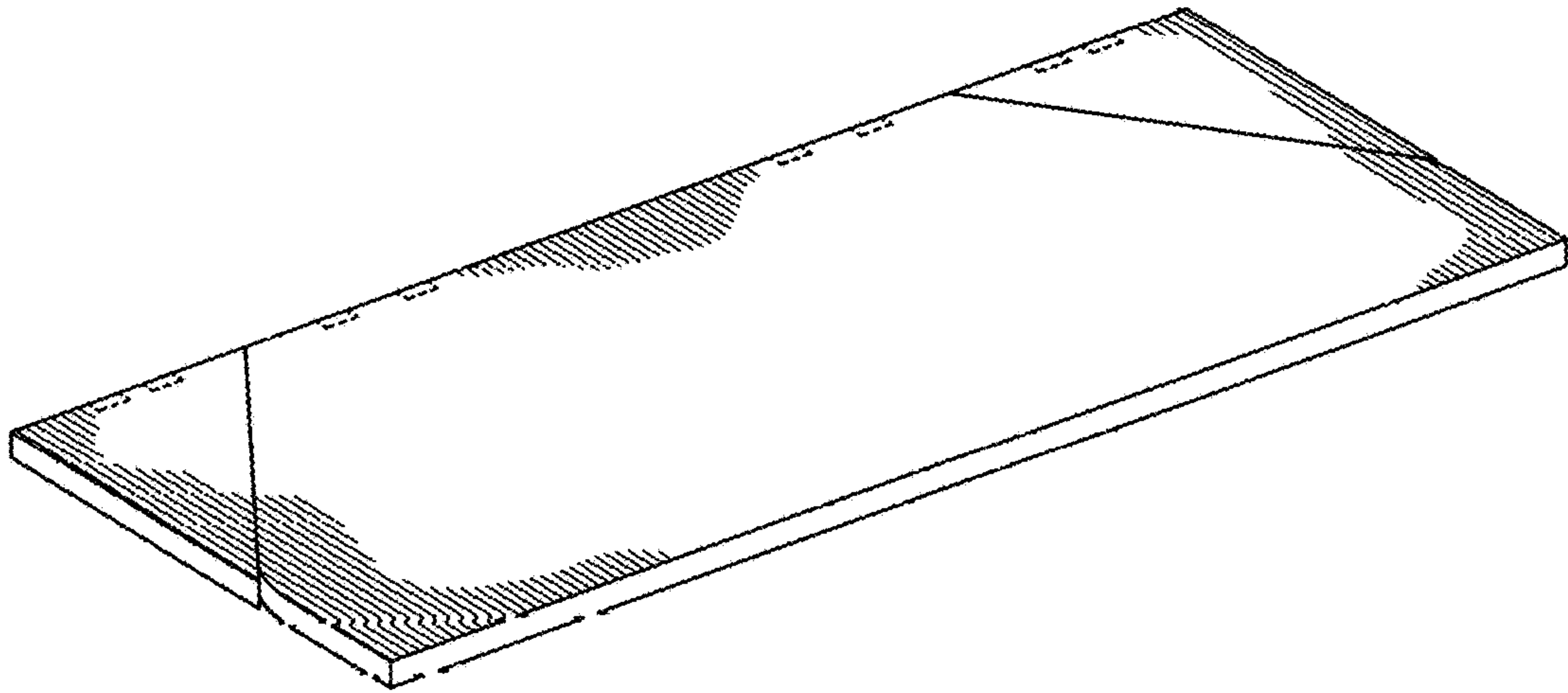


FIG. 1

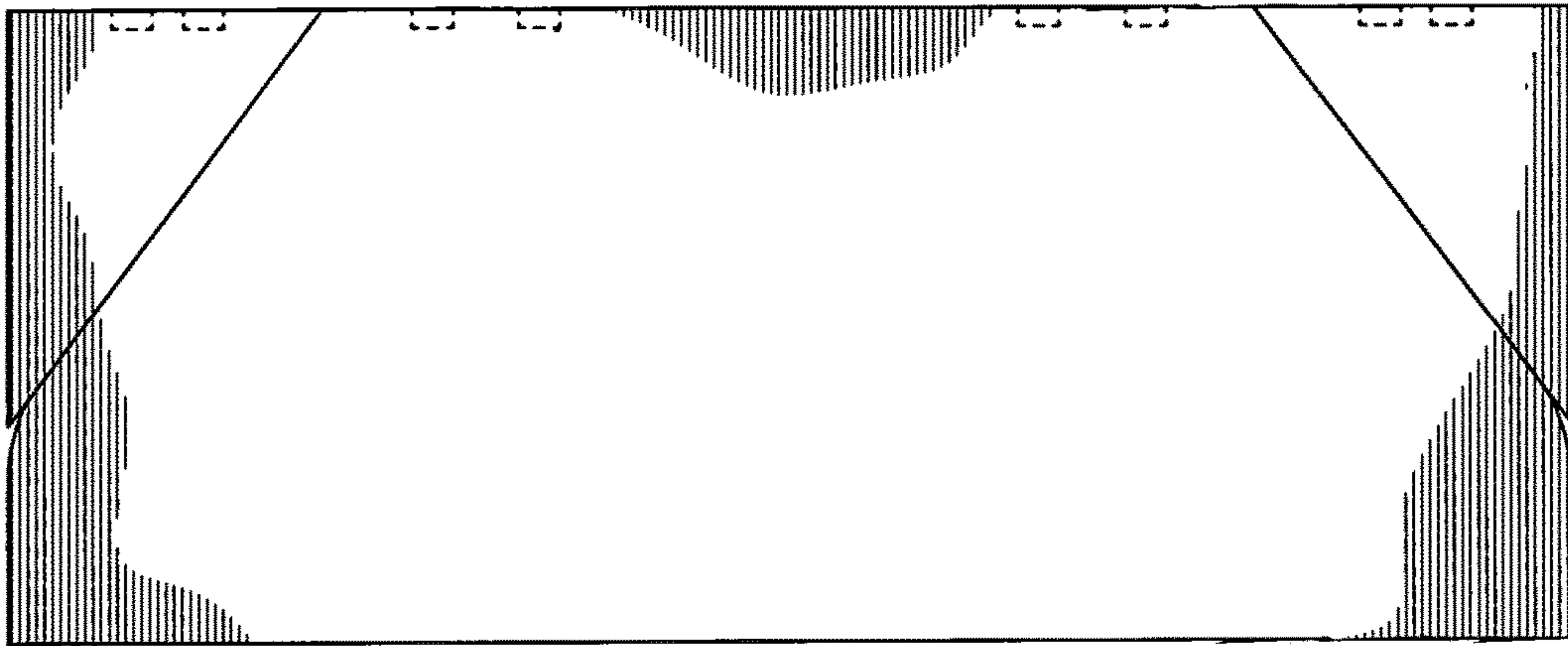


FIG. 2

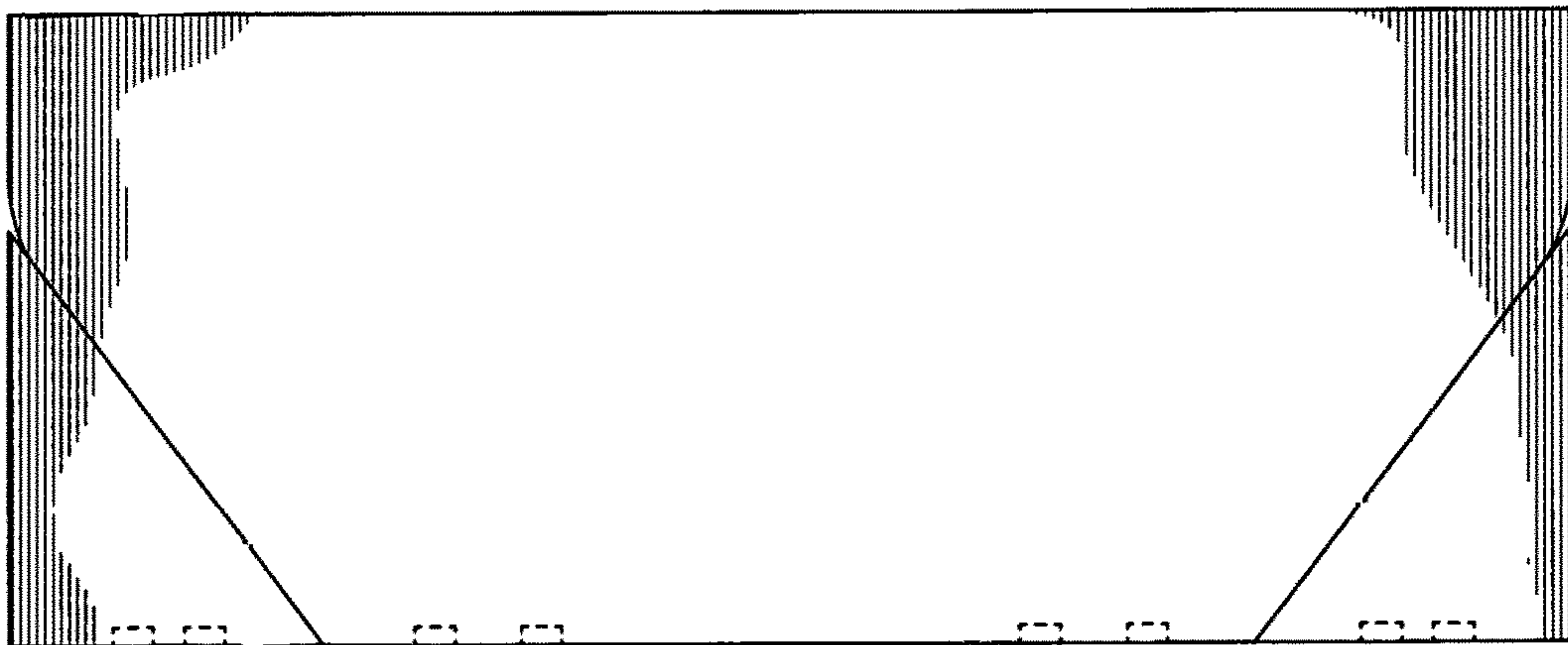


FIG. 3

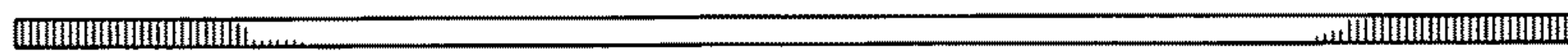


FIG. 4



FIG. 5



FIG. 6

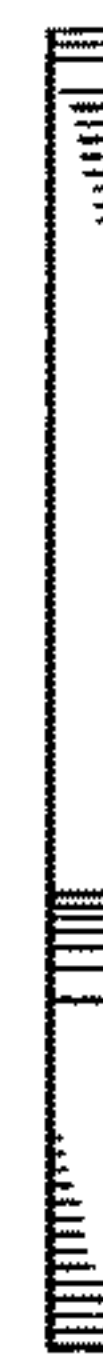


FIG. 7