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(12) United States Design Patent

Vasylyev

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(54) **OPTICAL LENS ARRAY LIGHTGUIDE PLATE**

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

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(51) **LOC (10) Cl.** **26-99**

(52) **U.S. Cl.**
USPC **D26/120**

(58) **Field of Classification Search**
USPC D26/120, 113, 118, 119, 121, 122, 124, D26/125, 128, 64, 24, 93, 76, 44, 63
CPC F21Y 201/02; F21Y 2103/003; F21Y 2105/001; F21Y 2105/003; F21Y 2105/008; F21Y 2111/001; F21Y 2113/007; F21V 5/04; F21V 5/004; F21V 5/045; F21V 7/041; F21W 2131/103; F21K 9/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,338,654 A * 1/1944 MacNeille 359/456
2,531,399 A * 11/1950 Cawein et al. 348/781
(Continued)

Primary Examiner — Kevin Rudzinksi

(57) **CLAIM**

The ornamental design for an optical lens array lightguide plate, as shown and described.

DESCRIPTION

FIG. **1** is a perspective fragmentary view of an optical lens array lightguide plate showing my new design, wherein bounds for the plate of the fragmentary view are shown in broken lines which are for illustrative purposes to indicate indeterminate length and width only and form no part of the claimed design, it being understood that the lens array pattern is uniformly continuous over the top surface of the plate and the prismatic grove pattern is uniformly continuous over the bottom surface of the plate;

FIG. **2** is a front elevational view thereof, the rear elevational view being identical;

FIG. **3** is a left side elevational view thereof, the right side elevational view being identical;

FIG. **4** is a top plan view thereof;

FIG. **5** is a bottom plan view thereof;

FIG. **6** is a perspective fragmentary view of an alternative embodiment of my design, wherein bounds of the fragmentary view are shown in broken lines which are for illustrative purposes to indicate indeterminate length and width only and form no part of the claimed design;

FIG. **7** is a front elevational view of the alternative embodiment of FIG. **6**;

FIG. **8** is a rear elevational view of the alternative embodiment of FIG. **6**;

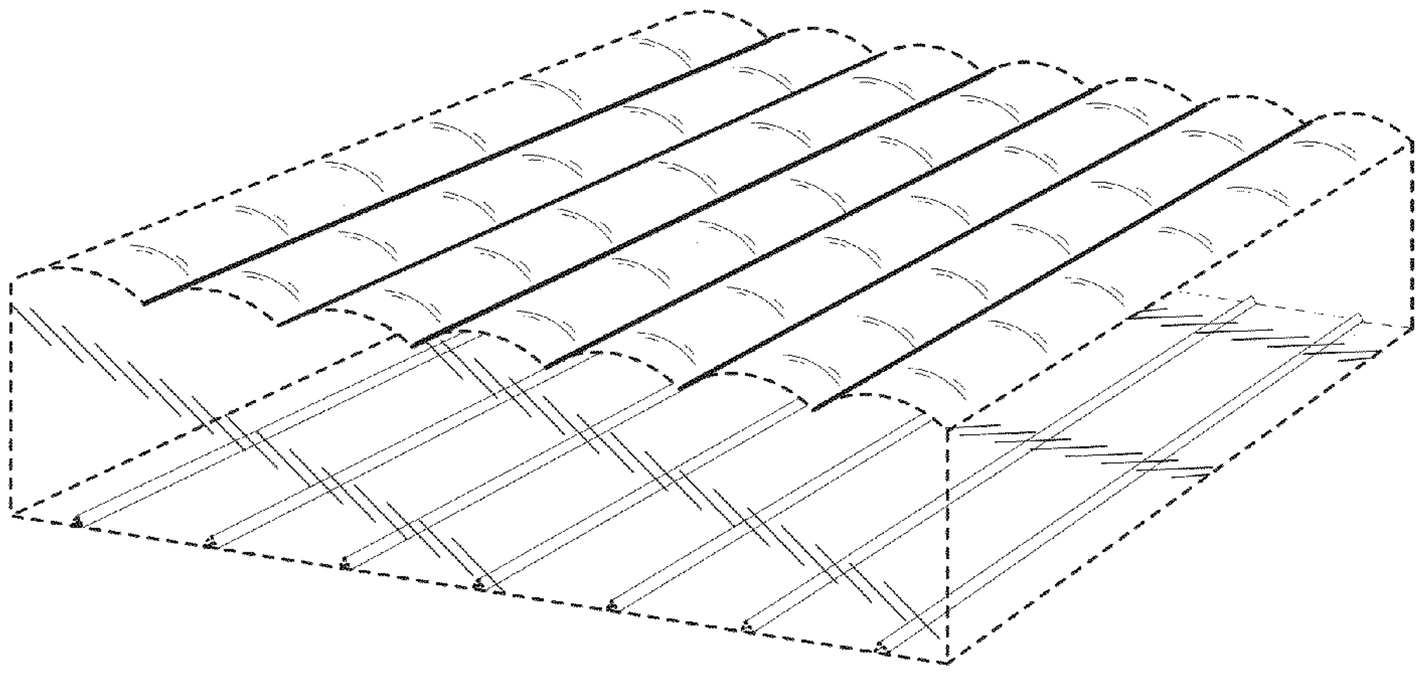
FIG. **9** is a left side elevational view of the alternative embodiment of FIG. **6**, the right side elevational view being identical;

FIG. **10** is a top plan view of the alternative embodiment of FIG. **6**; and,

FIG. **11** is a bottom plan view of the alternative embodiment of FIG. **6**.

Any portion not shown in the drawings forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2,618,198	A *	11/1952	Luboshez	359/456
2,736,235	A *	2/1956	Toulon	359/710
3,264,164	A *	8/1966	Jerothe et al.	428/29
D223,386	S	4/1972	Stahlhut et al.	
3,791,712	A *	2/1974	Miyagi	359/455
3,966,301	A *	6/1976	Brown	359/455
4,012,115	A *	3/1977	Brown	359/455
4,054,907	A *	10/1977	Itoh et al.	348/780
4,164,748	A *	8/1979	Nagata	348/59
4,387,959	A *	6/1983	Lange et al.	359/456
4,725,134	A *	2/1988	Ogino	353/74
4,919,518	A *	4/1990	Ogino et al.	359/457
D315,422	S	3/1991	Claytor et al.	
5,161,041	A *	11/1992	Abileah et al.	349/62
5,365,369	A *	11/1994	Ogino et al.	359/457
5,485,308	A *	1/1996	Hirata et al.	359/457
5,519,539	A *	5/1996	Hoopman et al.	359/741
5,600,455	A *	2/1997	Ishikawa et al.	349/57
5,642,226	A *	6/1997	Rosenthal	359/619
5,731,883	A *	3/1998	Morton et al.	358/451
5,870,225	A *	2/1999	Ogino et al.	359/457
5,933,228	A *	8/1999	Taylor et al.	356/124
5,944,405	A *	8/1999	Takeuchi et al.	362/617
5,969,867	A *	10/1999	Fukushima et al.	359/581
RE36,614	E *	3/2000	Lumbard et al.	313/500
6,091,479	A *	7/2000	Frosig et al.	355/22
6,091,547	A *	7/2000	Gardiner et al.	359/625
D429,895	S	8/2000	Bravenec et al.	
6,130,777	A *	10/2000	Yamashita et al.	359/456
6,151,162	A *	11/2000	Van De Ven	359/443
6,185,042	B1 *	2/2001	Lomb et al.	359/619
6,292,295	B1 *	9/2001	Yamashita et al.	359/460
6,424,467	B1 *	7/2002	Goggins	359/626
6,597,502	B2 *	7/2003	Takahashi et al.	359/456
D499,835	S	12/2004	Yu et al.	
6,989,931	B2 *	1/2006	Rosenthal	359/619
D517,725	S	3/2006	Egawa et al.	
7,075,725	B2 *	7/2006	Tomczyk	359/619
7,106,517	B2 *	9/2006	Olczak	359/599
7,153,047	B2 *	12/2006	Goggins	400/70
7,237,930	B2 *	7/2007	Onishi et al.	362/333
D569,543	S	5/2008	Toda	
7,448,776	B2 *	11/2008	Tang	362/339
7,480,100	B1 *	1/2009	Raymond et al.	359/626
D608,806	S	1/2010	Chern et al.	
D608,807	S	1/2010	Chern et al.	
D609,260	S	2/2010	Chern et al.	
7,675,682	B2 *	3/2010	Lee et al.	359/625
D616,478	S	5/2010	Wei et al.	
7,744,263	B2 *	6/2010	Bottomley	362/618
7,777,832	B2 *	8/2010	Richard et al.	349/64
D623,674	S	9/2010	Wei et al.	
7,832,915	B2 *	11/2010	Ito	362/613
7,873,256	B2 *	1/2011	Gardiner et al.	385/146
8,096,669	B2 *	1/2012	Ito et al.	362/97.2
8,152,320	B2 *	4/2012	Goto	362/97.3
8,294,992	B2 *	10/2012	Poulsen	359/624
8,308,314	B2 *	11/2012	Goto	362/97.3
8,331,031	B2 *	12/2012	Hoffman et al.	359/621
8,351,125	B2 *	1/2013	Lin et al.	359/641
8,400,714	B2 *	3/2013	Howe	359/627
D679,444	S *	4/2013	Vasylyev	D26/120
RE44,370	E *	7/2013	Tomczyk	359/619
8,474,874	B2 *	7/2013	Hoffman et al.	283/94
8,579,467	B1 *	11/2013	Szeto	362/246
8,582,208	B2 *	11/2013	Van Den Berg	359/626
8,588,574	B2 *	11/2013	Gardiner et al.	385/146
8,690,373	B2 *	4/2014	Epstein et al.	362/97.2
2004/0246599	A1 *	12/2004	Nilsen	359/831
2005/0141844	A1 *	6/2005	Olczak	385/146
2005/0237749	A1 *	10/2005	Epstein et al.	362/330
2005/0286134	A1 *	12/2005	Goggins	359/619
2006/0018026	A1 *	1/2006	Bastawros et al.	359/619
2006/0082877	A1 *	4/2006	Wang	359/455
2006/0198144	A1 *	9/2006	Miyairi et al.	362/257
2006/0238875	A1 *	10/2006	Hwang et al.	359/622
2009/0147179	A1 *	6/2009	Yamashita et al.	349/64
2009/0296406	A1 *	12/2009	Teng et al.	362/309
2010/0046200	A1 *	2/2010	Kuo	362/97.1

* cited by examiner

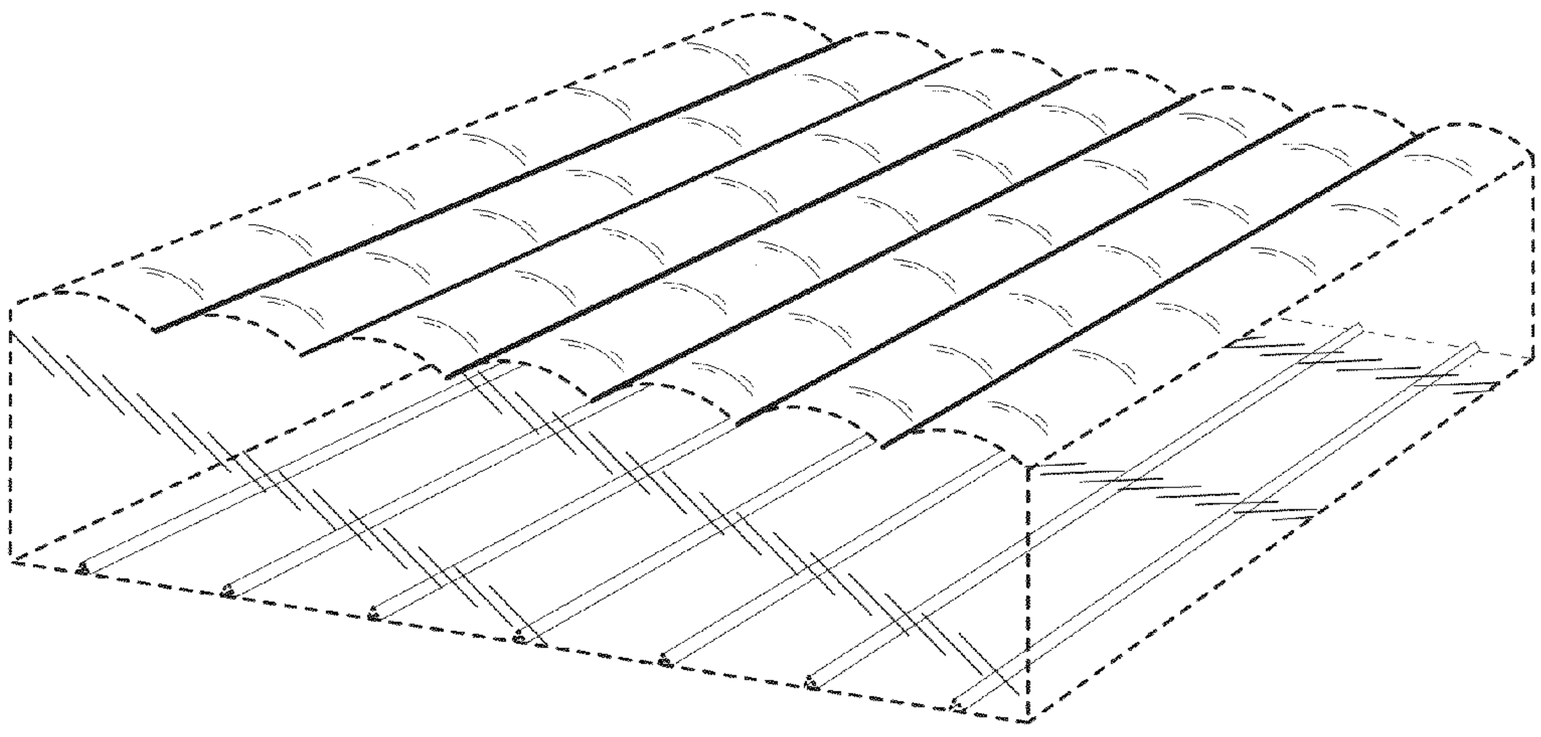


FIG. 1

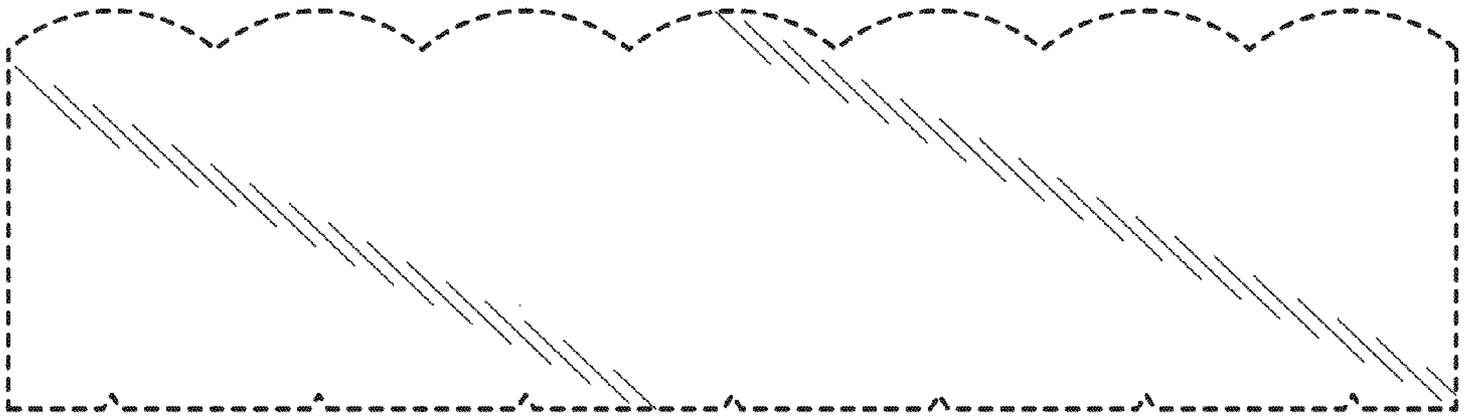


FIG. 2

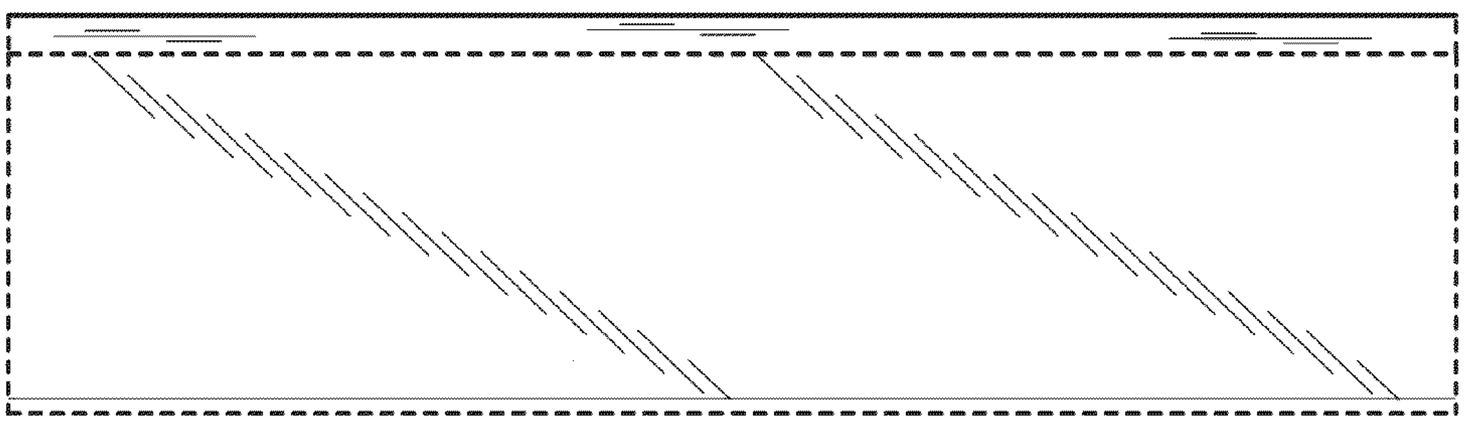


FIG. 3

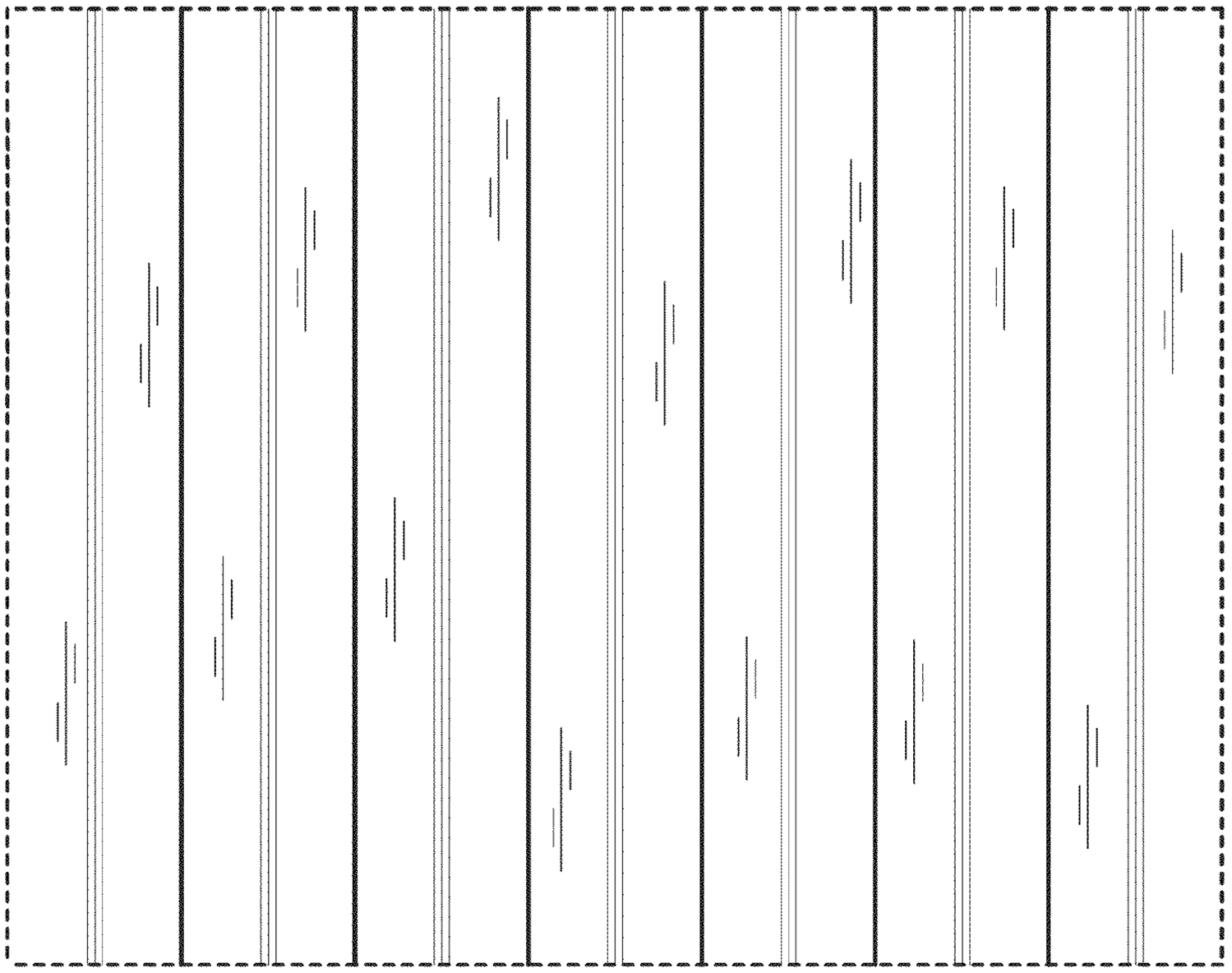


FIG. 4

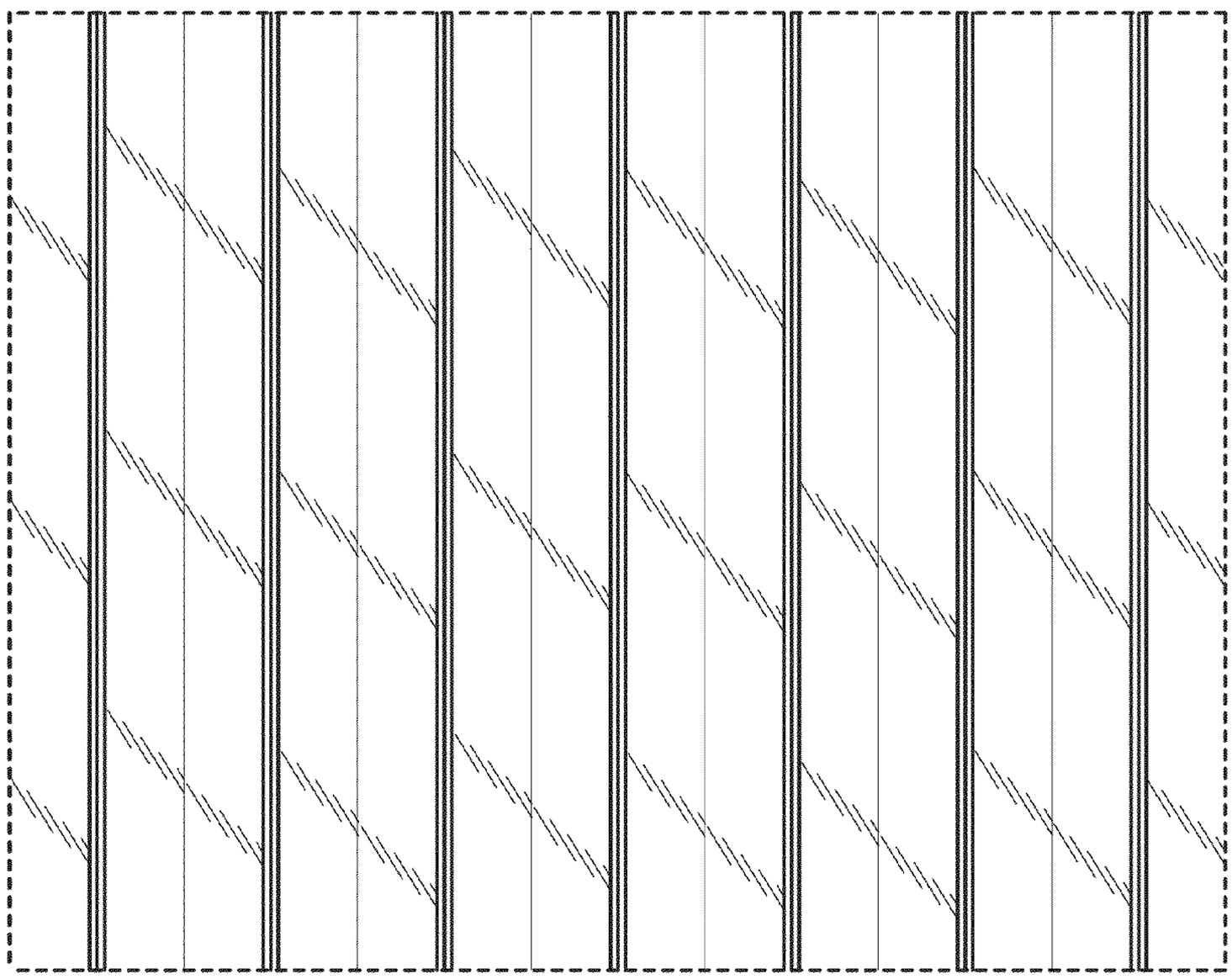


FIG. 5

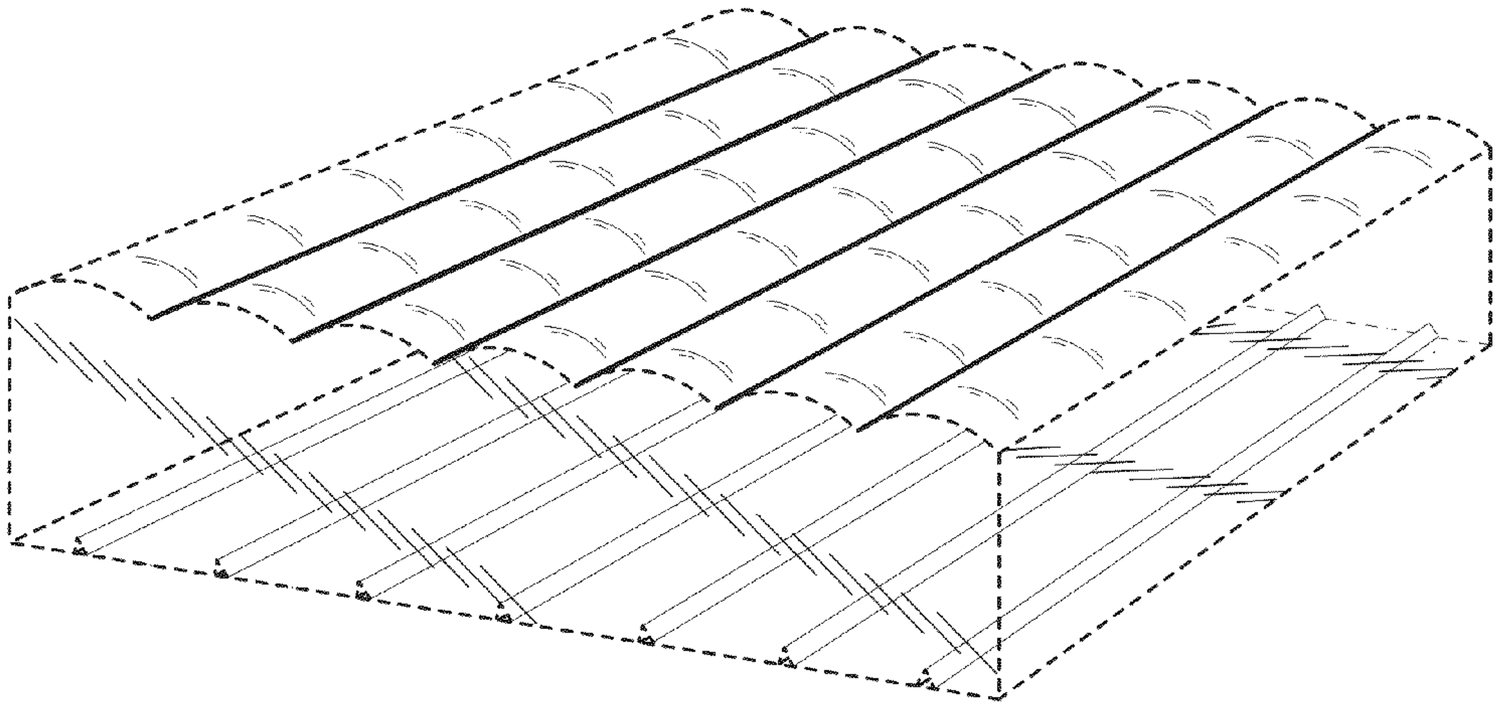


FIG. 6

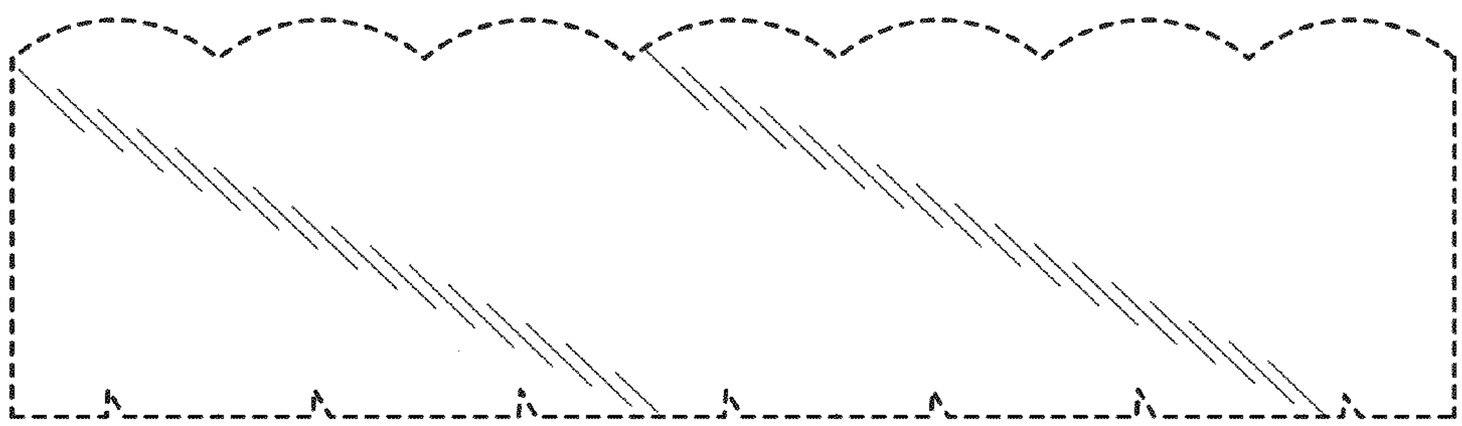


FIG. 7

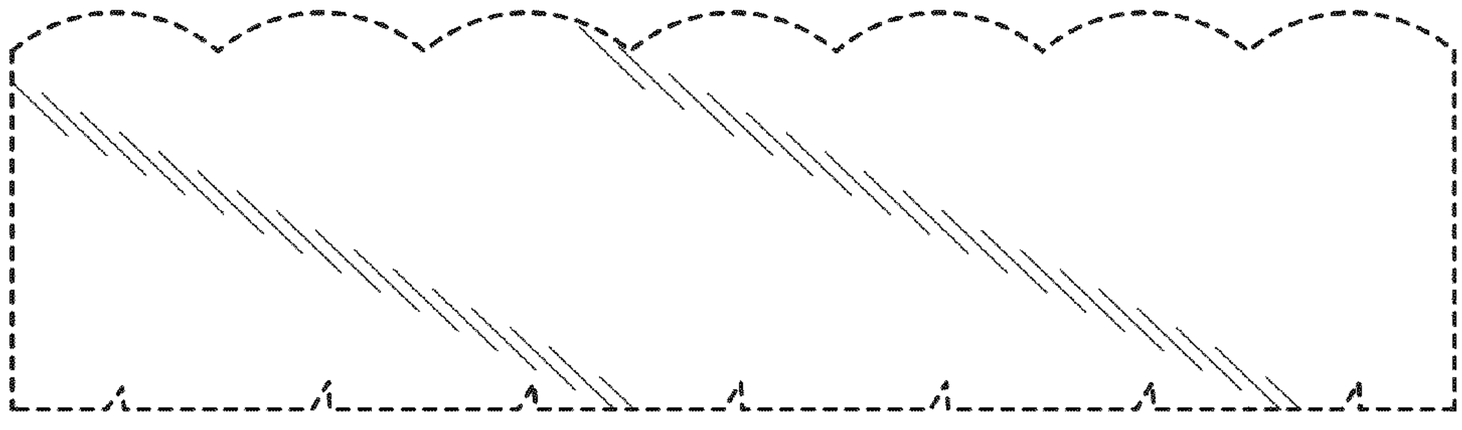


FIG. 8

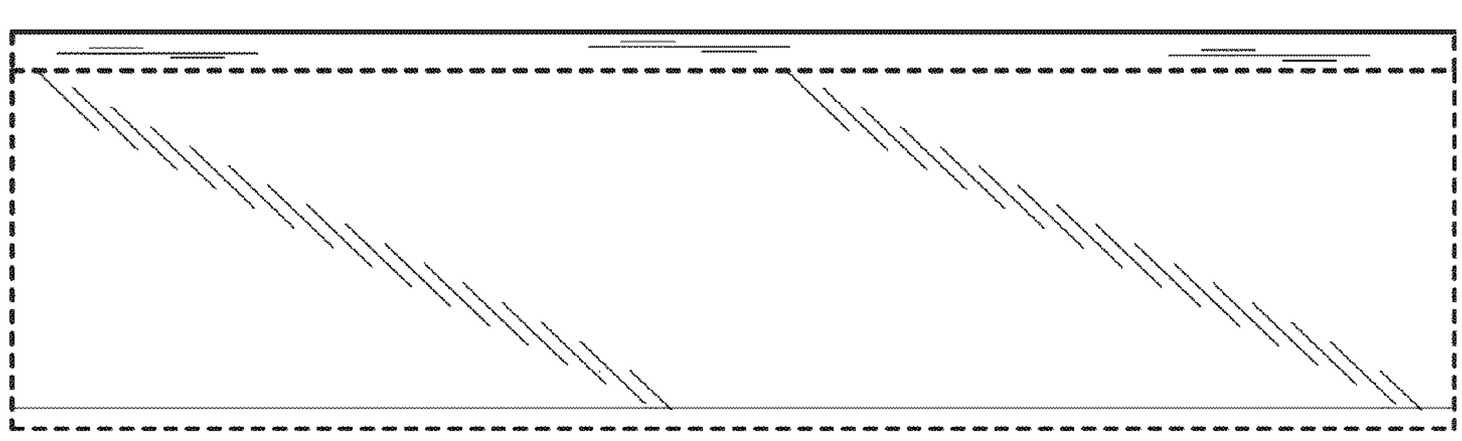


FIG. 9

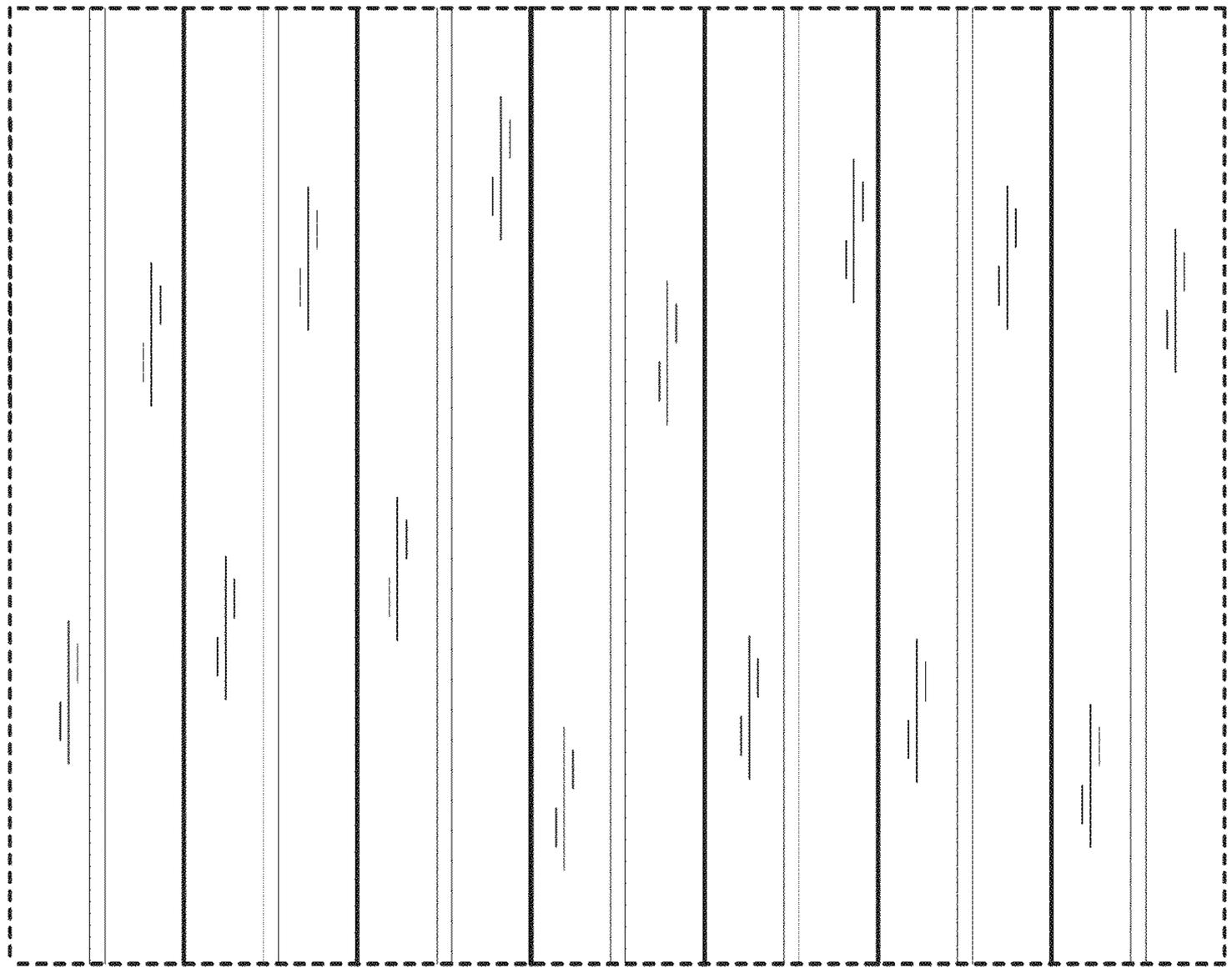


FIG. 10

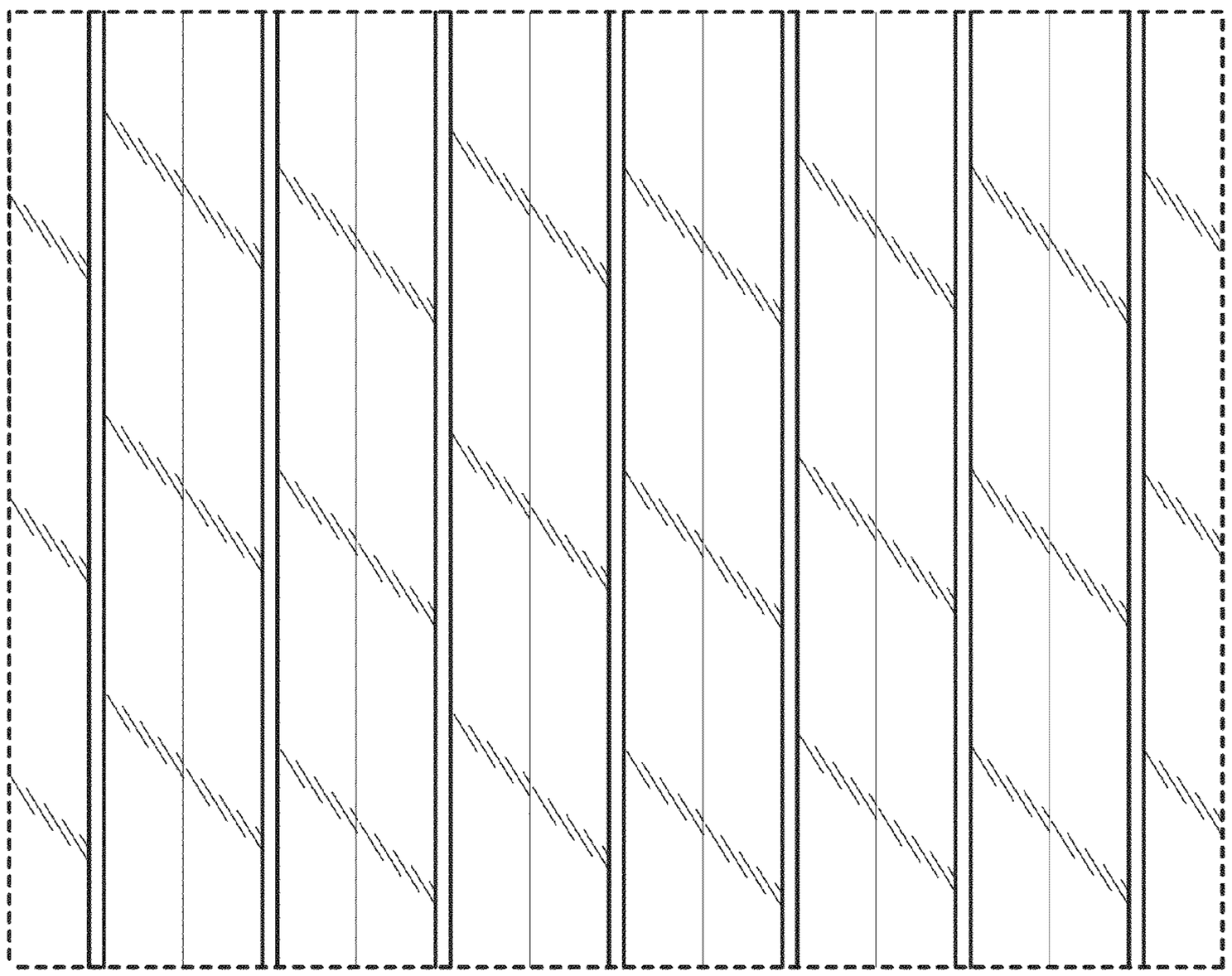


FIG. 11