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

(10) **Patent No.:** **US D720,437 S**  
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(54) **WELL PLATE**

FOREIGN PATENT DOCUMENTS

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JP D1130796 1/2002  
JP D1261386 1/2009

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(Continued)

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OTHER PUBLICATIONS

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

Arrayer, Instruments, Stanford Genome Technology Center Technology Development Group, stanford.edu, Searched Sep. 18, 2014, <http://sequence-www.stanford.edu/group/techdev/arrayer.html>.\*

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(Continued)

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/261**

(58) **Field of Classification Search**  
USPC ..... D23/259, 260, 261, 262, 263, 264, 265;  
D25/149, 150, 151, 152, 153, 154, 155,  
D25/156, 157, 158, 159; D7/332; 210/162,  
210/163, 164, 165, 166; 404/2, 3, 4; 4/651;  
405/36, 118, 119

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a well plate, as shown and described.

(56) **References Cited**

**DESCRIPTION**

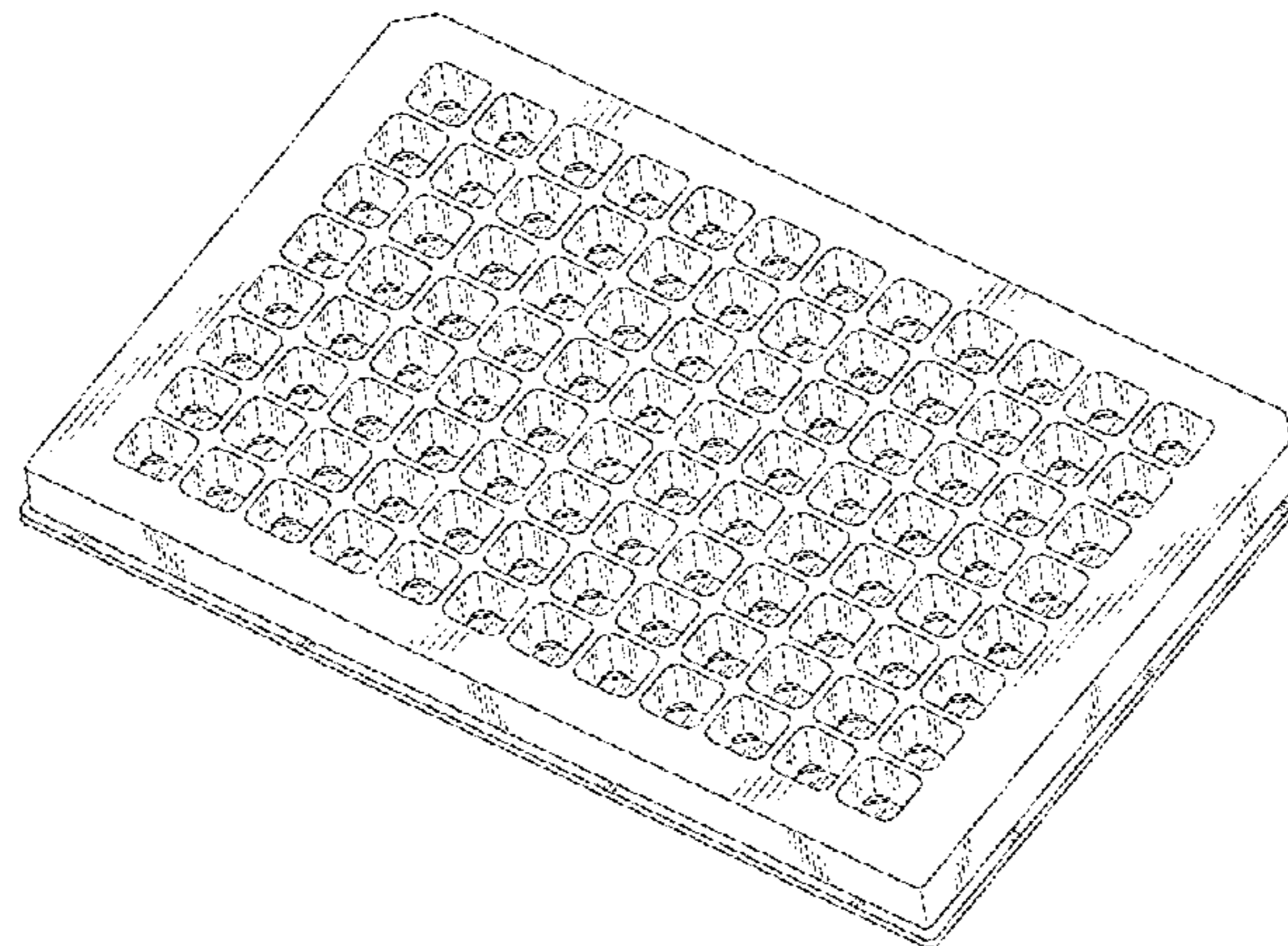
U.S. PATENT DOCUMENTS

3,674,149 A \* 7/1972 Donalson ..... 210/163  
4,261,824 A \* 4/1981 Cuschera ..... 210/164  
D299,871 S \* 2/1989 Jennings ..... D25/157  
4,909,660 A \* 3/1990 Ferns ..... 404/2  
D308,247 S \* 5/1990 Adam et al. .... D23/354  
4,955,752 A \* 9/1990 Ferns ..... 404/2  
D314,399 S \* 2/1991 Soporowski et al. .... D19/34.1  
D316,594 S \* 4/1991 Yuen ..... D23/261  
5,130,016 A \* 7/1992 Gavin ..... 210/164  
D367,972 S \* 3/1996 Valls et al. .... D6/468  
D367,973 S \* 3/1996 Valls et al. .... D6/468

FIG. 1 is a perspective view of a well plate showing our new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a left side elevational view thereof;  
FIG. 7 is a right side elevational view thereof;  
FIG. 8 is an enlarged fragmentary view defined by lines 8 in FIG. 2;  
FIG. 9 is a cross-sectional view taken along line 9-9 in FIG. 8;  
and,  
FIG. 10 is a cross-sectional view taken along line 10-10 in FIG. 2.

(Continued)

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D410,073 S \* 5/1999 Barnett ..... D23/261  
 D413,218 S \* 8/1999 Doty ..... D6/511  
 D437,094 S \* 1/2001 Ward ..... D32/35  
 D460,827 S \* 7/2002 Chaffiotte et al. .... D24/219  
 D471,679 S \* 3/2003 Henzey ..... D32/3  
 6,766,545 B2 \* 7/2004 Hodges ..... 4/679  
 D501,672 S \* 2/2005 Ledsworth ..... D23/261  
 6,942,421 B2 \* 9/2005 Jansson ..... 405/20  
 D581,487 S \* 11/2008 Wildfang ..... D23/249  
 7,704,010 B2 \* 4/2010 Nolle et al. .... 404/25  
 D617,914 S \* 6/2010 Sims ..... D25/142  
 7,798,742 B2 \* 9/2010 Nolle et al. .... 404/25  
 D653,893 S \* 2/2012 Huss et al. .... D6/582  
 D665,210 S \* 8/2012 Hughes ..... D6/582  
 D667,962 S \* 9/2012 Akkala ..... D25/36  
 D677,376 S \* 3/2013 Wolff ..... D23/393  
 8,402,630 B2 \* 3/2013 McGinn et al. .... 29/525.01  
 D685,924 S \* 7/2013 Lee et al. .... D25/118  
 D685,927 S \* 7/2013 Kim ..... D25/155  
 8,490,361 B2 \* 7/2013 Curry et al. .... 52/592.4  
 D687,575 S \* 8/2013 Kim ..... D25/155

D693,493 S \* 11/2013 Kim ..... D25/155  
 8,640,403 B2 \* 2/2014 Masanek et al. .... 52/177  
 8,646,217 B2 \* 2/2014 Ratajac ..... 52/12  
 8,679,328 B2 \* 3/2014 Hebert ..... 210/163  
 8,708,601 B2 \* 4/2014 Elliott ..... 405/126  
 8,807,865 B1 \* 8/2014 Modrono ..... 404/34  
 2008/0290042 A1 \* 11/2008 Hanson et al. .... 210/747  
 2013/0264256 A1 \* 10/2013 Hebert ..... 210/163

FOREIGN PATENT DOCUMENTS

JP D1385952 4/2010  
 JP D1405814 1/2011  
 JP D1424642 10/2011  
 JP D1472180 6/2013

OTHER PUBLICATIONS

Well Plates, Microplates, eandkscientific.com, Searched Sep. 18, 2014, <http://www.eandkscientific.com/384-Deep-Well-Plates-PP-190u1-V-Bottom-Clear-Sterile.html>.  
 U.S. Appl. No. 29/491,348 of Naoyuki Togawa for "Well Plate", filed May 20, 2014.

\* cited by examiner

**Fig. 1**

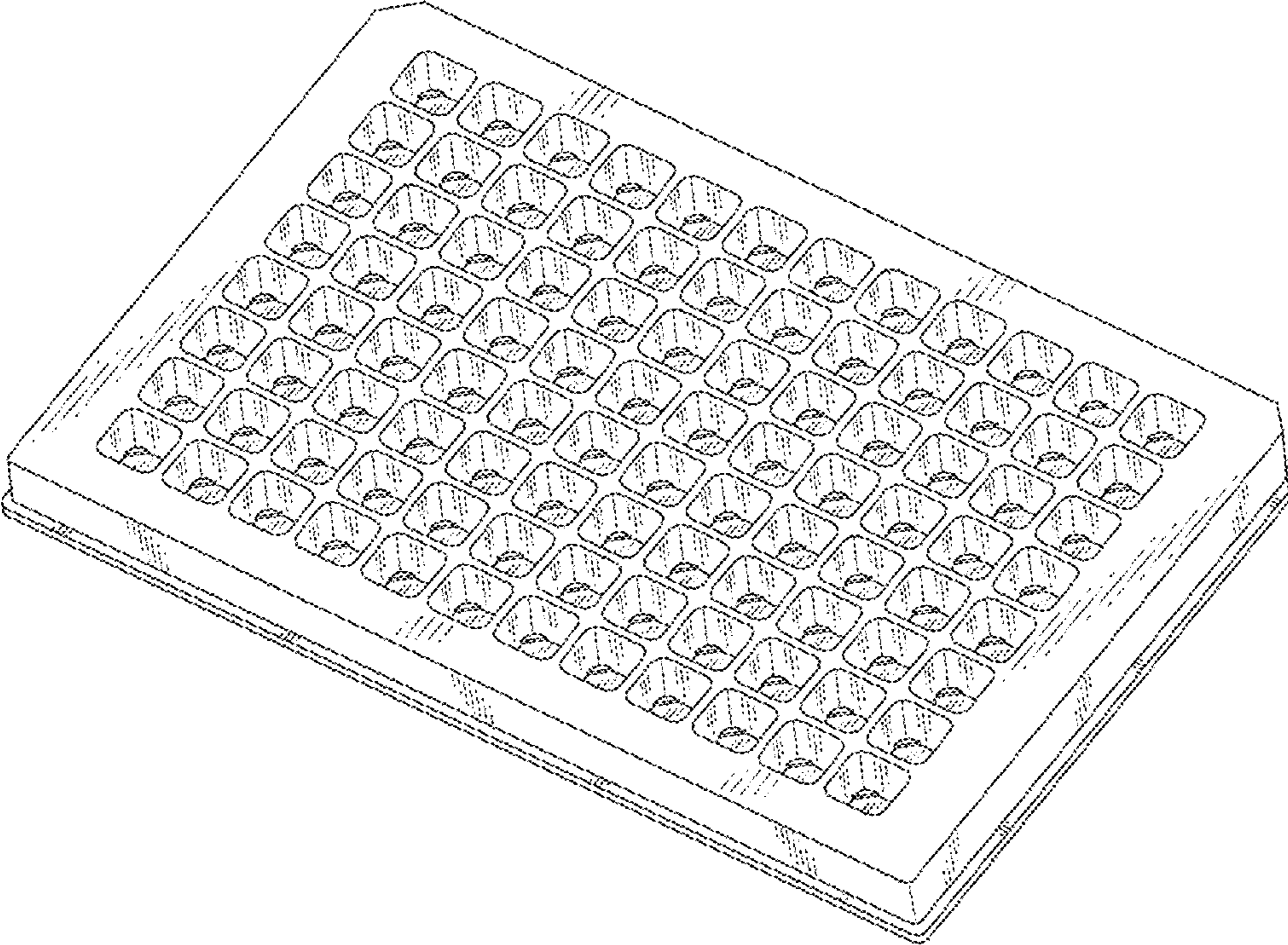
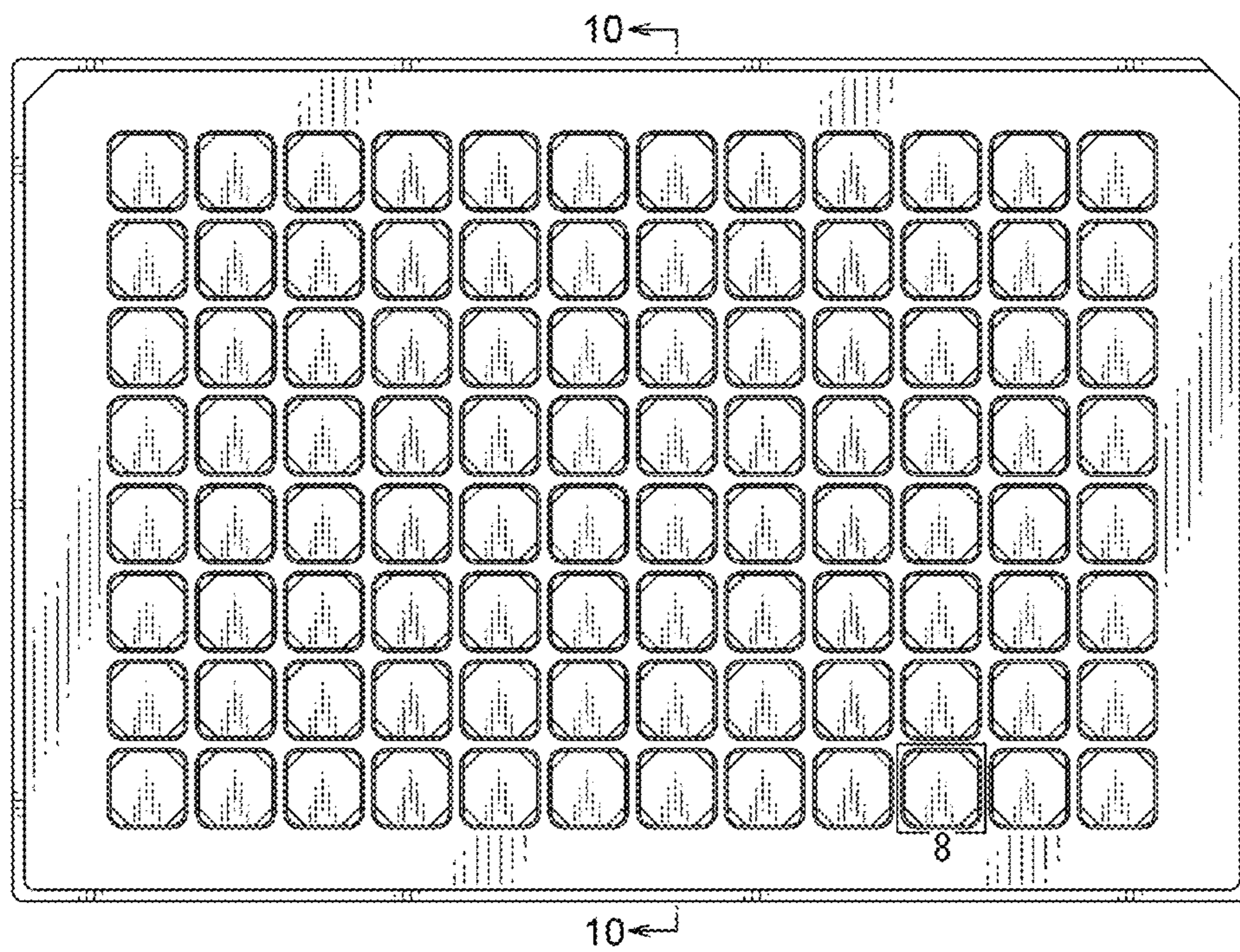
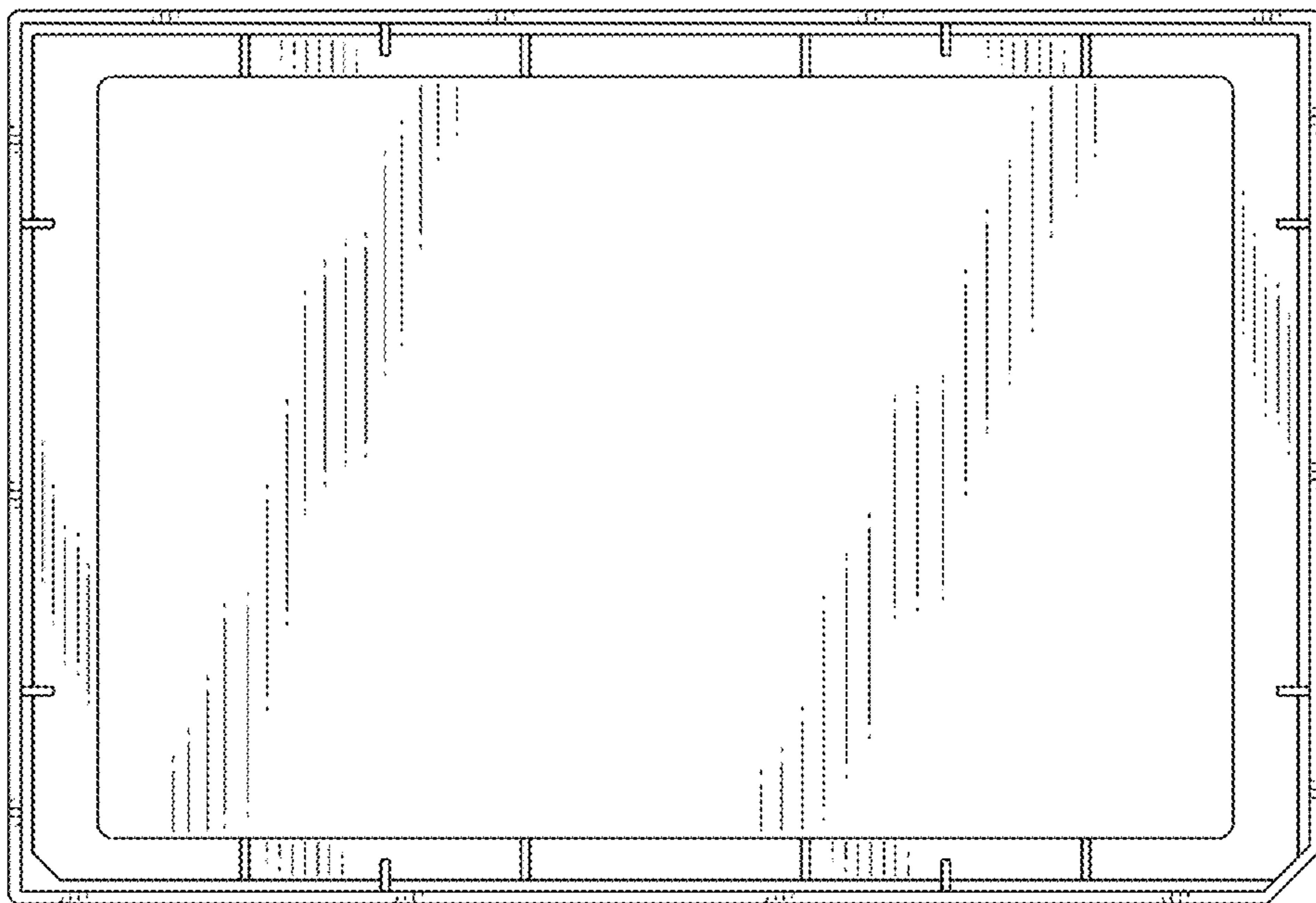




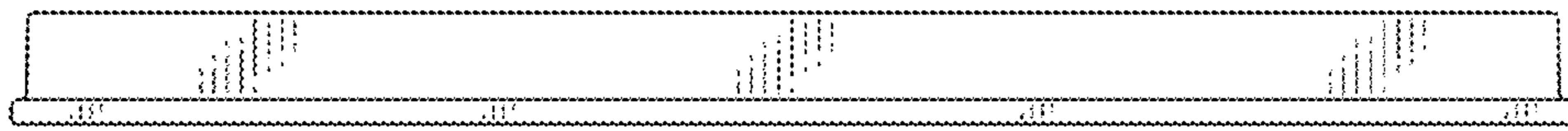
Fig. 2



*Fig. 3*



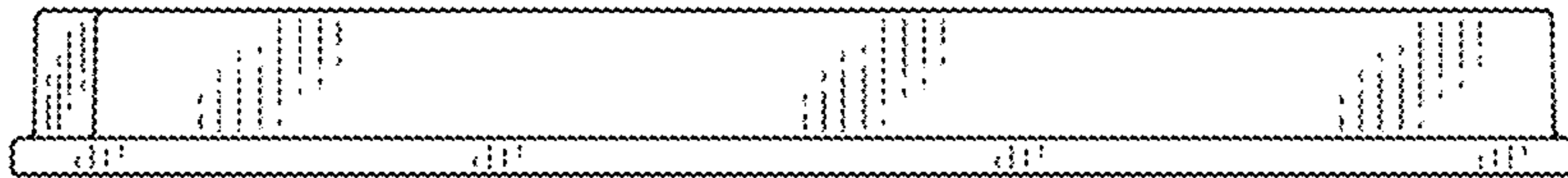
**Fig. 4**



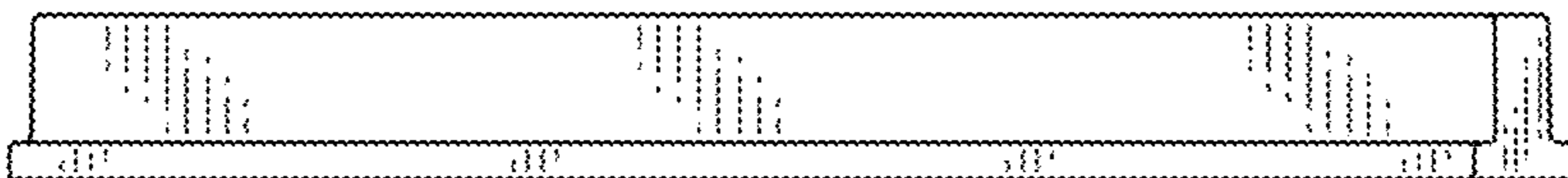
**Fig. 5**



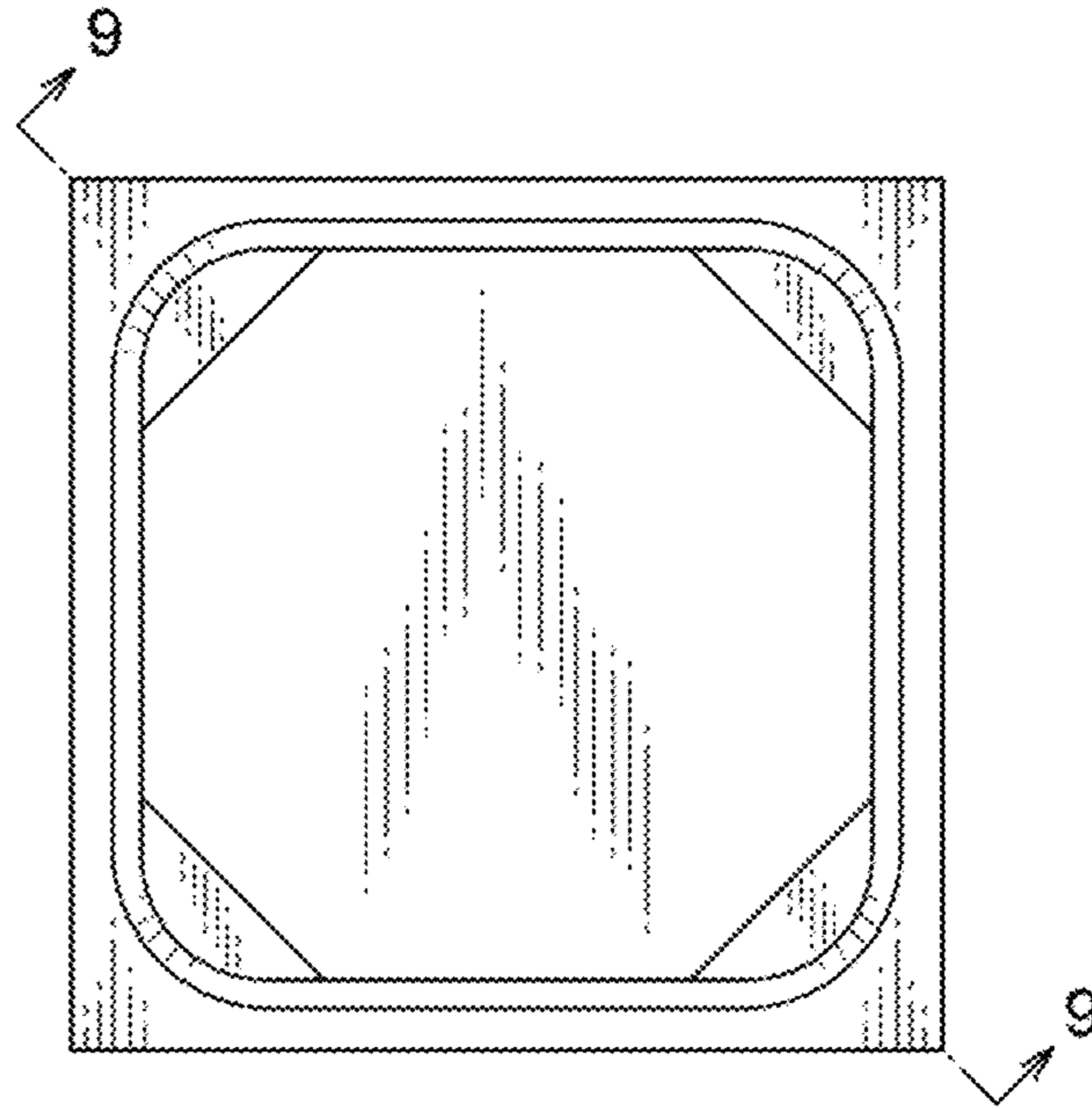
**Fig. 6**



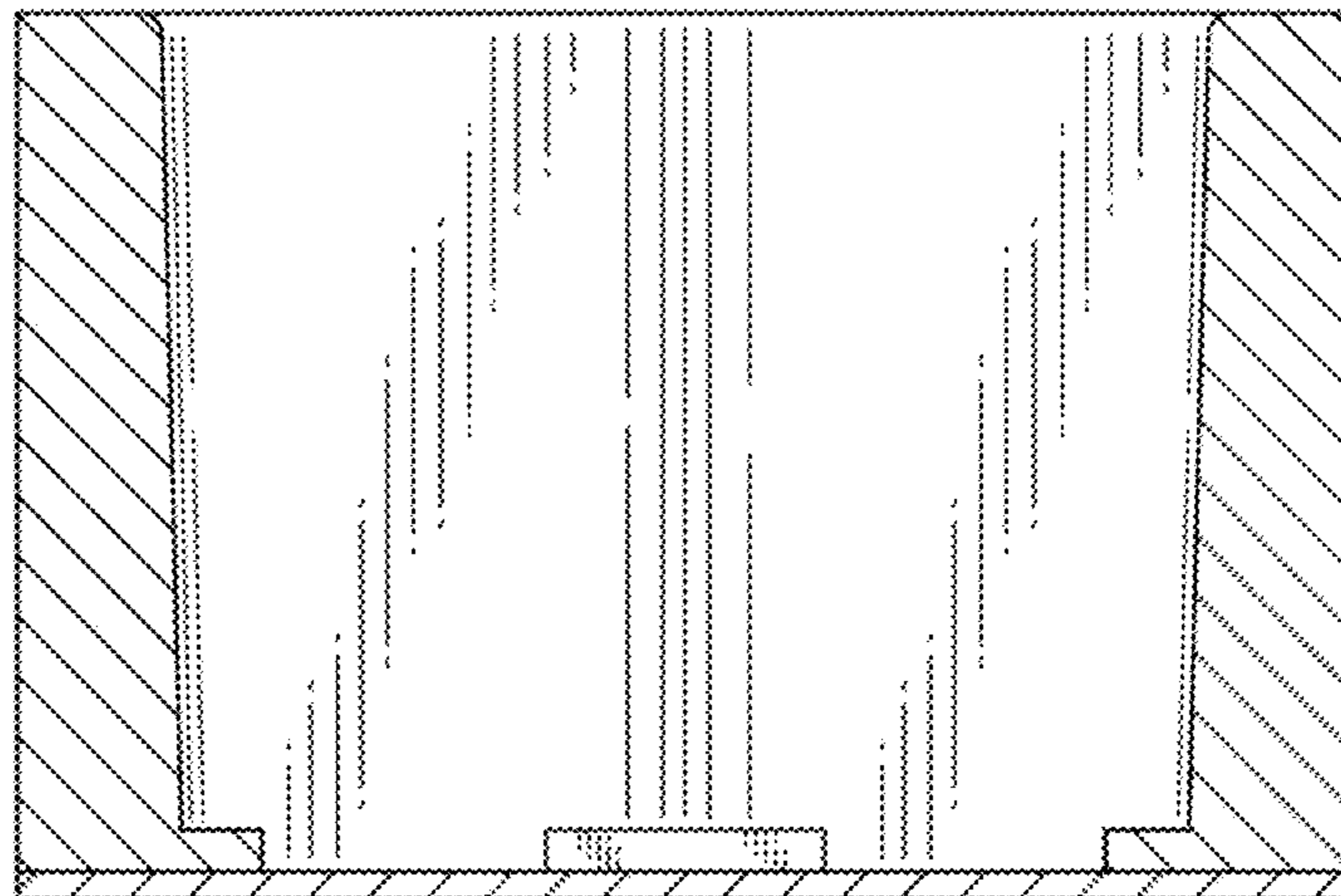
**Fig. 7**



**Fig. 8**



**Fig. 9**





*Fig. 10*

