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

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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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Primary Examiner — Eric Goodman

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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

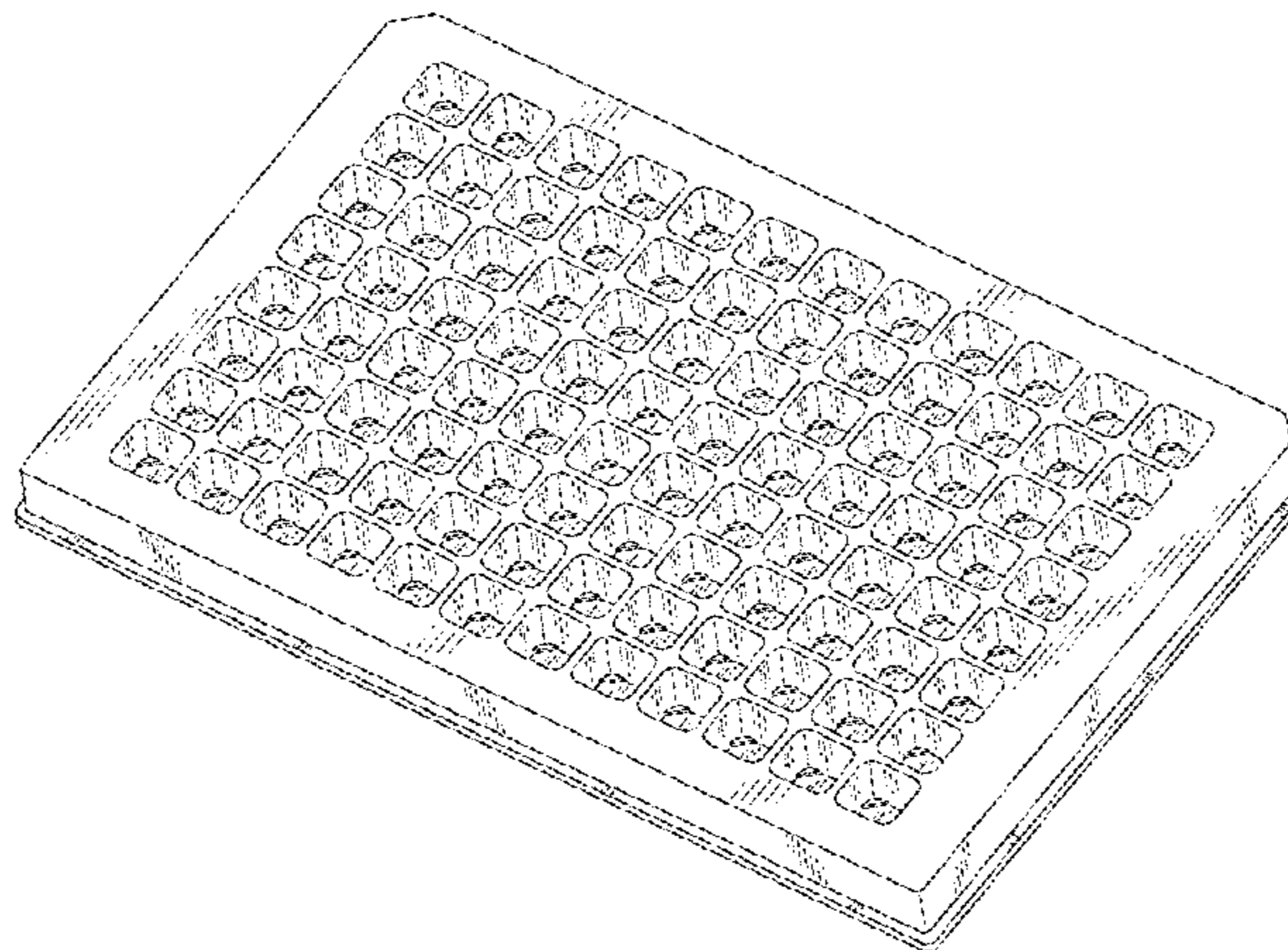
U.S. PATENT DOCUMENTS

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

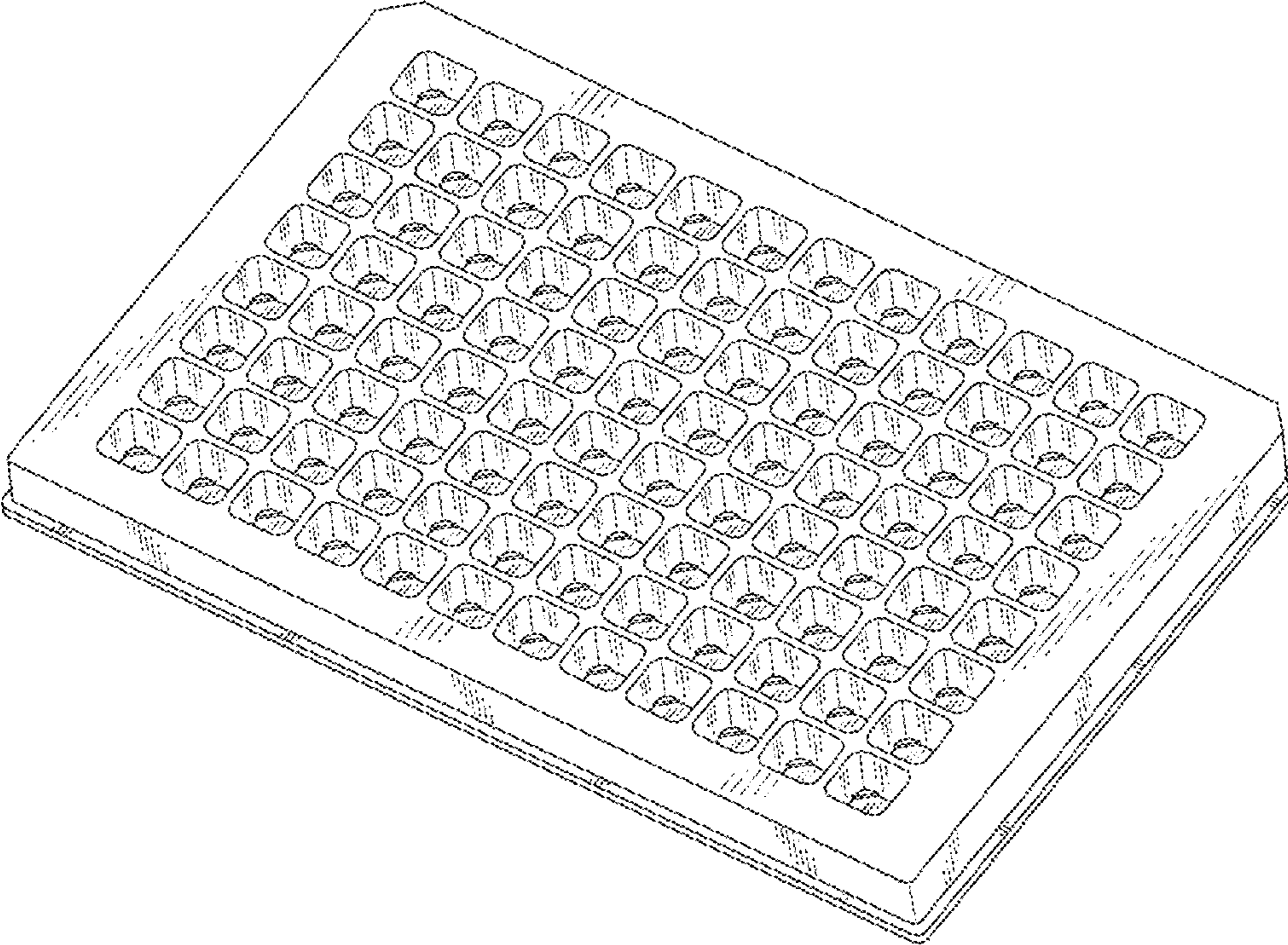


Fig. 2

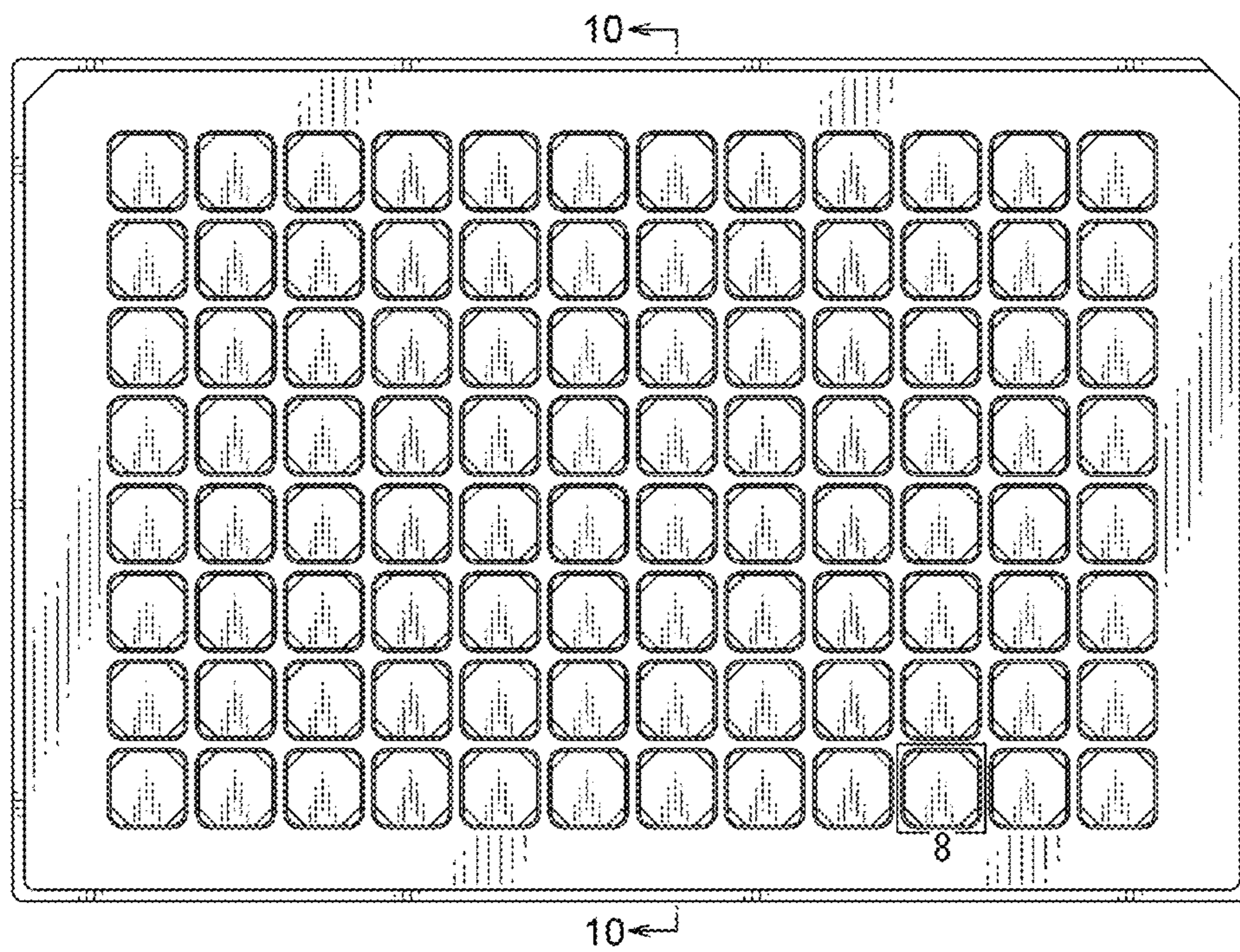


Fig. 3

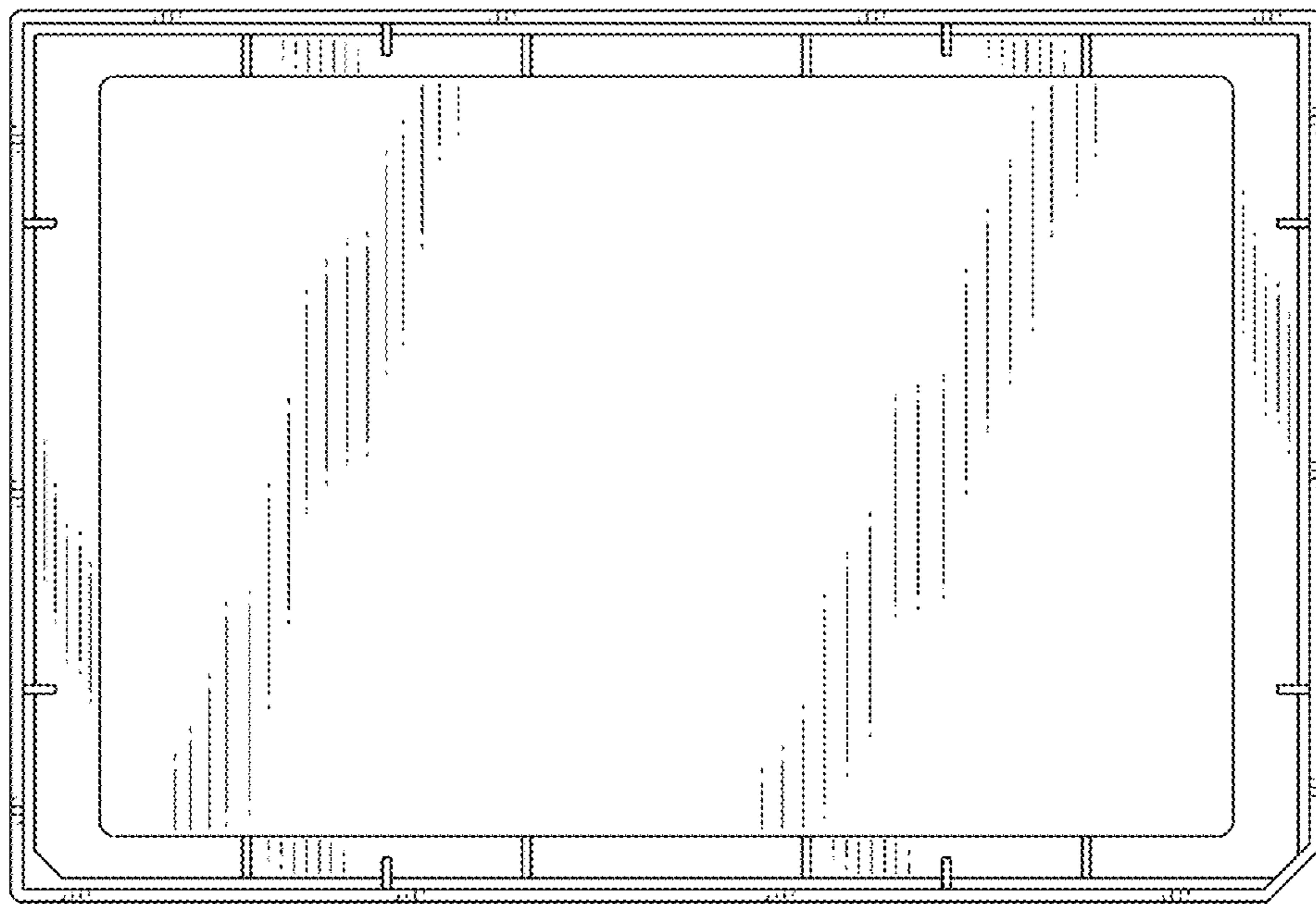


Fig. 4

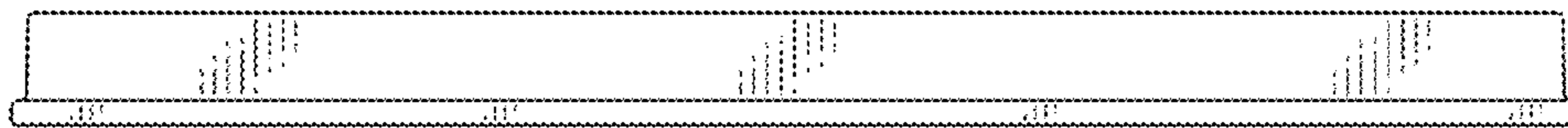


Fig. 5



Fig. 6

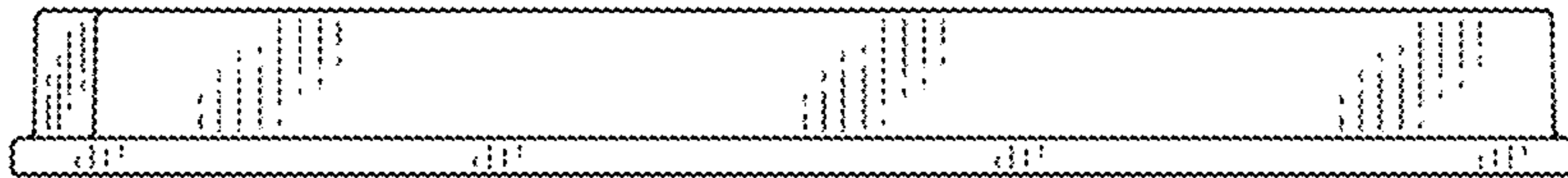


Fig. 7

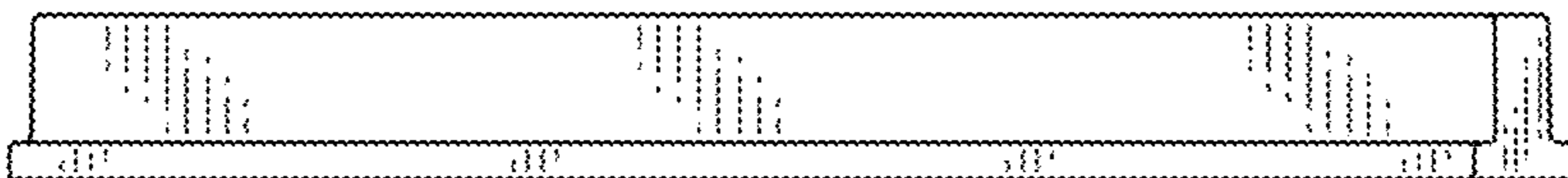


Fig. 8

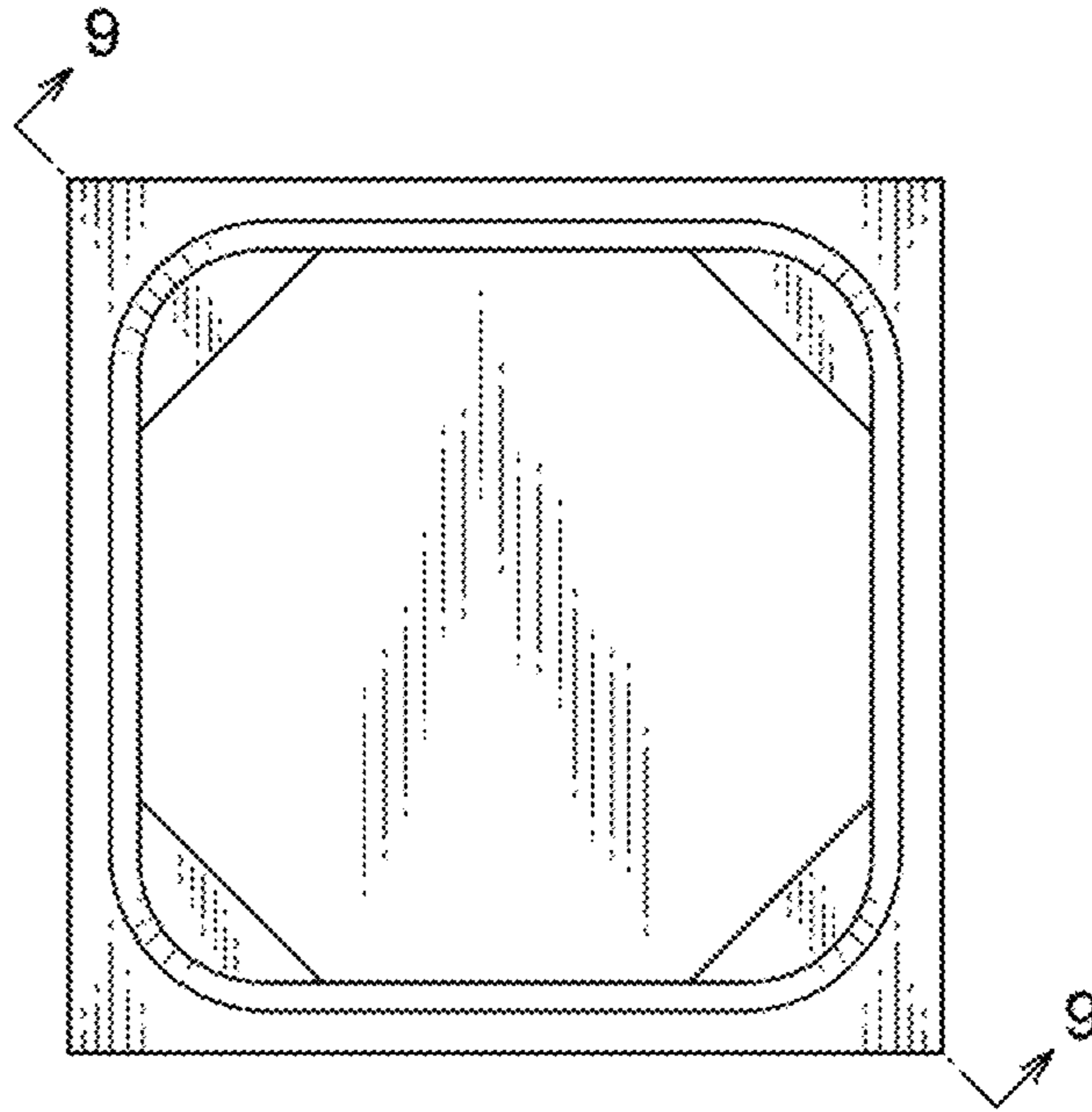


Fig. 9

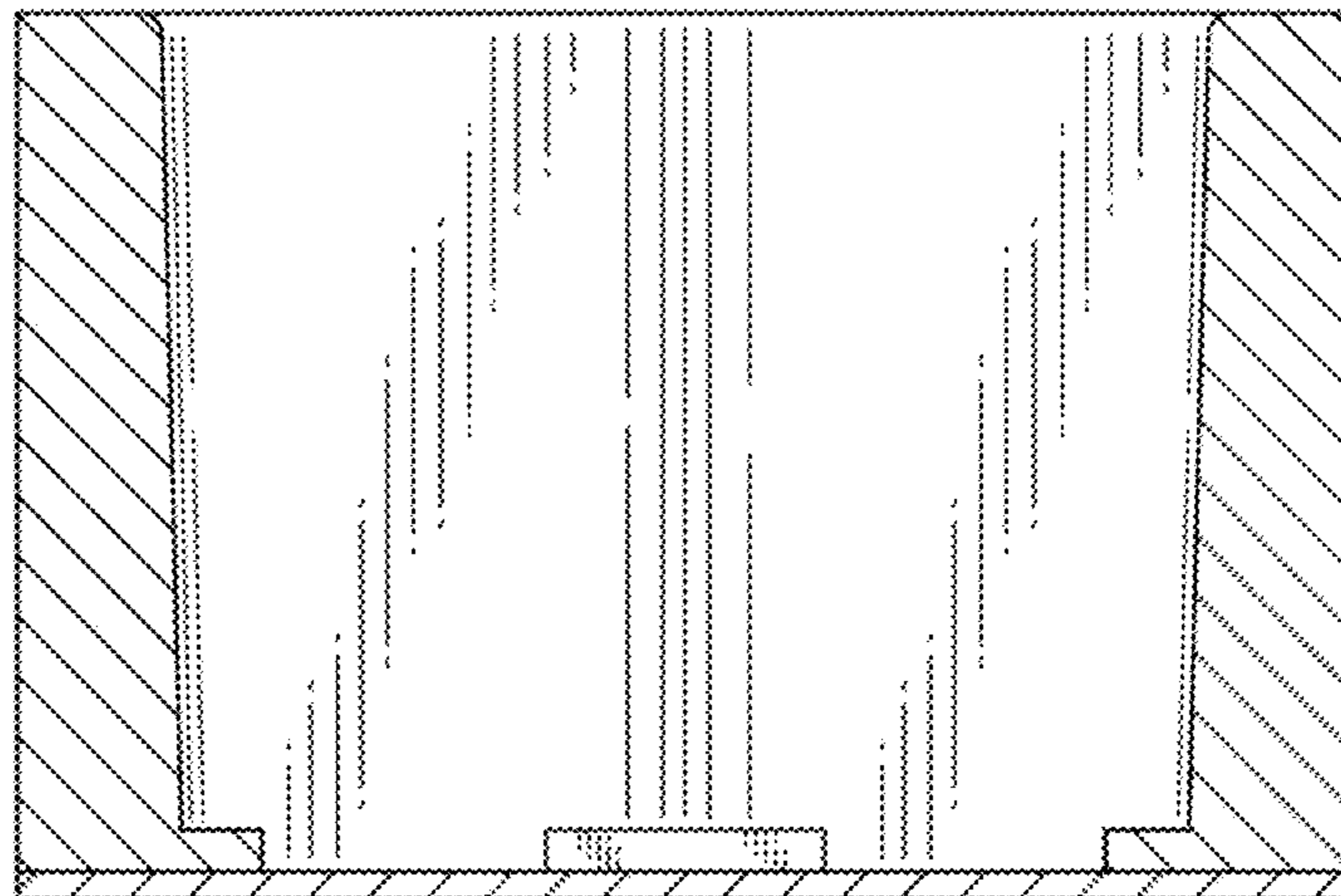


Fig. 10

