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(12) **United States Design Patent**
Motadel

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(54) **PIPETTE TIP HANDLING DEVICE COMPONENT**

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(73) Assignee: **Biotix, Inc.**, San Diego, CA (US)

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

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Related U.S. Application Data

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(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/227**

(58) **Field of Classification Search** D24/185, D24/216-232, 127-128; D6/406.1-406.3, D6/406.6; 422/58, 99, 102, 104, 297, 400, 422/560-564, 509, 942; D3/203.1, 304; D19/37; 206/363-370, 223, 563; 211/85.13, 211/126.14, 174

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,134,908 A	11/1938	Copeman	
2,645,245 A	7/1953	Maisch	
3,214,831 A	11/1965	Shellman et al.	
3,853,217 A	12/1974	Scordato et al.	
3,937,322 A	2/1976	Cohen	
D246,466 S	11/1977	Attree et al.	
D264,810 S	6/1982	Voltmann	
D271,239 S	11/1983	Lemieux et al.	
D276,071 S	10/1984	Malinoff	
D283,162 S *	3/1986	Godsey	D24/226
D302,207 S	7/1989	Matkovich	

5,048,957 A	9/1991	Berthold et al.	
5,156,811 A	10/1992	White	
D337,165 S	7/1993	Malinoff	
5,324,482 A	6/1994	Scaramella et al.	
D349,773 S	8/1994	Malin et al.	
5,392,914 A	2/1995	Lemieux et al.	
5,426,911 A	6/1995	Poplin et al.	
5,441,702 A	8/1995	Lemieux et al.	
5,487,872 A *	1/1996	Hafeman et al.	422/553
5,487,997 A	1/1996	Stolop	
5,588,792 A	12/1996	Tiso	

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO 95/33563 12/1995

(Continued)

OTHER PUBLICATIONS

Office Action mailed on: May 24, 2011 in U.S. Appl. No. 12/577,003, filed Oct. 9, 2009, and published as 2010/0089938 on Apr. 15, 2010.

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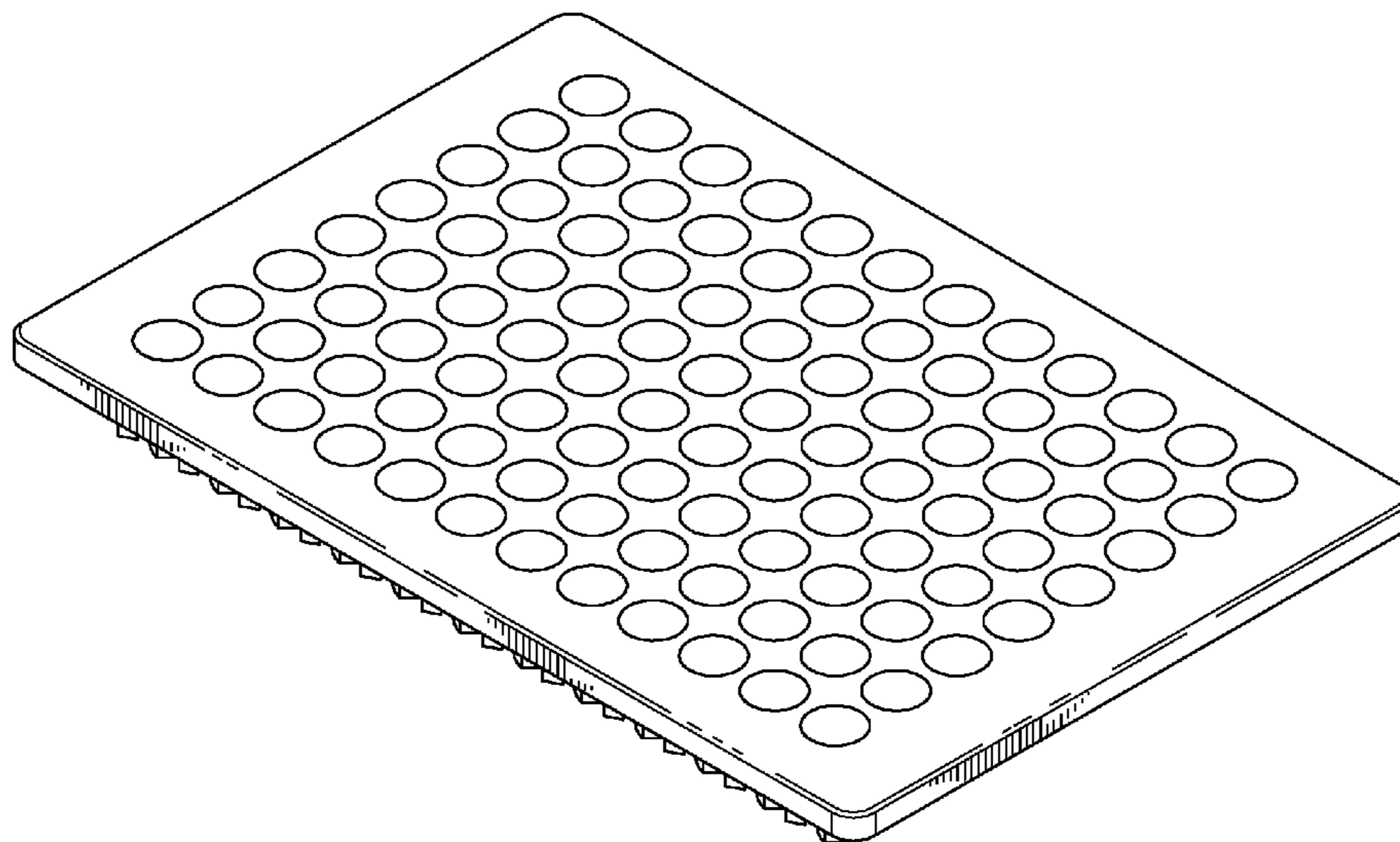
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(57) **CLAIM**
The ornamental design for a pipette tip handling device component, as shown and described.

DESCRIPTION

FIG. 1 shows a perspective view of a pipette tip handling device component;
FIG. 2 shows a width side view thereof;
FIG. 3 shows a top view thereof;
FIG. 4 shows a length side view thereof configured with tails of equal length; and,
FIG. 5 shows a bottom view thereof.

1 Claim, 2 Drawing Sheets



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U.S. PATENT DOCUMENTS

5,642,816	A	7/1997	Kelly et al.	
5,779,984	A	7/1998	Kelly et al.	
5,789,251	A	8/1998	Astle	
5,915,284	A	6/1999	Metler et al.	
D414,271	S *	9/1999	Mendoza	D24/224
6,007,779	A	12/1999	Lemieux et al.	
D420,139	S *	2/2000	Ballin et al.	D24/216
D420,142	S	2/2000	Ballin et al.	
D420,743	S	2/2000	Monks	
6,019,225	A	2/2000	Kalmakis et al.	
6,054,099	A	4/2000	Levy	
D441,091	S *	4/2001	Day	D24/224
6,258,324	B1	7/2001	Yiu	
6,286,678	B1	9/2001	Petrek	
6,361,744	B1	3/2002	Levy	
6,419,086	B1	7/2002	Vecchio	
D463,031	S *	9/2002	Slomski et al.	D24/226
D463,863	S *	10/2002	Carlson et al.	D24/216
D464,734	S *	10/2002	Berna et al.	D24/216
D469,544	S	1/2003	Lafond et al.	
6,534,015	B1	3/2003	Viot et al.	
D474,274	S	5/2003	Walters	
D477,416	S	7/2003	Roberts et al.	
6,589,483	B1	7/2003	Maeda	
6,640,981	B2	11/2003	Lafond et al.	
6,752,967	B2	6/2004	Farina et al.	
D492,792	S *	7/2004	Kokaisel et al.	D24/226
6,759,012	B2	7/2004	Haslam et al.	
6,830,732	B1	12/2004	Hoffman et al.	
6,875,405	B1	4/2005	Mathus et al.	
D529,622	S	10/2006	Hadjis et al.	
D533,948	S	12/2006	Schaub et al.	
7,169,361	B2	1/2007	Arnold et al.	
7,220,590	B2	5/2007	Moritz et al.	
D556,338	S	11/2007	Coulling et al.	
D556,339	S	11/2007	Coulling et al.	
7,309,469	B2	12/2007	Anderson et al.	
D562,463	S *	2/2008	Berndt et al.	D24/226
7,335,337	B1	2/2008	Smith	
D574,505	S	8/2008	Muller-Cohn et al.	
D574,506	S	8/2008	Monks	
D576,208	S *	9/2008	Quercetti	D19/37
D598,127	S *	8/2009	Lea	D24/227
D601,713	S	10/2009	Lohn et al.	
D601,714	S	10/2009	Lohn et al.	
D608,013	S	1/2010	Coulling et al.	
D610,265	S *	2/2010	Lea	D24/227
D620,605	S *	7/2010	Reitze	D24/227
D624,196	S	9/2010	Himmelsbach et al.	
D624,660	S	9/2010	Himmelsbach et al.	
D624,661	S	9/2010	Himmelsbach et al.	
7,820,115	B2	10/2010	Zatechka, Jr. et al.	
D628,306	S	11/2010	Blanc et al.	
D632,803	S *	2/2011	Motadel et al.	D24/229
7,892,504	B2	2/2011	Taika et al.	
D638,138	S	5/2011	Wong	
D638,953	S	5/2011	Cavada et al.	
D645,156	S *	9/2011	Reitze	D24/227
2003/0129089	A1	7/2003	Arnold et al.	
2004/0231438	A1	11/2004	Schwartz	

2005/0150808	A1	7/2005	Sarna et al.
2007/0017870	A1	1/2007	Belov et al.
2009/0092520	A1	4/2009	Moulton
2009/0095091	A1	4/2009	Smith
2009/0155123	A1	6/2009	Williams et al.
2009/0255949	A1	10/2009	Motadel
2010/0089938	A1	4/2010	Motadel
2010/0258578	A1	10/2010	Motadel
2010/0266457	A1	10/2010	Rethwisch et al.
2011/0076205	A1	3/2011	Kelly et al.

FOREIGN PATENT DOCUMENTS

WO	WO 98/45041	10/1998
WO	WO 01/10556	2/2001
WO	WO 02/45857	6/2002
WO	WO 03/043739	5/2003
WO	WO 2010/118374	10/2010

OTHER PUBLICATIONS

Office Action mailed on: Apr. 7, 2011 in U.S. Appl. No. 12/577,003, filed Oct. 9, 2009, and published as 2010/0089938 on Apr. 15, 2010. International Preliminary Report on Patentability mailed on: Oct. 21, 2010 in International Application No. PCT/US2009/040289 filed on Apr. 11, 2009 and published as: WO 09/126945 on: Oct. 15, 2009. International Search Report and Written Opinion mailed on: Nov. 26, 2010 in International Application No. PCT/US2010/030611 filed on Apr. 9, 2010 and published as: WO 2010/118374 on: Oct. 14, 2010. International Search Report and Written Opinion mailed on: Oct. 29, 2009 in International Application No. PCT/US2009/040289 filed on Apr. 11, 2009 and published as: WO 09/126945 on: Oct. 15, 2009. Webpage printed from the internet on Feb. 21, 2008 at URL: <http://www.matrixtechcorp.com/handheld/pipettor.aspx?id=40> MatrixTechnologies Thermo Scientific Matrix Liquid HandlingP Systems.

Nakane et al., "A Method for parallel automated thermal cycling of submicroliter samples," Genome Research vol. 11, Issue 3, 441-447, Mar. 2001.

Hile et al., "Microbiology Tray and Pipette Tracking as a Proactive Tangible User Interface," In Proc. of the 2nd Int. Conf. on Pervasive Computing, 2004.

Office Action mailed on: Dec. 14, 2011 in U.S. Appl. No. 12/422,250, filed Apr. 11, 2009, and published as 2009/0255949 on Oct. 15, 2009. Office Action mailed on: Dec. 23, 2011 in U.S. Appl. No. 12/577,003, filed Oct. 9, 2009, and published as 2010/0089938 on Apr. 15, 2010. Extended European Search Report dated: Nov. 4, 2011 in European Application No. EP09729893 filed on: Nov. 9, 2010. Office Action mailed on: Jul. 30, 2012 in U.S. Appl. No. 29/335,253 filed on Apr. 11, 2009. Office Action mailed on: Jul. 23, 2012 in U.S. Appl. No. 29/335,252 filed on Apr. 11, 2009. Office Action mailed on: Sep. 20, 2012 in U.S. Appl. No. 12/757,851 filed on Apr. 9, 2010, and published as 2010/0258578 on Oct. 14, 2010. Office Action mailed on: Aug. 6, 2012 in U.S. Appl. No. 29/345,142 filed on Oct. 9, 2009.

* cited by examiner

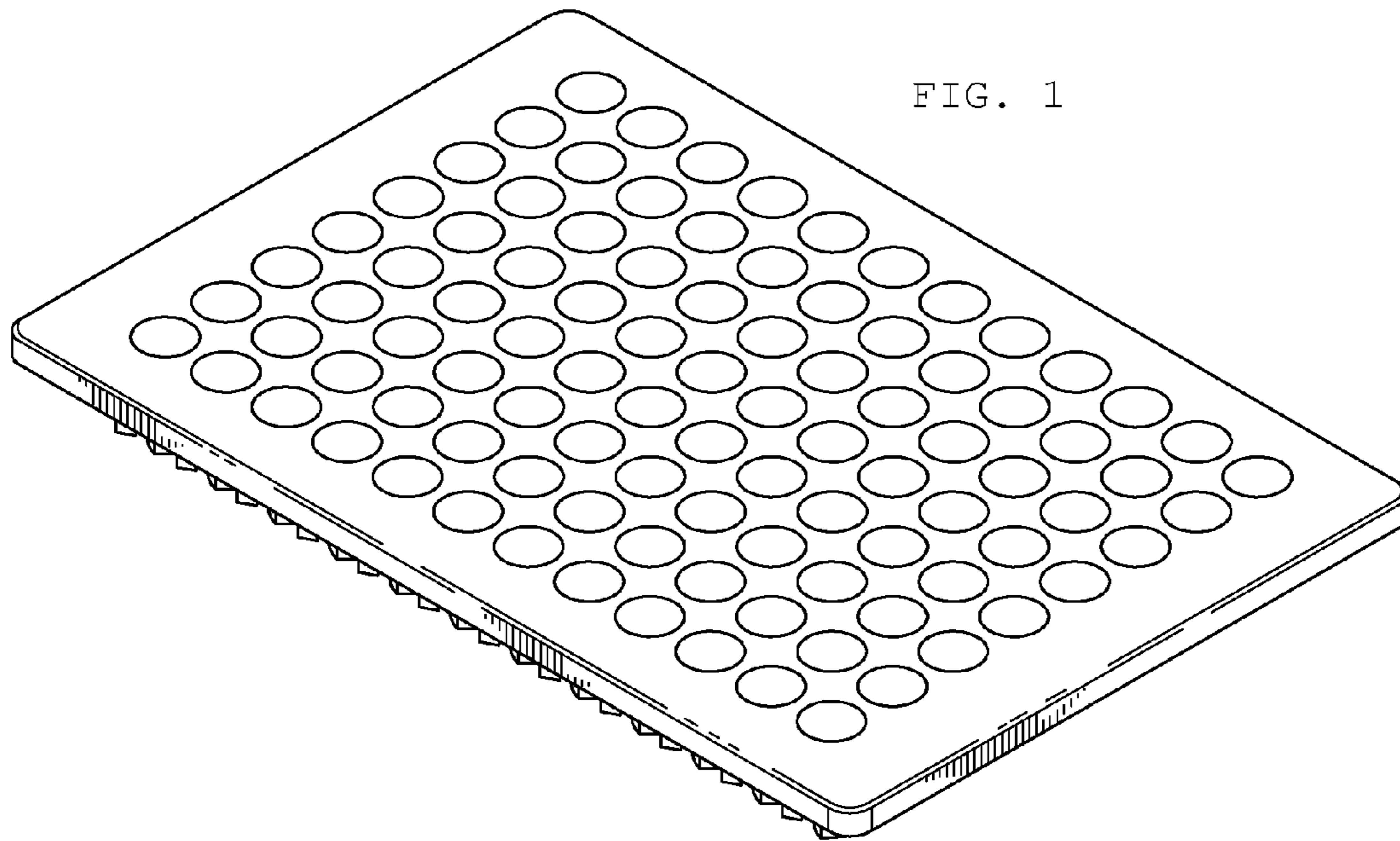


FIG. 1

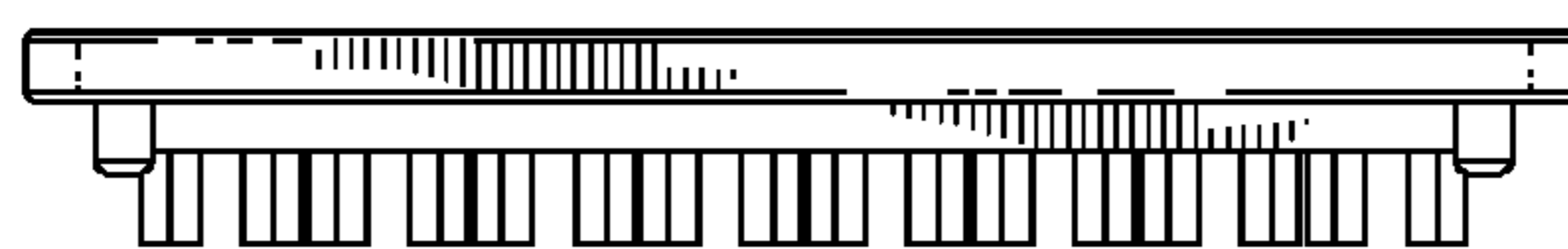


FIG. 2

FIG. 3

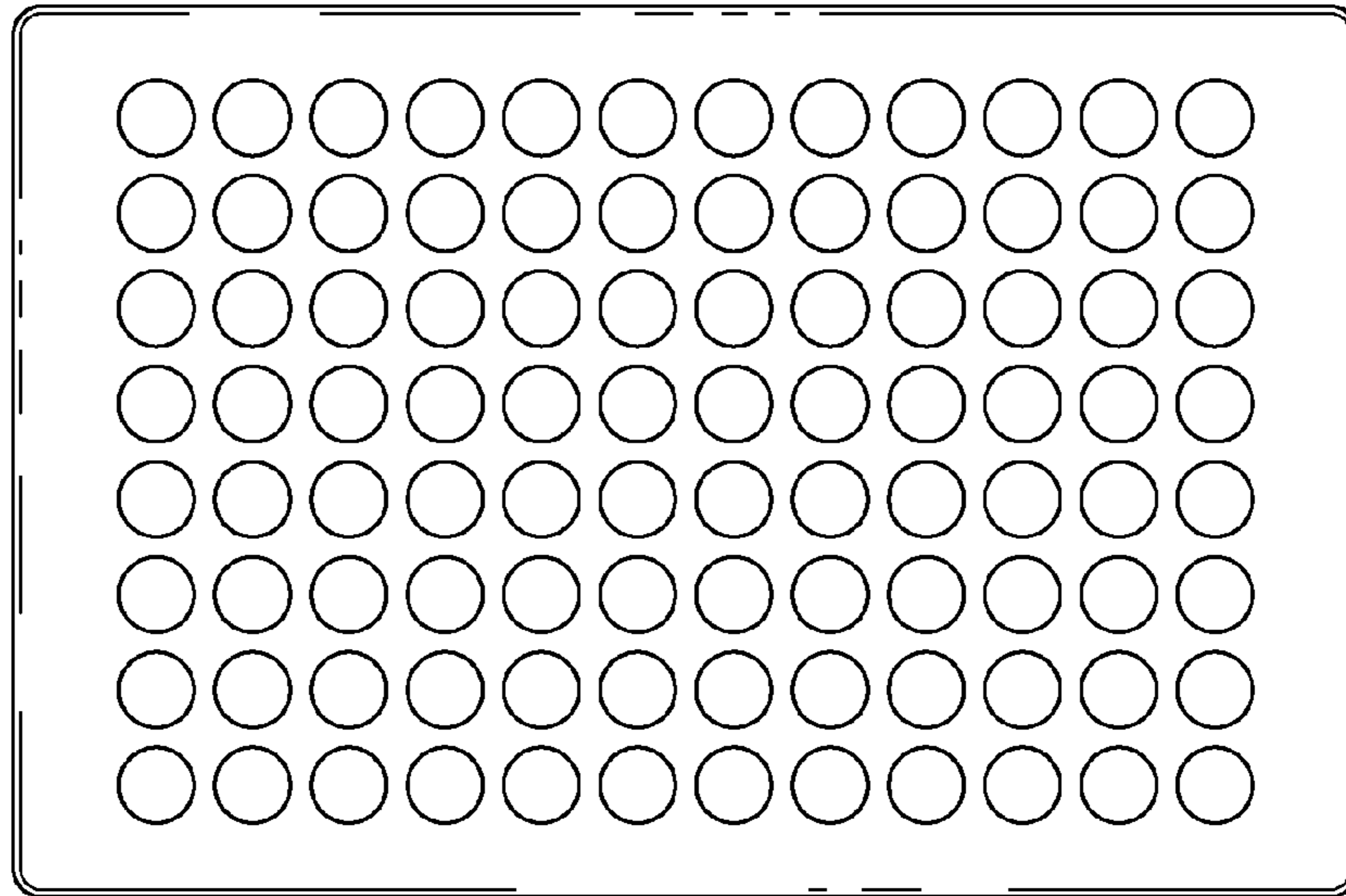


FIG. 4

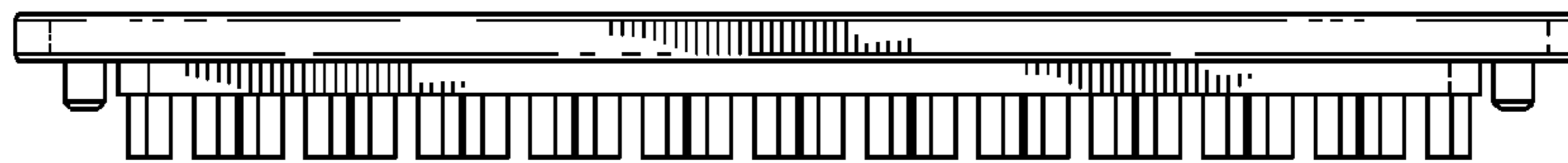


FIG. 5

