



US00D716304S

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

(10) **Patent No.:** **US D716,304 S**
(45) **Date of Patent:** **** Oct. 28, 2014**

(54) **RFID READER**
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(**) Term: **14 Years**
(21) Appl. No.: **29/429,201**
(22) Filed: **Aug. 8, 2012**

(30) **Foreign Application Priority Data**

Feb. 9, 2012 (WO) DM/077 943

(51) **LOC (10) Cl.** **14-02**
(52) **U.S. Cl.**
USPC **D14/420; D14/385**

(58) **Field of Classification Search**
USPC D14/420, 426-428, 447, 453, 385, 363,
D14/358, 240, 356, 362, 365, 370, 383, 388,
D14/432, 433, 435, 439, 442, 443; D18/4.6;
D13/158, 162, 171, 147, 164; 235/440,
235/462.13, 439, 492, 380, 375, 486, 382,
235/451, 487, 381, 441, 472.01-472.03,
235/462.45, 462.47, 462.43, 385;
340/572.7, 573.3, 572.8, 572.1, 572.4,
340/10.1, 5.86; 455/41.1; 700/225; 710/2,
710/301, 64; 336/221, 232; 439/159;
361/752, 679.31, 679.32, 679.38,
361/679.45, 800; 358/473; 379/436, 438;
312/223.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D141,980 S * 8/1945 Holland et al. D3/274
D196,912 S * 11/1963 Kostich D13/147
D248,470 S * 7/1978 Talesfore D14/435
D260,762 S * 9/1981 Peroni D10/103
D262,106 S * 12/1981 Frassanito D14/242

4,359,220 A * 11/1982 Morrison et al. 463/9
D276,527 S * 11/1984 Flanigan D14/435
D303,137 S * 8/1989 Brown D22/117
D305,116 S * 12/1989 Schmidt D14/385
D306,519 S * 3/1990 Nakata D3/206
D309,728 S * 8/1990 Nuttall et al. D14/356
D311,740 S * 10/1990 Wagner D14/358
D322,963 S * 1/1992 Kittirutsunetorn D14/242
5,128,829 A * 7/1992 Loew 361/679.3
5,130,891 A * 7/1992 Christie 361/726
5,179,501 A * 1/1993 Ocken et al. 361/709
D336,746 S * 6/1993 Tse D14/433
D339,806 S * 9/1993 Grinkus D14/217
D342,236 S * 12/1993 Albano et al. D14/336
D344,270 S * 2/1994 Matsumoto et al. D14/368
D344,511 S * 2/1994 Ansai et al. D14/137
D345,304 S * 3/1994 Leader D9/418
D346,607 S * 5/1994 Bhargava et al. D14/242
D354,500 S * 1/1995 Georgopoulos D14/242
5,387,131 A * 2/1995 Foreman et al. 439/620.15
D357,684 S * 4/1995 Moreland D14/240
D362,846 S * 10/1995 Inoue et al. D14/435

(Continued)

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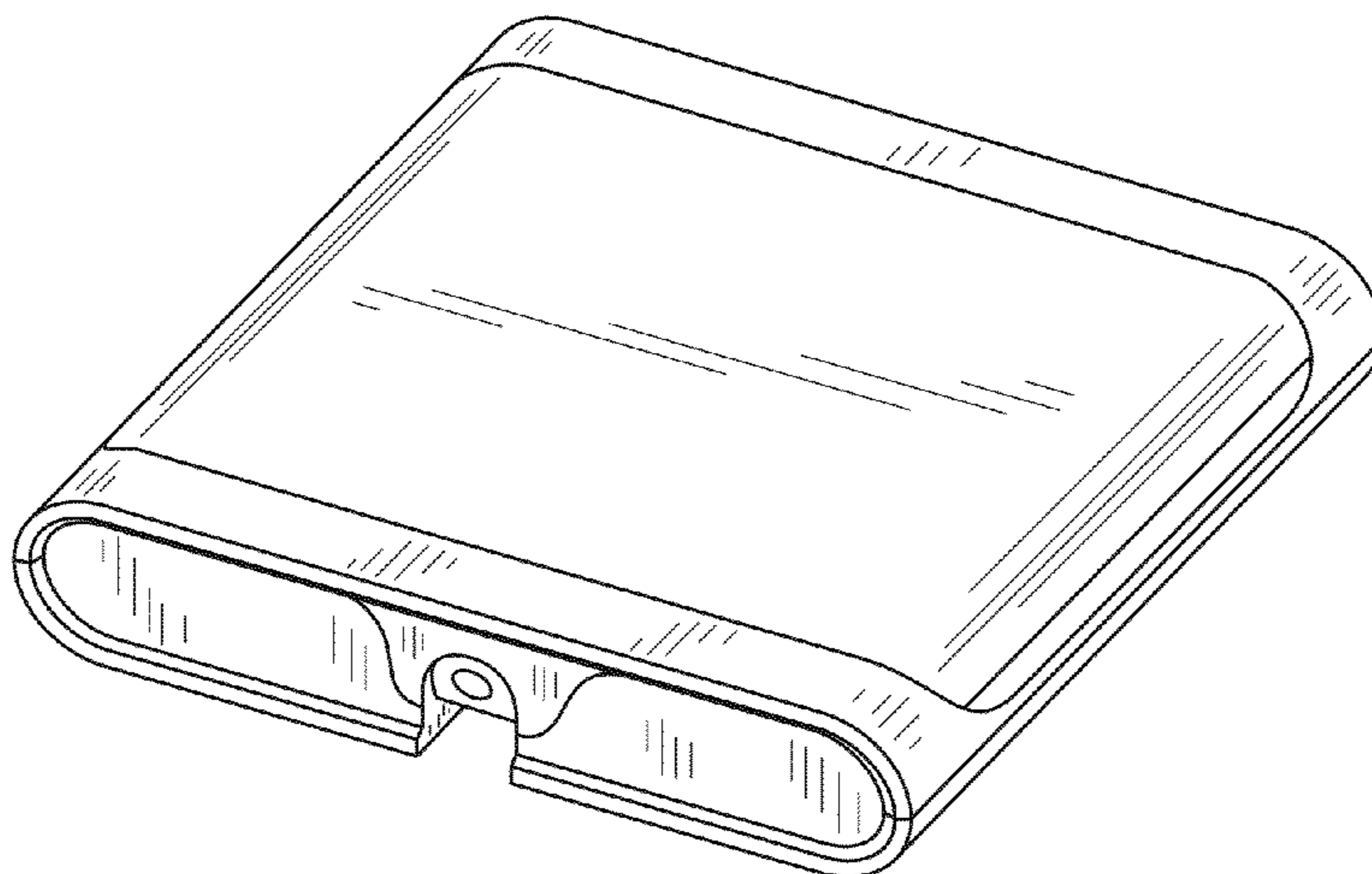
(57) **CLAIM**

The ornamental design for an RFID reader, as shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of an RFID reader of the present invention;
FIG. 2 is a top perspective view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a front view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a back view thereof;
FIG. 7 is a left side view thereof; and,
FIG. 8 is a bottom view thereof.
Broken lines and unshaded portions contained within broken lines are not claimed.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D366,466	S *	1/1996	Lee et al.	D14/385	D524,815	S *	7/2006	McRae et al.	D14/433
D368,429	S *	4/1996	Serio, Jr.	D9/431	7,094,089	B2 *	8/2006	Andre et al.	439/218
D374,222	S *	10/1996	Brandt	D14/471	D528,548	S *	9/2006	Tang	D14/435
5,564,802	A *	10/1996	Chiou	312/111	D530,315	S *	10/2006	Liu	D14/240
5,568,006	A *	10/1996	Luff et al.	310/348	D530,325	S *	10/2006	Kerila et al.	D14/356
D386,479	S *	11/1997	Lassmann et al.	D14/385	D531,127	S *	10/2006	Zhong et al.	D13/147
D393,459	S *	4/1998	Barbeau et al.	D14/438	D534,184	S *	12/2006	Leija et al.	D14/496
D393,632	S *	4/1998	Sherry	D14/435	D534,545	S *	1/2007	Leija et al.	D14/496
D396,700	S *	8/1998	Butts et al.	D14/385	D535,295	S *	1/2007	Leibenguth	D14/385
5,818,198	A *	10/1998	Mito et al.	320/112	D535,650	S *	1/2007	Wong et al.	D14/240
5,838,548	A *	11/1998	Matz et al.	361/784	D535,651	S *	1/2007	Wong et al.	D14/240
D406,118	S *	2/1999	Koivisto	D14/385	D535,995	S *	1/2007	Orthey	D14/385
D407,393	S *	3/1999	Kazama	D14/125	D536,333	S *	2/2007	McRae et al.	D14/240
D411,767	S *	7/1999	Keller	D3/273	D536,696	S *	2/2007	McRae et al.	D14/240
D412,160	S *	7/1999	Nelson	D14/435	D536,703	S *	2/2007	Kim	D14/203.7
D412,322	S *	7/1999	Wu	D14/433	D537,034	S *	2/2007	Kang et al.	D13/103
D413,592	S *	9/1999	Saliba et al.	D14/435	D537,036	S *	2/2007	Chen	D14/433
5,965,292	A *	10/1999	Kim et al.	429/121	D537,780	S *	3/2007	Suckle	D13/133
D416,023	S *	11/1999	Du	D14/242	D538,795	S *	3/2007	Wong et al.	D14/240
D419,537	S *	1/2000	Rodriguez	D14/385	D540,793	S *	4/2007	Kim et al.	D14/358
D422,578	S *	4/2000	Bertrand et al.	D14/385	D540,798	S *	4/2007	Orthey	D14/385
6,059,614	A *	5/2000	Shelby et al.	439/717	D542,242	S *	5/2007	Mathews Reynolds	
D426,237	S *	6/2000	Wranne	D14/385				et al.	D14/125
D427,193	S *	6/2000	Fedele	D14/348	D542,784	S *	5/2007	Franck et al.	D14/240
6,109,948	A *	8/2000	Kuo	439/357	D545,768	S *	7/2007	Hsu	D13/147
D432,523	S *	10/2000	Grinkus et al.	D14/217	D549,193	S *	8/2007	Gomes et al.	D14/126
D439,579	S *	3/2001	Auclair et al.	D14/385	D550,169	S *	9/2007	Wu et al.	D13/180
D441,735	S *	5/2001	Katayama	D14/203.7	D550,196	S *	9/2007	Griffin et al.	D14/155
D441,757	S *	5/2001	Hui	D14/435	D551,383	S *	9/2007	Wu et al.	D26/118
D446,499	S *	8/2001	Andre et al.	D13/110	D554,584	S *	11/2007	Feldman et al.	D13/110
D450,053	S *	11/2001	Bush et al.	D14/435	D555,171	S *	11/2007	Dai	D14/496
D451,099	S *	11/2001	Lee	D14/435	D556,185	S *	11/2007	Motoishi et al.	D14/170
D454,110	S *	3/2002	Andre et al.	D13/110	D556,199	S *	11/2007	Song	D14/357
D461,797	S *	8/2002	Sumer et al.	D14/240	D556,683	S *	12/2007	Bonanno	D13/110
D464,339	S *	10/2002	Tomino et al.	D14/240	D556,705	S *	12/2007	Reynolds et al.	D14/125
D464,354	S *	10/2002	Small	D14/435	D560,228	S *	1/2008	Andre et al.	D14/496
D465,786	S *	11/2002	Hoge et al.	D14/475	D561,687	S *	2/2008	Sween et al.	D13/110
D468,743	S *	1/2003	Kawanobe et al.	D14/435	D562,269	S *	2/2008	Wu et al.	D13/180
D469,098	S *	1/2003	Otsuka	D14/435	D563,434	S *	3/2008	Dai	D14/496
D469,776	S *	2/2003	Laity et al.	D14/435	D563,943	S *	3/2008	Watanabe	D14/188
D470,848	S *	2/2003	Morooka	D14/433	7,341,472	B2 *	3/2008	Chao et al.	439/358
6,524,732	B1 *	2/2003	Iwaizono et al.	429/7	D565,568	S *	4/2008	Trifilio et al.	D14/356
D471,912	S *	3/2003	Camarota et al.	D14/433	D565,571	S *	4/2008	Trifilio et al.	D14/434
D473,222	S *	4/2003	Chiou	D14/240	D566,065	S *	4/2008	Whittaker et al.	D14/125
D474,154	S *	5/2003	Lai	D13/147	D566,115	S *	4/2008	Swanson et al.	D14/358
D475,708	S *	6/2003	Bergstrom	D14/385	D566,667	S *	4/2008	Whittaker et al.	D14/125
D476,656	S *	7/2003	Swanson et al.	D14/385	D566,668	S *	4/2008	Whittaker et al.	D14/125
D477,322	S *	7/2003	Chien	D14/385	D566,710	S *	4/2008	Chun et al.	D14/358
D480,372	S *	10/2003	Chen et al.	D14/507	D569,389	S *	5/2008	Andre et al.	D14/496
D483,725	S *	12/2003	Thompson et al.	D13/184	D570,876	S *	6/2008	Lee	D14/496
D484,853	S *	1/2004	Alviar	D13/110	D571,743	S *	6/2008	Tu	D14/125
D484,881	S *	1/2004	Lai	D14/385	D574,014	S *	7/2008	Dai	D14/496
D490,796	S *	6/2004	Allen	D14/507	D574,823	S *	8/2008	Wung	D14/357
D491,564	S *	6/2004	Chaney et al.	D14/435	D575,729	S *	8/2008	Nomi et al.	D13/107
D493,165	S *	7/2004	Kiple et al.	D14/242	D576,100	S *	9/2008	Wang	D13/110
D499,099	S *	11/2004	Su et al.	D14/385	D576,164	S *	9/2008	Takahashi	D14/385
D502,947	S *	3/2005	Zhang et al.	D14/385	D577,008	S *	9/2008	Andre et al.	D14/217
6,891,721	B2 *	5/2005	Huang	361/679.33	D577,664	S *	9/2008	Matsui	D13/107
D511,151	S *	11/2005	Wells	D14/125	D577,693	S *	9/2008	King et al.	D14/125
D511,763	S *	11/2005	Deguchi	D14/167	D577,990	S *	10/2008	Andre et al.	D8/395
D511,774	S *	11/2005	Tanio	D14/368	D578,119	S *	10/2008	Camarena et al.	D14/368
D513,253	S *	12/2005	Kawasaki	D14/363	D578,121	S *	10/2008	Goto	D14/385
D513,611	S *	1/2006	Hibi	D14/507	D578,991	S *	10/2008	Donovan et al.	D14/155
D513,615	S *	1/2006	Ryan	D14/385	D579,931	S *	11/2008	Chang	D14/242
D514,563	S *	2/2006	Kuramashi et al.	D14/358	D579,952	S *	11/2008	Yamada	D14/496
D515,088	S *	2/2006	Brown et al.	D14/357	D580,435	S *	11/2008	Huang et al.	D14/356
D515,545	S *	2/2006	Griffin	D14/155	D580,920	S *	11/2008	Wikel et al.	D14/240
D515,575	S *	2/2006	Dong et al.	D14/385	7,449,861	B2 *	11/2008	Horigome	320/106
D516,579	S *	3/2006	Nakamura	D14/496	D583,366	S *	12/2008	Chen	D14/240
D517,065	S *	3/2006	Ko et al.	D14/365	D583,367	S *	12/2008	Chen	D14/240
7,013,164	B2 *	3/2006	Lin	455/557	D584,253	S *	1/2009	Whittaker et al.	D14/125
D520,500	S *	5/2006	Storti et al.	D14/240	D585,077	S *	1/2009	Sheba et al.	D14/496
D520,502	S *	5/2006	Xu et al.	D14/356	D586,740	S *	2/2009	Song	D13/103
D522,531	S *	6/2006	Solomon et al.	D14/496	D586,741	S *	2/2009	Song	D13/103
D523,014	S *	6/2006	Liu et al.	D14/433	D587,209	S *	2/2009	Tsai et al.	D13/147
					D587,269	S *	2/2009	Keepports et al.	D14/358
					D588,545	S *	3/2009	Andre et al.	D13/154
					D589,530	S *	3/2009	Andre et al.	D14/496
					D590,826	S *	4/2009	Andre et al.	D14/341

(56)

References Cited

U.S. PATENT DOCUMENTS

D592,661	S *	5/2009	Woo et al.	D14/358	D660,796	S *	5/2012	Wen et al.	D13/110
D592,677	S *	5/2009	Sheba et al.	D14/496	D664,501	S *	7/2012	Inskeep	D13/107
D593,971	S *	6/2009	Kim et al.	D14/125	D664,994	S *	8/2012	Akana et al.	D14/496
D593,972	S *	6/2009	Cho et al.	D14/125	D665,734	S *	8/2012	Fitch et al.	D13/107
D594,002	S *	6/2009	Kettula	D14/240	D667,786	S *	9/2012	Ueda et al.	D13/107
D596,634	S *	7/2009	Wong et al.	D14/358	D667,788	S *	9/2012	Mai	D13/110
D597,090	S *	7/2009	Bemelmans	D14/341	D669,079	S *	10/2012	Hansen	D14/420
D598,402	S *	8/2009	Huang et al.	D14/125	D671,907	S *	12/2012	Behringer et al.	D14/188
D598,403	S *	8/2009	Huang et al.	D14/125	D672,780	S *	12/2012	Chen et al.	D14/433
D601,172	S *	9/2009	Andre et al.	D14/496	D673,564	S *	1/2013	Milliff	D14/358
D601,961	S *	10/2009	Mahaffey et al.	D13/123	D675,158	S *	1/2013	Smith et al.	D13/110
D602,891	S *	10/2009	Luo	D14/125	D676,380	S *	2/2013	Sun	D13/108
D604,725	S *	11/2009	Chen	D14/240	D676,808	S *	2/2013	Zhou	D13/108
D605,145	S *	12/2009	Kellar	D14/125	D677,218	S *	3/2013	Baker et al.	D13/107
D606,543	S *	12/2009	Wong et al.	D14/358	D677,623	S *	3/2013	Fitch et al.	D13/108
D612,329	S *	3/2010	Guccione et al.	D13/108	D678,191	S *	3/2013	Fitch et al.	D13/108
D614,127	S *	4/2010	Kingston et al.	D13/107	D678,876	S *	3/2013	Andre et al.	D14/341
D616,426	S *	5/2010	Ju et al.	D14/240	D679,711	S *	4/2013	Perry et al.	D14/434
D616,899	S *	6/2010	Andre et al.	D14/496	D680,068	S *	4/2013	Lee	D13/108
D617,268	S *	6/2010	Yen	D13/108	D680,492	S *	4/2013	Smith et al.	D13/110
D617,776	S *	6/2010	Hightower	D14/217	D682,251	S *	5/2013	Behringer et al.	D14/188
D618,226	S *	6/2010	Tong et al.	D14/240	D682,252	S *	5/2013	Behringer et al.	D14/188
D618,240	S *	6/2010	Larmour et al.	D14/358	D683,703	S *	6/2013	Akana et al.	D13/147
D619,127	S *	7/2010	Tong et al.	D14/240	D684,916	S *	6/2013	Ashida et al.	D12/332
D619,582	S *	7/2010	Chen	D14/420	D684,926	S *	6/2013	Murchison et al.	D13/107
D624,076	S *	9/2010	Huh et al.	D14/366	D684,976	S *	6/2013	Akana et al.	D14/433
D626,126	S *	10/2010	Park	D14/365	D685,320	S *	7/2013	Murchison et al.	D13/107
D626,552	S *	11/2010	Andre et al.	D14/341	D686,984	S *	7/2013	Henderson et al.	D13/107
D627,345	S *	11/2010	Govindasamy et al.	D14/356	D686,985	S *	7/2013	Henderson et al.	D13/107
D627,367	S *	11/2010	Andre et al.	D14/496	D687,023	S *	7/2013	Jung et al.	D14/242
D628,535	S *	12/2010	Cheng	D13/108	D687,768	S *	8/2013	Minamikawa	D13/107
D629,396	S *	12/2010	Andre et al.	D14/223	D690,287	S *	9/2013	Belfanti et al.	D14/214
D631,449	S *	1/2011	Ritter et al.	D14/125	D690,648	S *	10/2013	Ireland et al.	D13/108
D631,830	S *	2/2011	Onnerud et al.	D13/103	D692,921	S *	11/2013	Akana et al.	D14/496
D631,831	S *	2/2011	Onnerud et al.	D13/103	D694,708	S *	12/2013	Kim et al.	D13/108
D631,833	S *	2/2011	Onnerud et al.	D13/103	D698,789	S *	2/2014	Daniel	D14/385
D631,838	S *	2/2011	Cheng	D13/108	D698,792	S *	2/2014	Lin et al.	D14/435
D632,299	S *	2/2011	King	D14/438	D699,181	S *	2/2014	Hung et al.	D13/108
D632,694	S *	2/2011	Dickhoff et al.	D14/435	D699,188	S *	2/2014	Akana et al.	D13/147
D634,326	S *	3/2011	Gehrke	D14/435.1	D700,136	S *	2/2014	Morris et al.	D13/103
D638,385	S *	5/2011	Wong	D14/125	D702,236	S *	4/2014	Gelinotte et al.	D14/420
D638,854	S *	5/2011	Andre et al.	D14/496	D703,614	S *	4/2014	Lee et al.	D13/147
D639,298	S *	6/2011	Bouthillier	D14/357	D705,782	S *	5/2014	McParland et al.	D14/435
D639,736	S *	6/2011	Su	D13/110	D706,357	S *	6/2014	Ashida et al.	D21/332
D641,015	S *	7/2011	Gehrke	D14/257	D706,778	S *	6/2014	Kawasaki et al.	D14/356
D641,023	S *	7/2011	Chen et al.	D14/433	D706,779	S *	6/2014	Kawasaki et al.	D14/356
D641,363	S *	7/2011	Dublin	D14/356	2002/0021558	A1 *	2/2002	Schwarz et al.	361/729
D642,516	S *	8/2011	Ueda et al.	D13/103	2003/0071544	A1 *	4/2003	Chang	312/107
D643,807	S *	8/2011	Jiang	D13/103	2003/0077486	A1 *	4/2003	Iwaizono et al.	429/7
D644,623	S *	9/2011	Behringer et al.	D14/188	2003/0082441	A1 *	5/2003	Hovi et al.	429/123
D645,853	S *	9/2011	Gehrke	D14/257	2004/0091769	A1 *	5/2004	Kawabata et al.	429/163
D647,107	S *	10/2011	Akana et al.	D14/496	2004/0228061	A1 *	11/2004	Kim et al.	361/103
D648,690	S *	11/2011	Snodgrass et al.	D14/125	2004/0234848	A1 *	11/2004	Chung et al.	429/181
D648,719	S *	11/2011	Gehrke	D14/257	2005/0041387	A1 *	2/2005	Lee	361/685
D649,151	S *	11/2011	Ramones et al.	D14/358	2005/0049015	A1 *	3/2005	Wang	455/575.1
D650,738	S *	12/2011	Leung	D13/107	2005/0208345	A1 *	9/2005	Yoon et al.	429/7
D650,811	S *	12/2011	Andre et al.	D14/496	2005/0214597	A1 *	9/2005	Kim et al.	429/7
D651,564	S *	1/2012	Workman et al.	D13/108	2006/0056103	A1 *	3/2006	Hamming	360/97.01
D652,378	S *	1/2012	Liao	D13/108	2006/0099492	A1 *	5/2006	Jeon	429/61
D653,250	S *	1/2012	Gehrke	D14/257	2007/0026296	A1 *	2/2007	Byun et al.	429/72
D653,675	S *	2/2012	Akana et al.	D14/496	2007/0229025	A1 *	10/2007	Tsai et al.	320/111
D654,429	S *	2/2012	Li et al.	D13/103	2007/0293079	A1 *	12/2007	Chao et al.	439/352
D656,496	S *	3/2012	Andre et al.	D14/341	2009/0117412	A1 *	5/2009	Koh et al.	429/7
D656,955	S *	4/2012	Akana et al.	D14/496	2009/0123821	A1 *	5/2009	Kim	429/124
D657,381	S *	4/2012	Akana et al.	D14/496	2009/0154048	A1 *	6/2009	Jang et al.	361/106
D659,712	S *	5/2012	Andre et al.	D14/496	2009/0155684	A1 *	6/2009	Jang et al.	429/178
D660,795	S *	5/2012	Wen et al.	D13/110	2011/0003179	A1 *	1/2011	Jang	429/7
					2012/0262109	A1 *	10/2012	Toya et al.	320/108

* cited by examiner

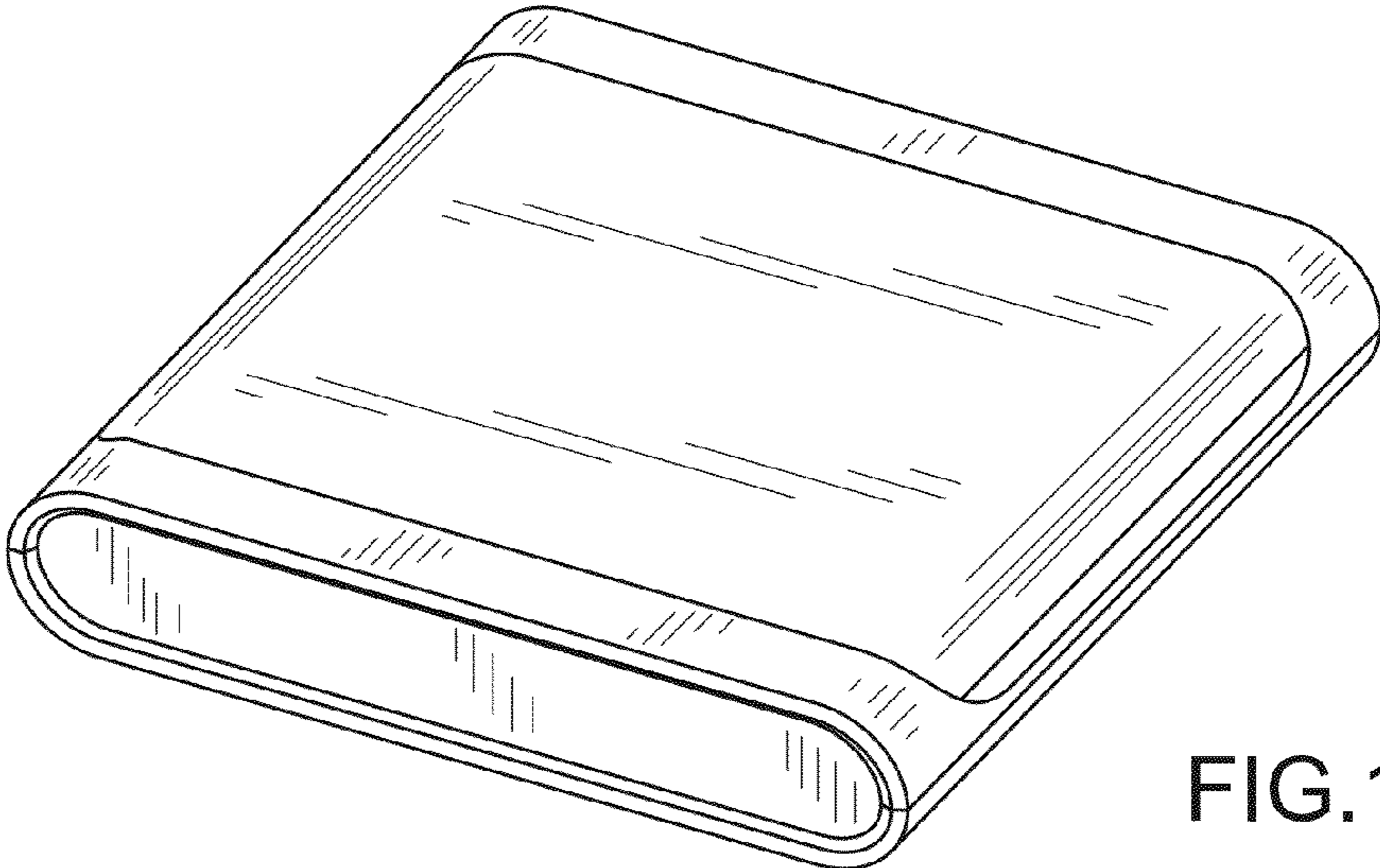


FIG.1

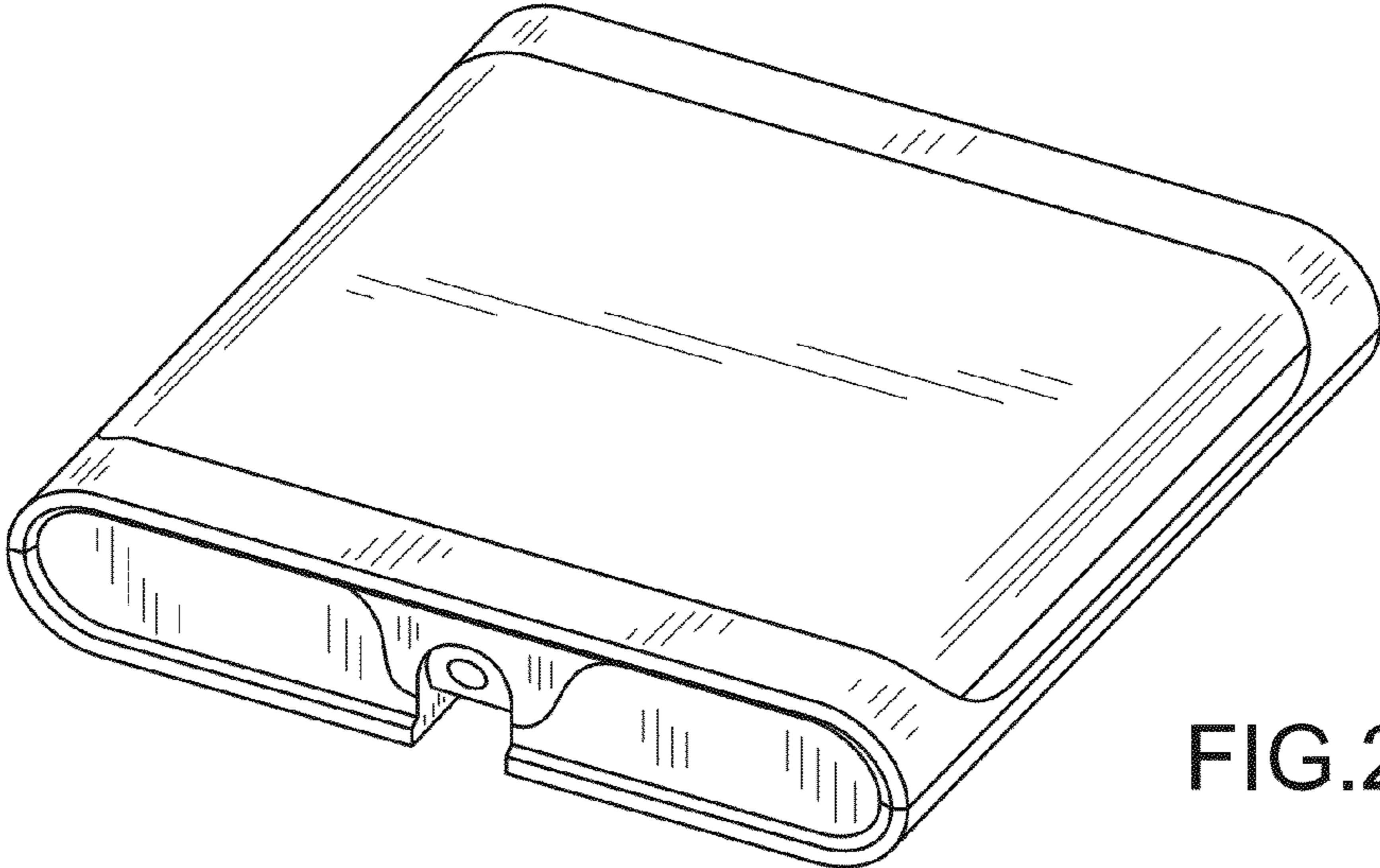


FIG.2

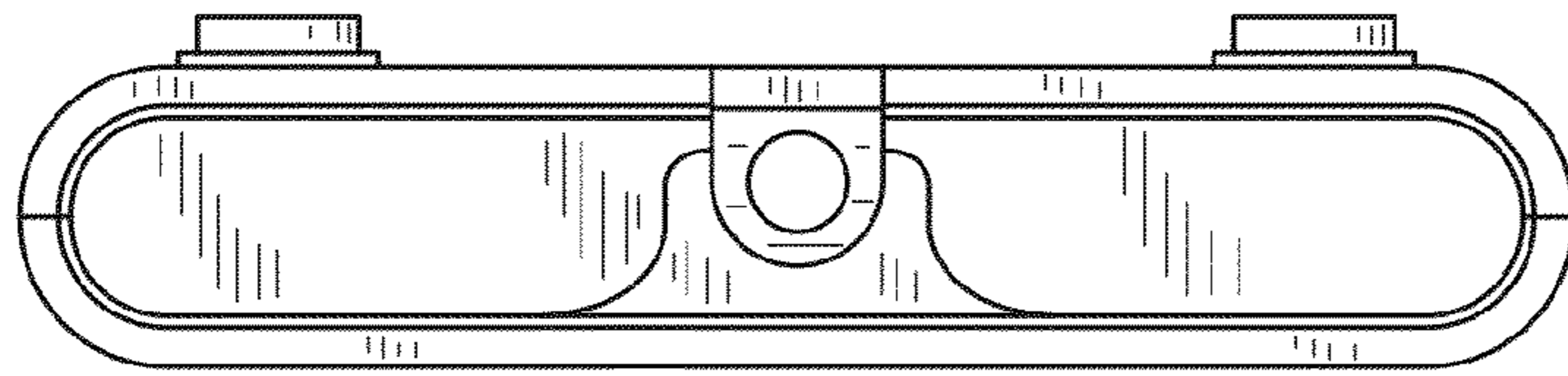


FIG.3

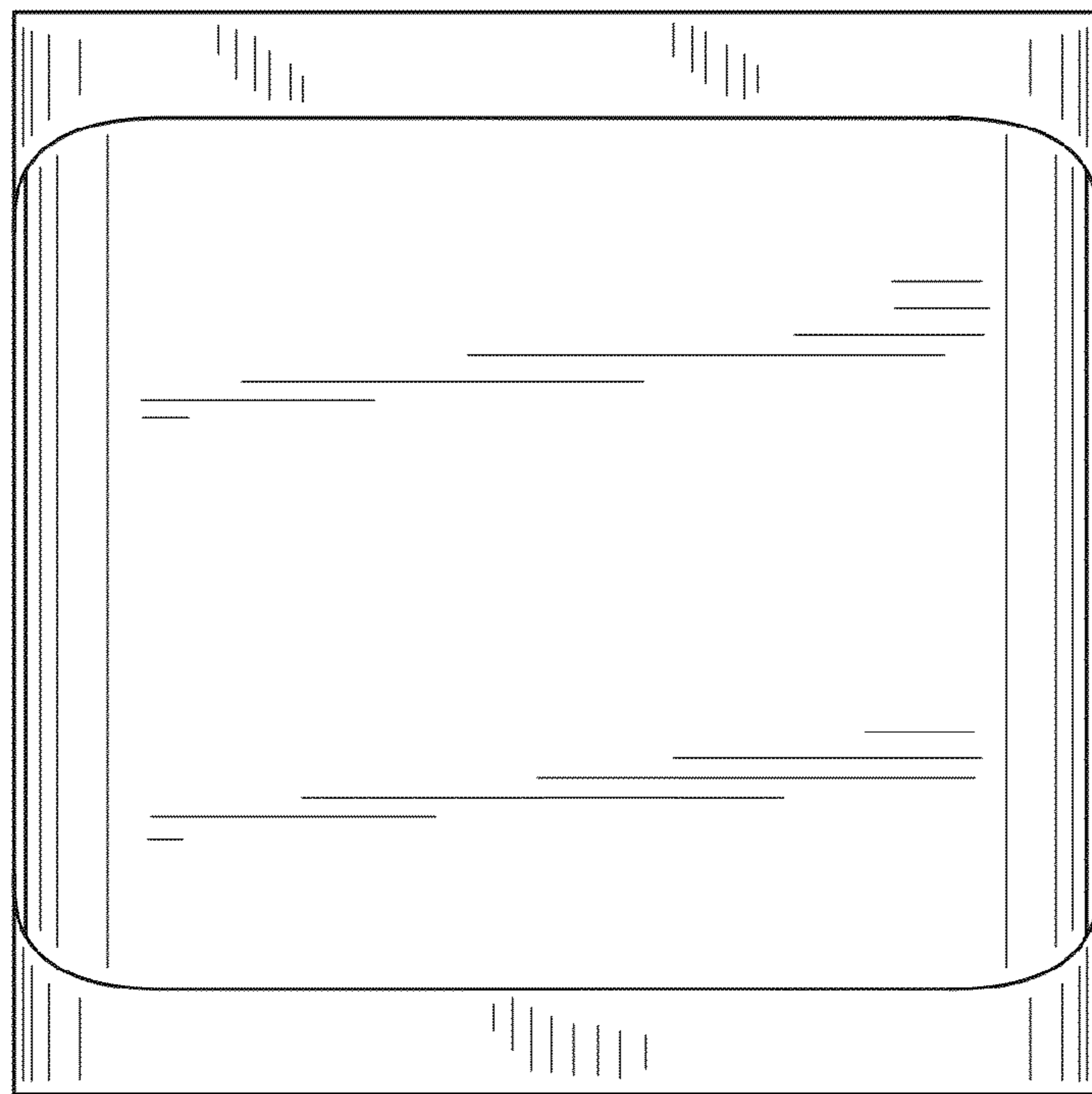


FIG.4

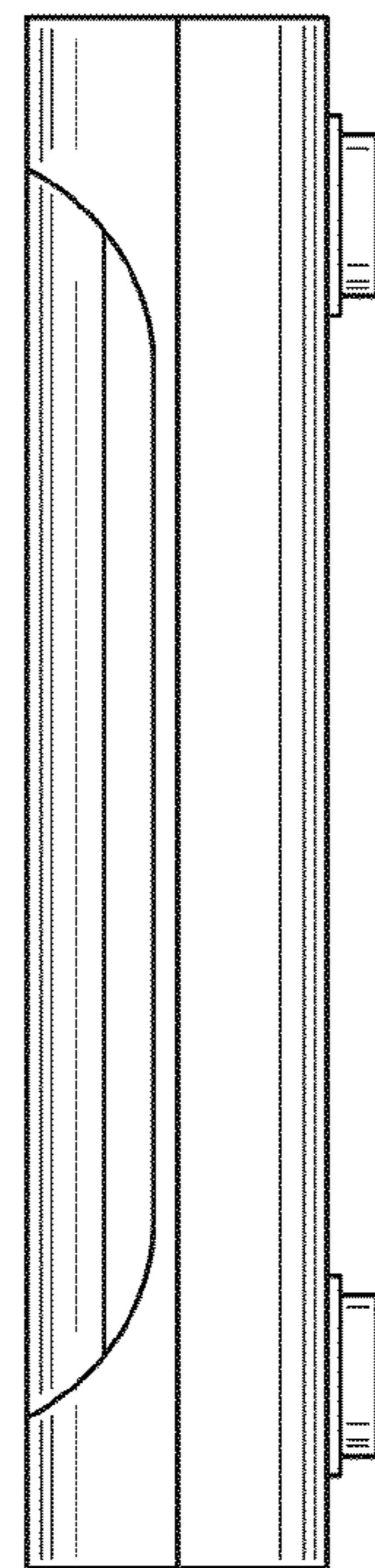


FIG.5

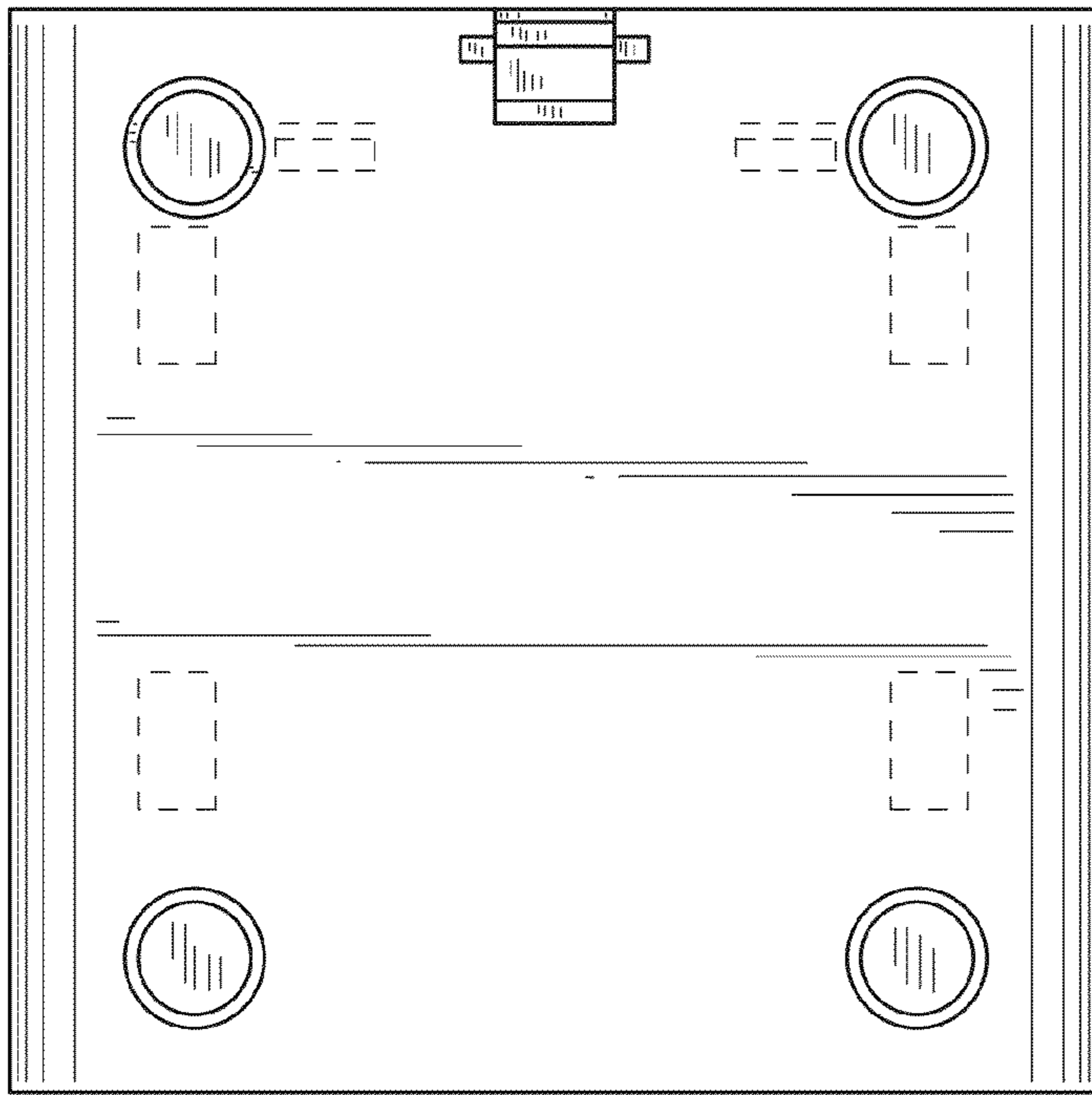


FIG. 6

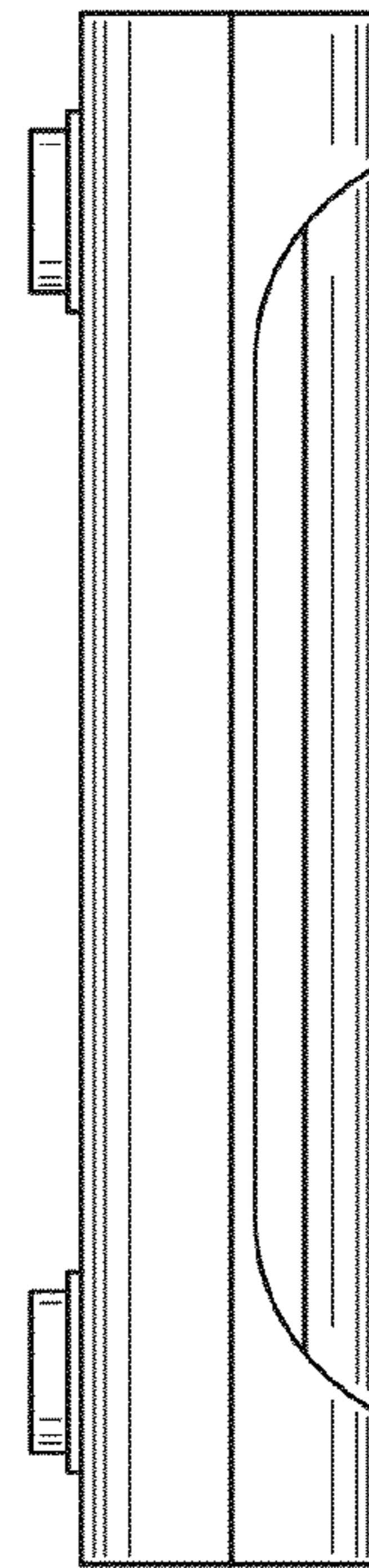


FIG. 7

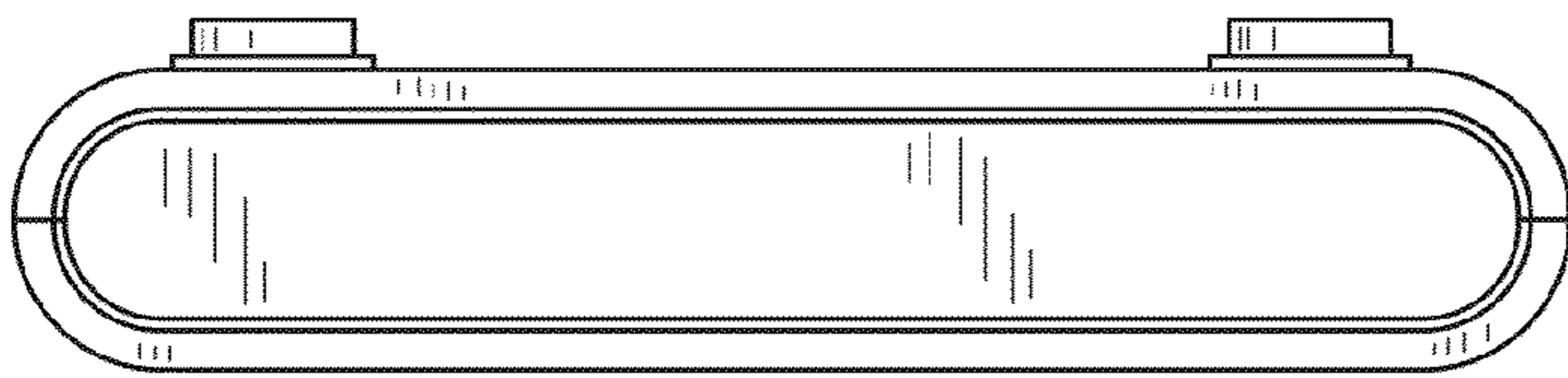


FIG. 8