



US00D812146S

(12) **United States Design Patent** (10) **Patent No.:** **US D812,146 S**
Castro et al. (45) **Date of Patent:** **** Mar. 6, 2018**

(54) **GAMING MACHINE WITH CURVED DISPLAY**

KR 10-1268471 B1 6/2013
KR 10-1278904 B1 6/2013
KR 10-1336677 B1 12/2013
KR 10-1381609 B1 4/2014

(71) Applicant: **Bally Gaming, Inc.**, Las Vegas, NV (US)

(Continued)

(72) Inventors: **Christian L. Castro**, Chicago, IL (US);
Robert J. Glenn, II, Chicago, IL (US);
Paul M. Lesley, Blue Island, IL (US)

OTHER PUBLICATIONS

TwinStar J43 Overview by SG Gaming dated Nov. 7, 2016. Found online [Dec. 13, 2017]<https://www.youtube.com/watch?v=WfVHK1z-oDM>.*

(73) Assignee: **BALLY GAMING, INC.**, Las Vegas, NV (US)

(Continued)

(**) Term: **15 Years**

Primary Examiner — Robert M. Spear
Assistant Examiner — Ryan Harvey

(21) Appl. No.: **29/598,188**

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(22) Filed: **Mar. 23, 2017**

(57) **CLAIM**

We claim the ornamental design for a gaming machine with curved display, as shown and described.

Related U.S. Application Data

DESCRIPTION

(63) Continuation of application No. 29/559,629, filed on Mar. 30, 2016.

(51) **LOC (11) Cl.** **21-03**

(52) **U.S. Cl.**
USPC **D21/369**

(58) **Field of Classification Search**
USPC D21/369, 370, 371, 385, 329, 325, 394;
D14/307, 172, 129, 325, 401, 371, 126,
(Continued)

FIG. 1 is a left isometric view of a gaming machine with curved display.

FIG. 2 is a right isometric view of the gaming machine with curved display shown in FIG. 1.

FIG. 3 is a front view of the gaming machine with curved display shown in FIG. 1.

FIG. 4 is a right side view of the gaming machine with curved display shown in FIG. 1.

FIG. 5 is a back view of the gaming machine with curved display shown in FIG. 1.

FIG. 6 is a left side view of the gaming machine with curved display shown in FIG. 1.

FIG. 7 is a top view of the gaming machine with curved display shown in FIG. 1; and,

FIG. 8 is a bottom view of the gaming machine with curved display shown in FIG. 1.

The broken lines are included for the purpose of illustrating unclaimed portions of the gaming machine with curved display, and form no part of the claimed design.

(56) **References Cited**

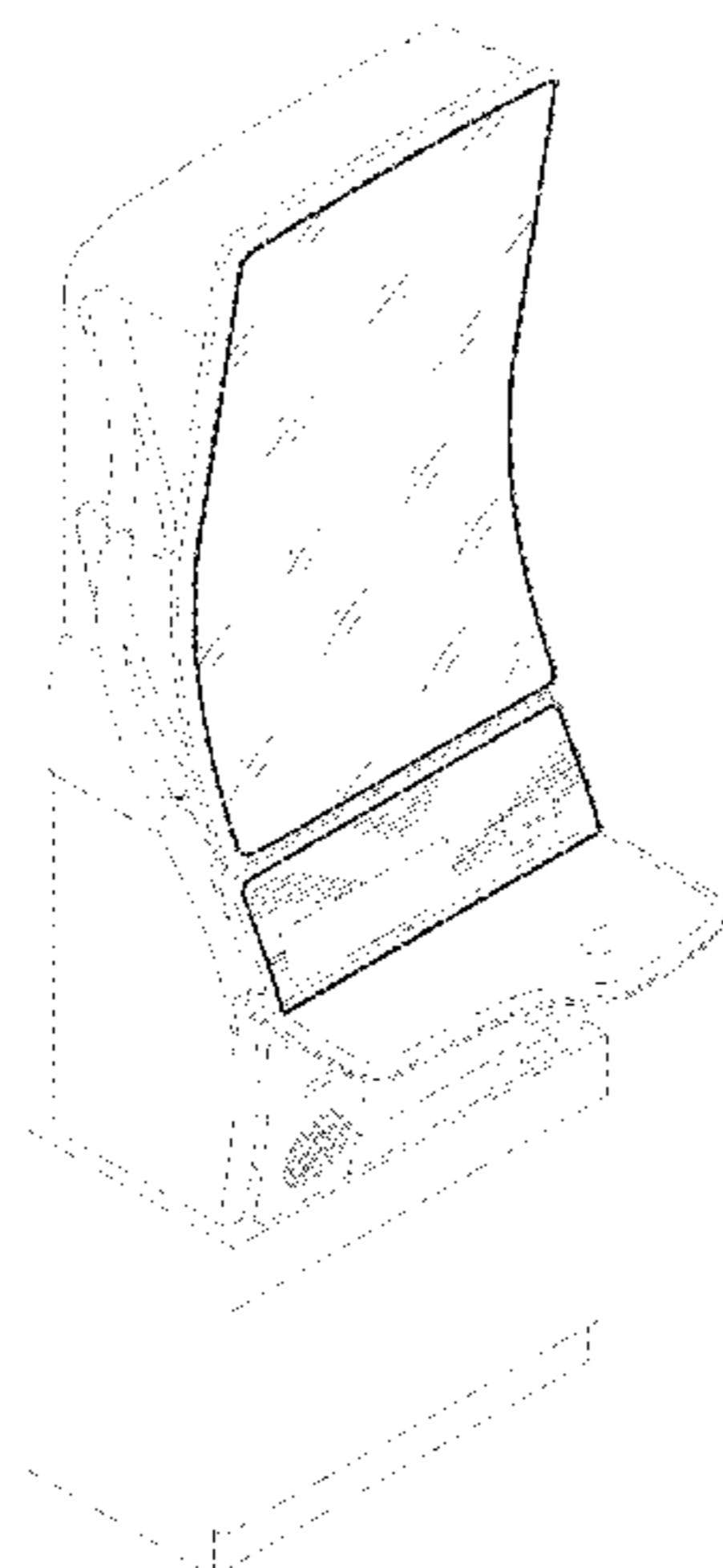
U.S. PATENT DOCUMENTS

2,661,954 A 12/1953 Koci
D236,720 S 9/1975 Baker
(Continued)

FOREIGN PATENT DOCUMENTS

EP 649 671 A1 4/1995
JP 33210172 B2 9/2001
KR 10-1113734 B1 2/2012
KR 10-2012-0051630 5/2012

1 Claim, 5 Drawing Sheets



(58) **Field of Classification Search**
 USPC D14/439, 432, 450, 128, 375; 463/28,
 463/13, 11, 16, 20, 25, 31, 46, 23, 30, 17,
 463/36, 29, 42, 34, 32, 35, 19, 21, 22;
 273/292, 203, 138.2, 143 R, 142 R, 138.1;
 D19/60; D16/226; D8/336, 331, 334;
 D26/141
 CPC G07F 17/32; G07F 17/34; G07F 17/3211;
 G07F 17/3244; G07F 17/3267
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D238,379 S 1/1976 Miller
 3,943,282 A * 3/1976 Muntz H04N 9/3141
 348/783
 4,046,419 A 9/1977 Schmitt
 D264,485 S 5/1982 Kitchen
 4,372,557 A 2/1983 Del Principe et al.
 4,373,725 A 2/1983 Ritchie
 D275,772 S 10/1984 Akopian et al.
 D280,835 S 10/1985 Berge et al.
 D280,836 S 10/1985 Ludzia et al.
 4,606,545 A 8/1986 Ritchie
 4,705,274 A 11/1987 Lubeck
 4,840,343 A 6/1989 Gasser
 4,861,037 A 8/1989 Oursler
 4,930,117 A 5/1990 Huggins
 4,981,298 A 1/1991 Lawlor et al.
 D315,110 S 3/1991 Slater
 5,015,189 A 5/1991 Wenzinger
 D318,660 S 7/1991 Weber
 5,074,558 A 12/1991 Bleich et al.
 5,083,738 A 1/1992 Infanti
 5,091,677 A 2/1992 Bleich et al.
 5,102,192 A 4/1992 Barile, Sr.
 5,110,120 A 5/1992 Smolucha
 5,114,112 A 5/1992 Infanti
 5,120,058 A 6/1992 Trudeau et al.
 5,123,647 A 6/1992 Lawlor et al.
 5,143,055 A 9/1992 Eakin
 5,149,094 A 9/1992 Tastad
 D333,164 S 2/1993 Kraft et al.
 5,193,807 A 3/1993 Schilling et al.
 5,195,746 A 3/1993 Boyd et al.
 D335,150 S 4/1993 Biagi et al.
 5,226,653 A 7/1993 Bil et al.
 5,232,191 A 8/1993 Infant
 5,290,034 A 3/1994 Hineman
 5,297,793 A 3/1994 DeMar et al.
 5,316,303 A 5/1994 Trudeau et al.
 5,322,283 A 6/1994 Ritchie et al.
 5,326,104 A 7/1994 Pease et al.
 5,350,174 A 9/1994 Ritchie et al.
 D351,869 S 10/1994 Rothschild et al.
 5,351,954 A 10/1994 Oursler et al.
 5,357,104 A 10/1994 Bleich
 5,358,241 A 10/1994 Anghelo et al.
 5,358,242 A 10/1994 Trudeau et al.
 5,358,243 A 10/1994 Eddy et al.
 D352,738 S 11/1994 Anghelo et al.
 5,383,663 A 1/1995 Anghelo et al.
 5,405,144 A 4/1995 Ritchie et al.
 5,409,296 A 4/1995 Barile
 5,411,257 A 5/1995 Fulton
 5,415,402 A 5/1995 Morrison et al.
 5,415,403 A 5/1995 Ritchie et al.
 5,417,423 A 5/1995 Oursler et al.
 5,417,425 A 5/1995 Blumberg et al.
 5,437,453 A 8/1995 Hineman
 5,465,963 A 11/1995 Pafla, Sr.
 5,472,197 A 12/1995 Gwiasda et al.
 5,494,286 A 2/1996 DeMar et al.
 5,507,488 A 4/1996 Eddy et al.
 5,511,783 A 4/1996 Popadiuk et al.

5,516,103 A 5/1996 Lawlor et al.
 5,522,641 A 6/1996 Infanti
 5,524,887 A 6/1996 Trudeau et al.
 5,533,726 A 7/1996 Nordman et al.
 5,542,748 A 8/1996 Barile
 D376,391 S 12/1996 Okumura
 5,580,052 A 12/1996 Popadiuk et al.
 5,632,482 A 5/1997 Anghelo
 D380,014 S 6/1997 Yang
 5,655,965 A 8/1997 Takemoto et al.
 5,664,777 A 9/1997 Nordman et al.
 5,669,818 A 9/1997 Thorner et al.
 5,678,886 A 10/1997 Infanti
 5,697,612 A 12/1997 Piotrowski et al.
 5,704,835 A 1/1998 Dietz, II
 5,707,059 A 1/1998 Sullivan et al.
 5,720,480 A 2/1998 Lawlor et al.
 D395,463 S 6/1998 Scott et al.
 5,762,617 A 6/1998 Infanti
 5,791,731 A 8/1998 Infanti
 5,806,851 A 9/1998 Gomez et al.
 5,820,460 A 10/1998 Fulton
 5,833,236 A 11/1998 Oursler et al.
 D405,473 S 2/1999 Tikhonski et al.
 D407,759 S 4/1999 Isetani et al.
 D408,366 S 4/1999 Popadiuk
 5,890,715 A 4/1999 Gomez et al.
 5,899,454 A 5/1999 Eddy et al.
 5,924,690 A 7/1999 Kopera et al.
 5,934,672 A 8/1999 Sines et al.
 5,938,195 A 8/1999 Anghelo et al.
 5,944,309 A 8/1999 Popadiuk et al.
 D417,145 S 11/1999 McLaughlin
 5,984,782 A 11/1999 Inoue
 6,000,697 A 12/1999 Popadiuk et al.
 D419,201 S 1/2000 de Haas
 D419,606 S 1/2000 Toriyama
 6,036,188 A 3/2000 Gomez et al.
 6,047,962 A 4/2000 Popadiuk
 6,047,963 A 4/2000 Pierce et al.
 D424,122 S 5/2000 Dickenson et al.
 6,071,190 A 6/2000 Weiss et al.
 D428,062 S 7/2000 Hayashi
 6,089,663 A 7/2000 Hill
 6,102,394 A 8/2000 Wurz et al.
 6,113,097 A 9/2000 Krutsch et al.
 6,117,010 A 9/2000 Canterbury et al.
 6,120,021 A 9/2000 Piotrowski et al.
 6,129,353 A 10/2000 DeMar et al.
 6,129,355 A 10/2000 Hahn et al.
 6,135,449 A 10/2000 Cornell et al.
 6,135,562 A 10/2000 Infanti
 6,149,153 A 11/2000 Sheats, Jr.
 6,155,565 A 12/2000 Gomez et al.
 6,155,925 A 12/2000 Giobbi et al.
 6,158,737 A 12/2000 Cornell et al.
 6,159,098 A 12/2000 Slomiany et al.
 6,164,644 A 12/2000 Cornell et al.
 6,173,955 B1 1/2001 Perrie et al.
 6,199,861 B1 3/2001 Hume et al.
 D439,931 S 4/2001 Yamaguchi
 6,210,279 B1 4/2001 Dickinson
 6,224,482 B1 5/2001 Bennett
 6,227,614 B1 5/2001 Rubin
 6,227,970 B1 5/2001 Shimizu et al.
 D443,313 S 6/2001 Brettschneider
 D446,252 S 8/2001 Yamaguchi
 6,283,546 B1 9/2001 Hill
 6,290,229 B1 9/2001 Perez
 D450,094 S 11/2001 Hedrick et al.
 6,334,612 B1 1/2002 Wurz et al.
 6,354,660 B1 3/2002 Friedrich
 D459,402 S 6/2002 Wurz et al.
 6,422,670 B1 7/2002 Hedrick et al.
 6,422,941 B1 7/2002 Thorner et al.
 6,439,993 B1 8/2002 O'Halloran
 D463,504 S 9/2002 Stephan
 D464,377 S 10/2002 Wurz et al.
 D465,813 S 11/2002 Randall

(56)

References Cited

U.S. PATENT DOCUMENTS

D466,160 S	11/2002	Hirato et al.	
D467,977 S	12/2002	Gatto et al.	
D468,364 S	1/2003	Beadell et al.	
6,530,842 B1	3/2003	Wells et al.	
6,572,187 B2	6/2003	Laufer	
6,589,114 B2	7/2003	Rose	
6,609,972 B2	8/2003	Seelig et al.	
6,616,142 B2	9/2003	Adams	
6,620,047 B1	9/2003	Alcorn et al.	
D481,078 S	10/2003	Stephan	
6,646,695 B1	11/2003	Gauselmann	
6,652,378 B2	11/2003	Cannon et al.	
D483,075 S	12/2003	Kang	
D484,548 S	12/2003	Franco Munoz et al.	
D485,583 S	1/2004	Porto	
6,715,756 B2	4/2004	Inoue	
6,729,618 B1	5/2004	Koenig et al.	
D492,363 S	6/2004	Seelig et al.	
D492,364 S	6/2004	Seelig et al.	
D492,365 S	6/2004	Munoz et al.	
D492,676 S	7/2004	Monson et al.	
D493,843 S	8/2004	Jackson, Sr. et al.	
D493,846 S	8/2004	Seelig et al.	
D495,754 S	9/2004	Wurz et al.	
D495,755 S	9/2004	Wurz et al.	
D498,267 S	11/2004	Crouch	
D500,098 S	12/2004	Doi	
6,880,825 B2	4/2005	Seelig et al.	
D505,162 S	5/2005	Bristol et al.	
D508,268 S	8/2005	Hanchar et al.	
D508,269 S	8/2005	Wichinsky	
D508,719 S	8/2005	de Haas	
D508,961 S	8/2005	Gatto et al.	
D509,254 S	9/2005	Rasmussen et al.	
D509,255 S	9/2005	Bristol et al.	
D512,105 S	11/2005	Chitrapongse et al.	
D513,511 S	1/2006	Decombe	
D515,144 S	2/2006	Boyd	
6,997,810 B2	2/2006	Cole	
D520,504 S	5/2006	Martin	
7,063,615 B2	6/2006	Alcorn et al.	
7,108,237 B2	9/2006	Gauselmann	
D531,677 S	11/2006	Mallory et al.	
7,184,277 B2	2/2007	Beime	
D537,885 S	3/2007	Gadda et al.	
D539,854 S	4/2007	Luciano et al.	
D540,398 S	4/2007	Gadda et al.	
D546,893 S	7/2007	Yamashita	
7,247,098 B1	7/2007	Bradford et al.	
D548,801 S	8/2007	Groswirt	
D549,785 S	8/2007	Luciano, Jr. et al.	
7,267,612 B2	9/2007	Alcorn et al.	
D554,710 S	11/2007	Malone et al.	
D556,765 S	12/2007	Evans et al.	
D557,748 S	12/2007	Jumper	
D559,328 S	1/2008	Rasmussen et al.	
D559,917 S	1/2008	Cole	
D560,724 S *	1/2008	Johnson D21/329	
D560,725 S *	1/2008	Johnson D21/329	
D563,326 S	3/2008	Patel et al.	
D563,481 S	3/2008	Looks et al.	
D564,600 S	3/2008	Greenberg et al.	
D564,601 S	3/2008	Strahinic et al.	
D566,197 S	4/2008	Greenberg et al.	
D569,863 S	5/2008	Feldstein et al.	
D572,314 S	7/2008	Vallejo et al.	
D573,417 S *	7/2008	Osbourn D7/641	
D578,168 S	10/2008	Looks et al.	
D581,983 S	12/2008	Bergstrom	
RE40,625 E	1/2009	Wurz et al.	
7,479,066 B2	1/2009	Emori	
D587,272 S	2/2009	Morrow et al.	
D587,319 S	2/2009	Moises Deiab	
RE40,671 E	3/2009	Wurz et al.	
7,503,849 B2	3/2009	Hornik et al.	
D590,025 S	4/2009	Fiore	
D594,068 S	6/2009	Hsu	
D596,678 S	7/2009	Myers	
D599,365 S	9/2009	Brown et al.	
D599,858 S *	9/2009	Lesley D21/370	
D599,859 S	9/2009	Lesley et al.	
D599,860 S	9/2009	Lesley et al.	
D601,638 S	10/2009	Palmisano	
D604,368 S	11/2009	Lesley et al.	
7,628,693 B2	12/2009	Thomas	
7,666,085 B2	2/2010	Vorias et al.	
7,686,689 B2	3/2010	Thomas	
D613,802 S	4/2010	Meyers et al.	
D615,598 S	5/2010	McComb et al.	
7,713,119 B2	5/2010	Pacey et al.	
D622,780 S	8/2010	Lesley et al.	
D622,781 S	8/2010	Lesley et al.	
D622,782 S	8/2010	Chudek et al.	
D626,182 S	10/2010	Cole et al.	
D626,183 S	10/2010	Cole et al.	
7,811,167 B2	10/2010	Giobbi et al.	
D631,060 S	1/2011	Flik et al.	
D631,100 S	1/2011	Palmisano	
D633,950 S	3/2011	Terpstra et al.	
D637,238 S	5/2011	O'Keene et al.	
D637,652 S	5/2011	Tahara et al.	
7,938,728 B2	5/2011	Vetter et al.	
7,955,176 B2	6/2011	Tastad et al.	
D641,047 S	7/2011	Tahara et al.	
7,976,393 B2	7/2011	Haga et al.	
7,985,139 B2	7/2011	Lind et al.	
8,002,424 B2	8/2011	Hwang et al.	
8,002,626 B2	8/2011	Englman	
D646,336 S *	10/2011	Kelly D21/329	
D646,337 S *	10/2011	Kelly D21/329	
D646,691 S	10/2011	Thai et al.	
D649,605 S	11/2011	Terpstra et al.	
D651,608 S	1/2012	Allen et al.	
8,152,623 B2	4/2012	Fiden	
8,162,740 B2	4/2012	Aoki	
8,216,061 B2	7/2012	Pacey	
8,267,764 B1	9/2012	Aoki et al.	
D669,076 S	10/2012	Haller	
8,292,451 B2	10/2012	Hwang et al.	
8,303,420 B2	11/2012	Chudek et al.	
8,305,743 B2	11/2012	Wu et al.	
8,323,114 B2	12/2012	Burak et al.	
D673,620 S	1/2013	Johnson et al.	
8,353,755 B2	1/2013	Vann et al.	
8,371,920 B2	2/2013	Gomez et al.	
8,371,927 B2	2/2013	Englman	
8,371,928 B2	2/2013	Englman et al.	
8,376,832 B2	2/2013	O'Connor et al.	
D678,955 S	3/2013	Lesley et al.	
D678,956 S	3/2013	Lesley et al.	
D678,957 S	3/2013	Cesaroni et al.	
D678,958 S	3/2013	Cesaroni et al.	
D681,130 S *	4/2013	Lesley D21/385	
8,430,756 B2	4/2013	McComb et al.	
D682,948 S *	5/2013	Cesaroni D21/385	
D685,033 S *	6/2013	Wudtke D21/370	
D691,665 S	10/2013	Chudek	
D691,666 S *	10/2013	Lesley D21/370	
D693,343 S	11/2013	Haller	
D697,558 S	1/2014	Myers et al.	
D704,273 S	5/2014	Chudek	
D704,275 S *	5/2014	Lesley D21/370	
D706,741 S *	6/2014	Myers D14/172	
D707,646 S *	6/2014	Kim D14/138 G	
D712,975 S *	9/2014	Lesley D21/369	
D713,811 S *	9/2014	Isaacs D14/138 AA	
D714,269 S *	9/2014	Lee D14/248	
D714,270 S *	9/2014	Lee D14/248	
D714,271 S *	9/2014	Lee D14/248	
D714,875 S	10/2014	Wudtke et al.	
D715,364 S	10/2014	Wudtke et al.	
D716,246 S *	10/2014	Yun D14/138 R	
D719,615 S *	12/2014	Inoue D21/370	
D719,616 S *	12/2014	Inoue D21/370	

(56)

References Cited

U.S. PATENT DOCUMENTS

8,982,545 B2 3/2015 Kim et al.
 D726,140 S * 4/2015 Park D14/138 R
 D730,993 S 6/2015 Castro et al.
 D733,088 S * 6/2015 Garneau D14/172
 D736,751 S * 8/2015 Lee D14/248
 D736,752 S * 8/2015 Lee D14/248
 D740,888 S * 10/2015 DePalma D21/370
 D742,974 S * 11/2015 Lesley D21/369
 D742,975 S * 11/2015 Myers D21/370
 D744,579 S * 12/2015 Cope D16/241
 D747,718 S * 1/2016 Drabant D14/371
 D760,846 S 7/2016 Castro et al.
 D762,613 S * 8/2016 Garneau D14/172
 RE46,169 E * 10/2016 Kelly G07F 17/34
 D21/329
 D770,406 S * 11/2016 Fleming, Jr. D14/125
 D786,242 S * 5/2017 Ho D14/127
 2002/0041069 A1 4/2002 Steelman
 2003/0122973 A1 7/2003 Huang
 2004/0018877 A1 1/2004 Tastad et al.
 2004/0029631 A1 2/2004 Duhamel
 2004/0053662 A1 3/2004 Pacey
 2005/0014547 A1 1/2005 Gomez et al.
 2006/0009284 A1 1/2006 Schwartz et al.
 2006/0034042 A1 2/2006 Hisano et al.
 2006/0079316 A1 4/2006 Flemming et al.
 2006/0131810 A1 6/2006 Nicely
 2006/0183553 A1 8/2006 Kiriyama et al.
 2006/0199638 A1 9/2006 Walker et al.
 2006/0281559 A1 12/2006 Luciano
 2006/0287111 A1 12/2006 Mitchell et al.
 2008/0039213 A1 2/2008 Cornell et al.
 2008/0051202 A1 2/2008 Lube
 2009/0174996 A1 7/2009 Park
 2010/0053231 A1 3/2010 Park
 2012/0122569 A1 5/2012 Kowolik et al.
 2012/0168058 A1 7/2012 Kim et al.
 2013/0180653 A1 7/2013 Kim et al.
 2013/0278875 A1 10/2013 Kim et al.
 2013/0321373 A1 * 12/2013 Yoshizumi G09G 5/00
 345/211
 2014/0055696 A1 2/2014 Lee et al.
 2014/0092356 A1 4/2014 Ahn et al.
 2014/0176856 A1 6/2014 Lee et al.
 2014/0226111 A1 8/2014 Kim
 2014/0226112 A1 8/2014 Kim
 2014/0354938 A1 12/2014 Kim
 2014/0368782 A1 12/2014 Kim et al.
 2014/0375963 A1 12/2014 Bishop
 2015/0000823 A1 1/2015 Kim et al.
 2015/0036073 A1 2/2015 Im et al.
 2015/0116621 A1 4/2015 Park et al.
 2015/0116625 A1 4/2015 Hwang et al.
 2015/0301390 A1 10/2015 Kim

FOREIGN PATENT DOCUMENTS

KR 10-1381610 B1 4/2014
 KR 10-2015-0013987 2/2015
 KR 10-1539221 B1 7/2015
 TW 200949775 A 12/2009

OTHER PUBLICATIONS

DigiTimes Inc.; “FPD China 2009: AUO 8.9-inch convex display panel”; Mar. 12, 2009; retrieved from <<http://www.digitimes.com/photogallery/showphoto.asp?ID=3376>> on Mar. 3, 2017 (3 pages).
 Ljt216; “Flat Screen vs Curved CRTs for Retro Games”; Reddit; Jul. 29, 2015; retrieved from <https://www.reddit.com/r/gamecollecting/comments/3f25r0/flat_screen_vs_curved_crts_for_retrogames/> (4 pages).
 Product Sheet for “American Eagle,” Eagle Co. Ltd., 1997 (2 pages).

Product Sheet for “Monopoly Chairman of the Board™,” WMS Gaming Inc., 1999 (2 pages).
 Product Sheet for “American Eagle,” Eagle Co. Ltd., 2000 (2 pages).
 Product Sheet for “Survivor,” WMS Gaming Inc., 2001 (4 pages).
 Product Sheet for “ProSLOT®6000,” Bally Gaming Systems, 2002 (4 pages).
 Product Sheet for “EVO™ Hybrid,” Bally Gaming Systems, 2002 (4 pages).
 Product Sheet for “3RV™,” WMS Gaming In., 2002 or earlier (2 pages).
 Product Sheet for “Miss America,” AC Coin & Slot, 2002 or earlier (2 pages).
 Product Catalog for Ainsworth Game Technology Ltd, date estimated as early as 2007 (6 pages).
 Product Sheet for “Ultrapin™,” Global VR, 2007 (1 pages).
 Brochure for “Virtual Pinball;” Tab—Austria, 2007 (8 pages).
 Catalog for Atronic®-Spielo®, date estimated as early as 2008 (2 pages).
 Product Catalog for “Alpha Elite™,” Bally Technologies, date estimated as early as 2008-2009 (2 pages).
 Cabinet Brochure for Hydako Co., date estimated as early as 2009 (1 page).
 Product Catalog for Bally Technologies, date estimated as early as 2010 (2 pages).
 Fall & Winter Catalog for Aristocrat, date estimated as early as 2010-2011 (7 pages).
 Catalog for “Your Partner Innovation,” Bally Technologies, date estimated as early as 2011 (4 pages).
 Photonics industry and Technology Development Association (PIDA); “E-Paper Shows Potential at Creating a Paperless Haven”; OptoLink Magazine, 3 Quarter 2008; pp. 8-11 (4 pages).
 AU Optronics Corp.; News Center. “AUO Announces Multiple Upcoming Innovations”; Oct. 27, 2008; retrieved from <<http://www.auo.com/?sn=107&lang=en-US&c=10&n=363>> on Mar. 3, 2017 (2 pages).
 Gizmodo.com; “AUO Curved Displays, Ultra Thin LCDs on the Way”; May 20, 2008; retrieved from <<http://gizmodo.com/392248/auo-curved-displays-ultra-thin-lcds-on-the-way>> on Mar. 3, 2017 (2 pages).
 PC World; “AU Optronics Shows off Curved LCD Screen”; May 20, 2008; retrieved from <<http://www.pcworld.com/article/146083/article.amp.html>> on Mar. 3, 2017 (3 pages).
 DailyTech; “Auo Shows Off Curved Display and Touch Screen”; May 23, 2008; retrieved from <<http://www.dailytech.com/AUO+Shows+Off+Curved+Display+and+Touch+Screen+Tech/article11845.htm>> on Mar. 3, 2017 (2 pages).
 OLED-Info; “LG Phillips LCD Develops 14.3-Inch Color E-Paper Display”; Jan. 4, 2008; retrieved from <http://www.oled-info.com/lg/lg_philips_lcd_develops_14_3_inch_color_e_paper_display>; (2 pages).
 NewLaunches.com; “LG Phillips LCD develops world’s highest resolution 14.3-inch flexible color E-paper display!”; Jan. 3, 2008; retrieved from <http://newlaunches.com/archives/lgphilips_lcd_develops_worlds_highest_resolution_143inch_flexible_color_epaper_display.php> (4 pages).
 Wood, M., Major, C., Carr, V. eds.; “Curved Screens: Worth It?” video found at <<http://www.nytimes.com/video/technology/personaltech/10000002788325/curved-screens-worth-it.html>>; New York Times; Mar. 26, 2014.
 Immersaview; “Why choose a Curved Screen for your Multi-Projector Setup”; Jan. 28, 2016; retrieved from <<https://www.immersaview.com/resources/why-curved/>> (7 pages).
 Denison; “Why can’t you buy a flat OLED yet? The curve isn’t just about viewing experience”; Digital Trends; Aug. 18, 2013; retrieved from <<http://www.digitaltrends.com/home-theater-why-did-the-us-get-stuck-with-curved-oled/#!zXypT>> (8 pages).
 Wilcox; “LG, Samsung, and Sony throw TV buyers a curve”; Consumer Reports; Sep. 10, 2013; retrieved from <<http://www.consumerreports.org/cro/news/2013/09/curved-tv-screens/index.htm#>> (1 page).

(56)

References Cited

OTHER PUBLICATIONS

Snider; “Sony tosses latest pitch for curved TV displays”; USA Today; Oct. 15, 2013; retrieved from <<http://www.usatoday.com/story/tech/personal/2013/10/15/new-curved-sony-led-hdtv/2982051/>> (2 pages).

Morrison; “Curved OLED HDTV screens are a bad idea (for now)”; CNET; Jun. 18, 2013; retrieved from <<https://www.cnet.com/news/curved-oled-hdtv-screens-are-a-bad-idea-for-now/>> (9 pages).

Cohran; “Why Samsung’s curved-screen TV might be a ‘game changer’”; CBS News; Aug. 14, 2013; retrieved from <<http://www.cbsnews.com/news/why-samsungs-curved-screen-tv-might-be-a-game-changer/>> (3 pages).

Kelly; “TV trends at CES: 4K, curves and smart TVs”; CNN; Jan. 8, 2014; retrieved from <<http://www.cnn.com/2014/01/07/tech/gaming-gadgets/ces-television-trends/>> (5 pages).

Manjoo; “TV Makers Are Out of Ideas”; Wall Street Journal; Jan. 8, 2014; retrieved from <<https://www.wsj.com/news/articles/SB100014240527023033938045790308801012230792>> (4 pages).

Daniel; “Curved Monitors—Overview”; Curved Monitor Test; Aug. 28, 2015; retrieved from <<http://www.curved-monitor-test.de/>> (5 pages).

Matthias; “Curved TV—Overview”; Curved TV Test; Apr. 20, 2016; retrieved from <<http://technikblog.net/fernseher-test/curved-tv/>> (16 pages, in German).

* cited by examiner

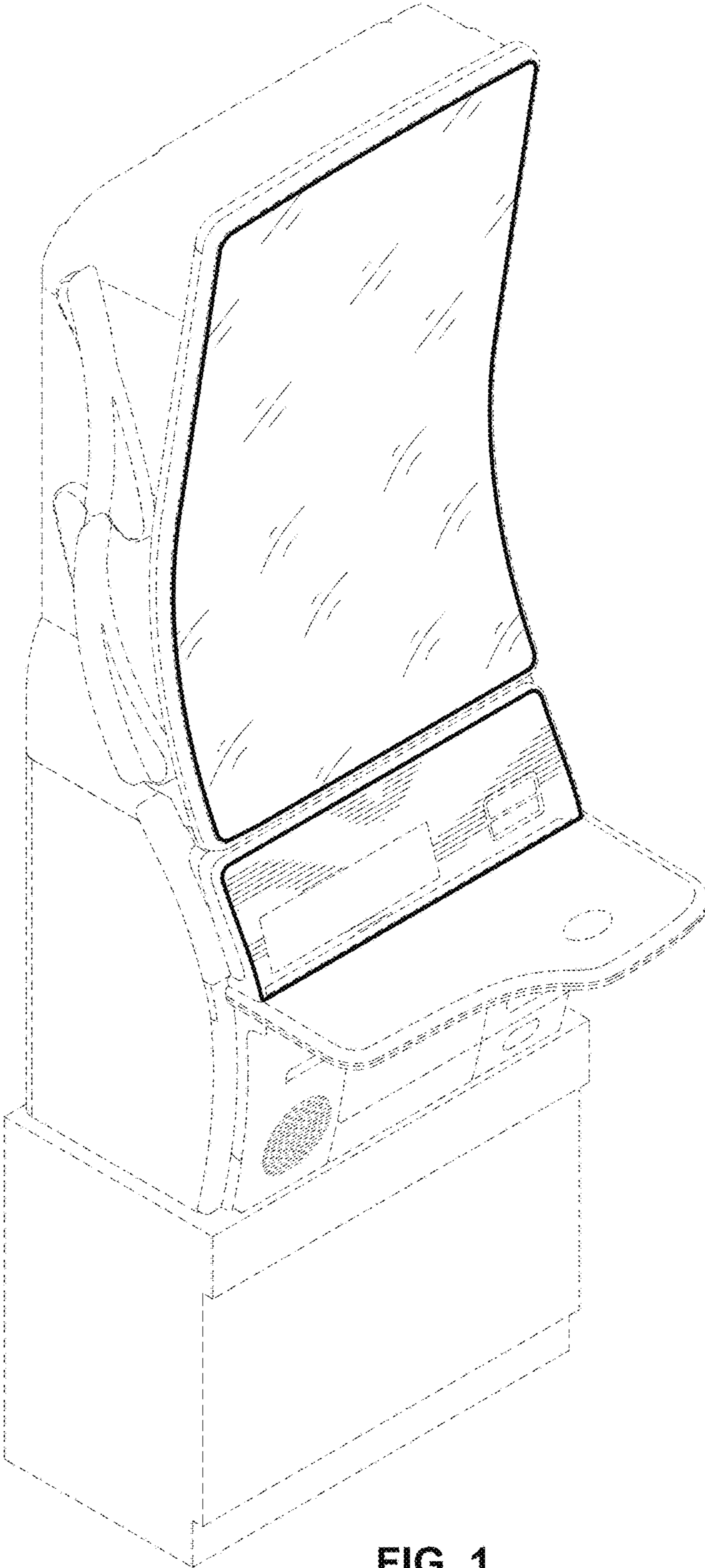


FIG. 1

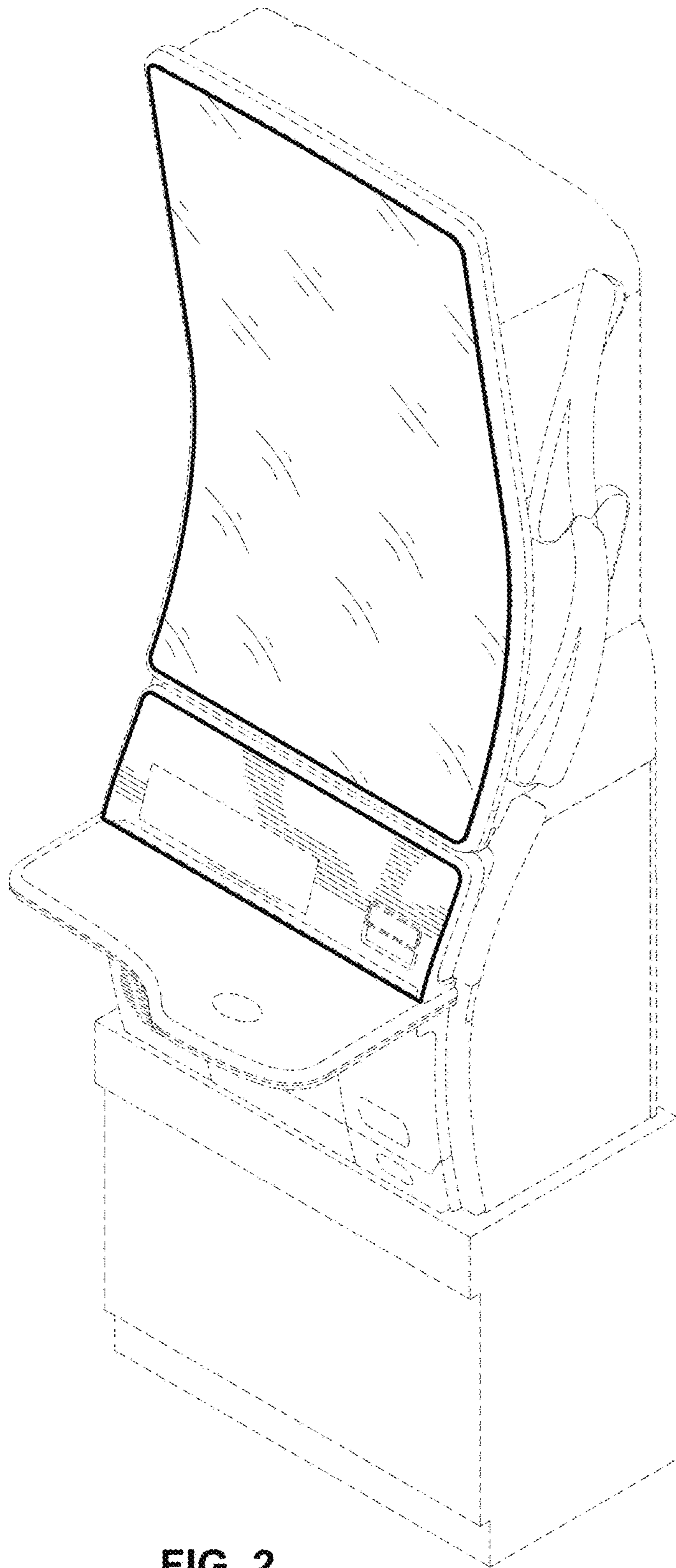


FIG. 2

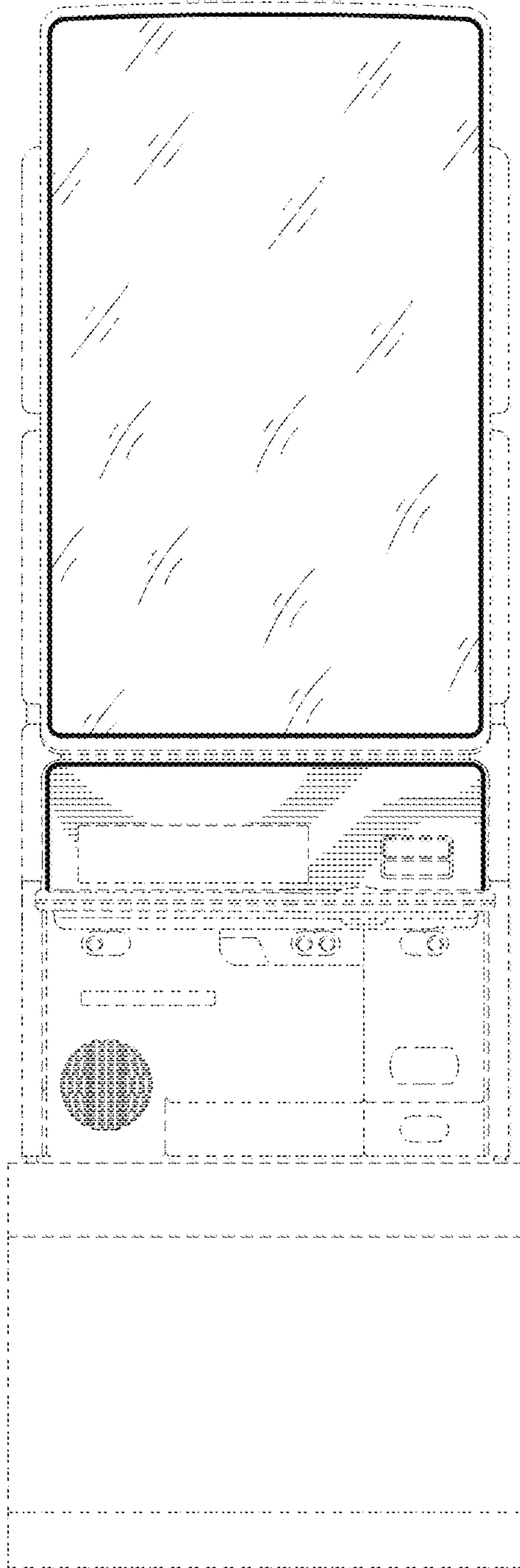


FIG. 3

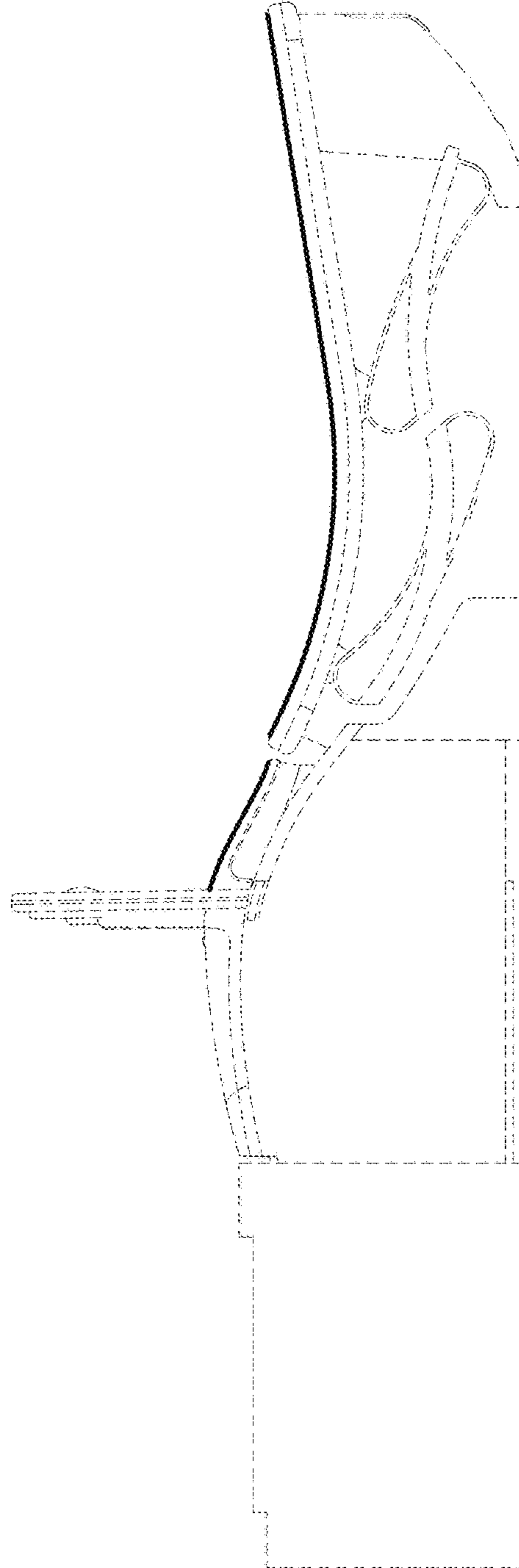


FIG. 4

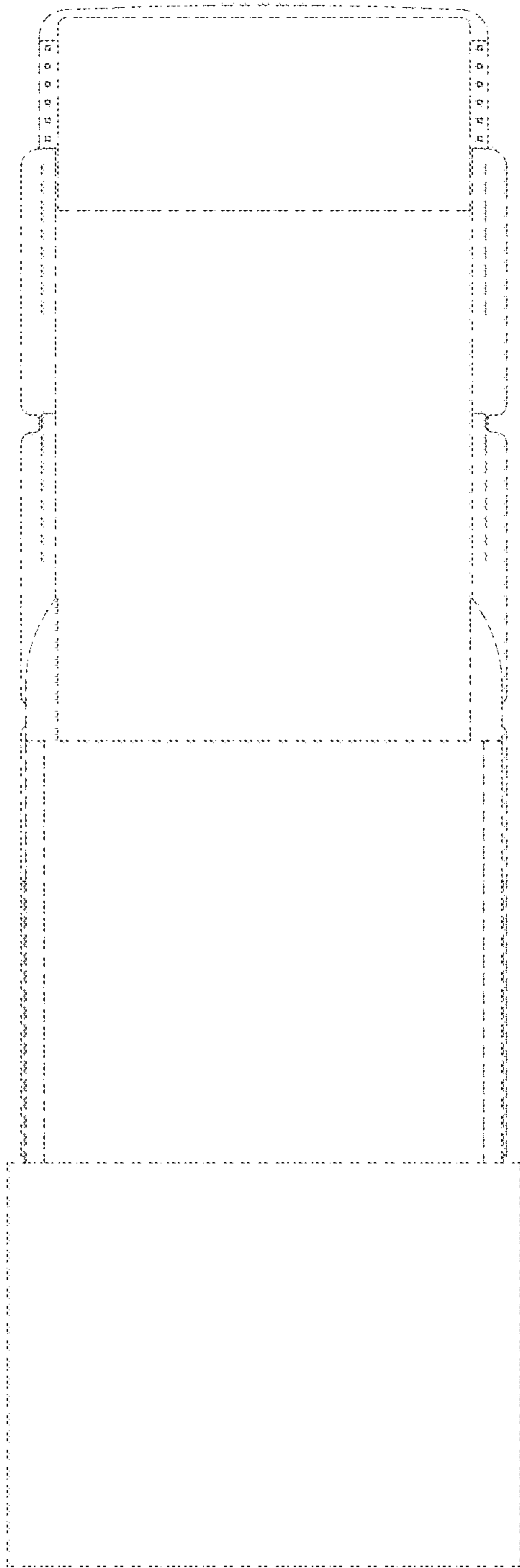


FIG. 5

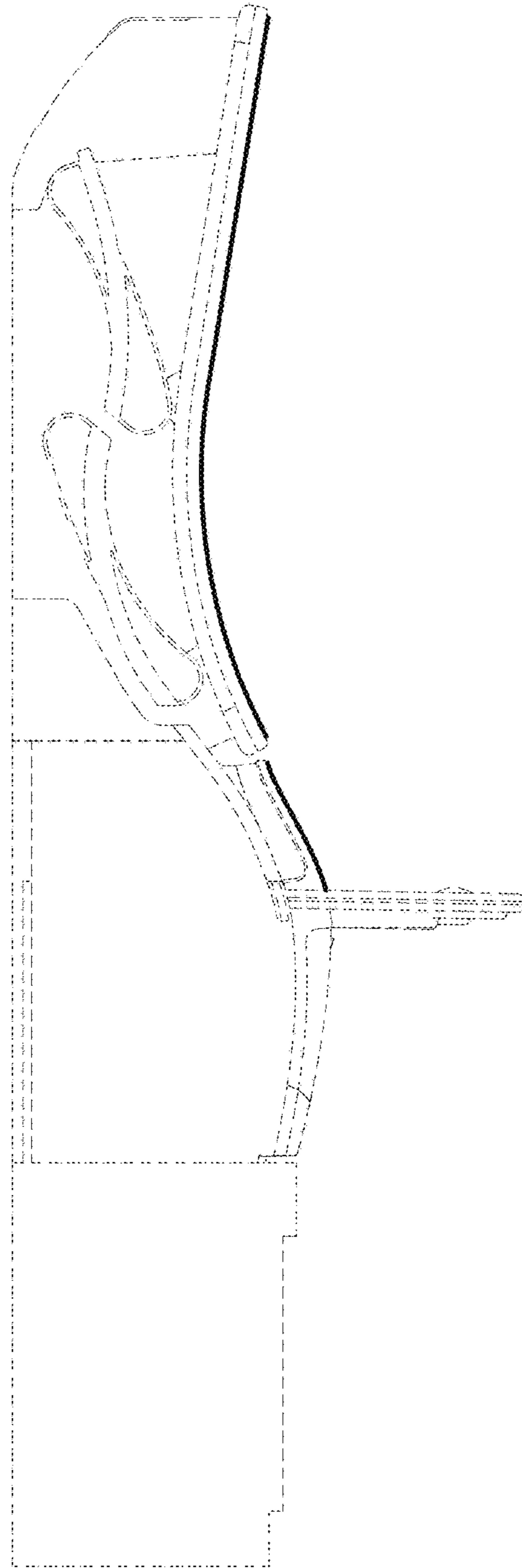


FIG. 6

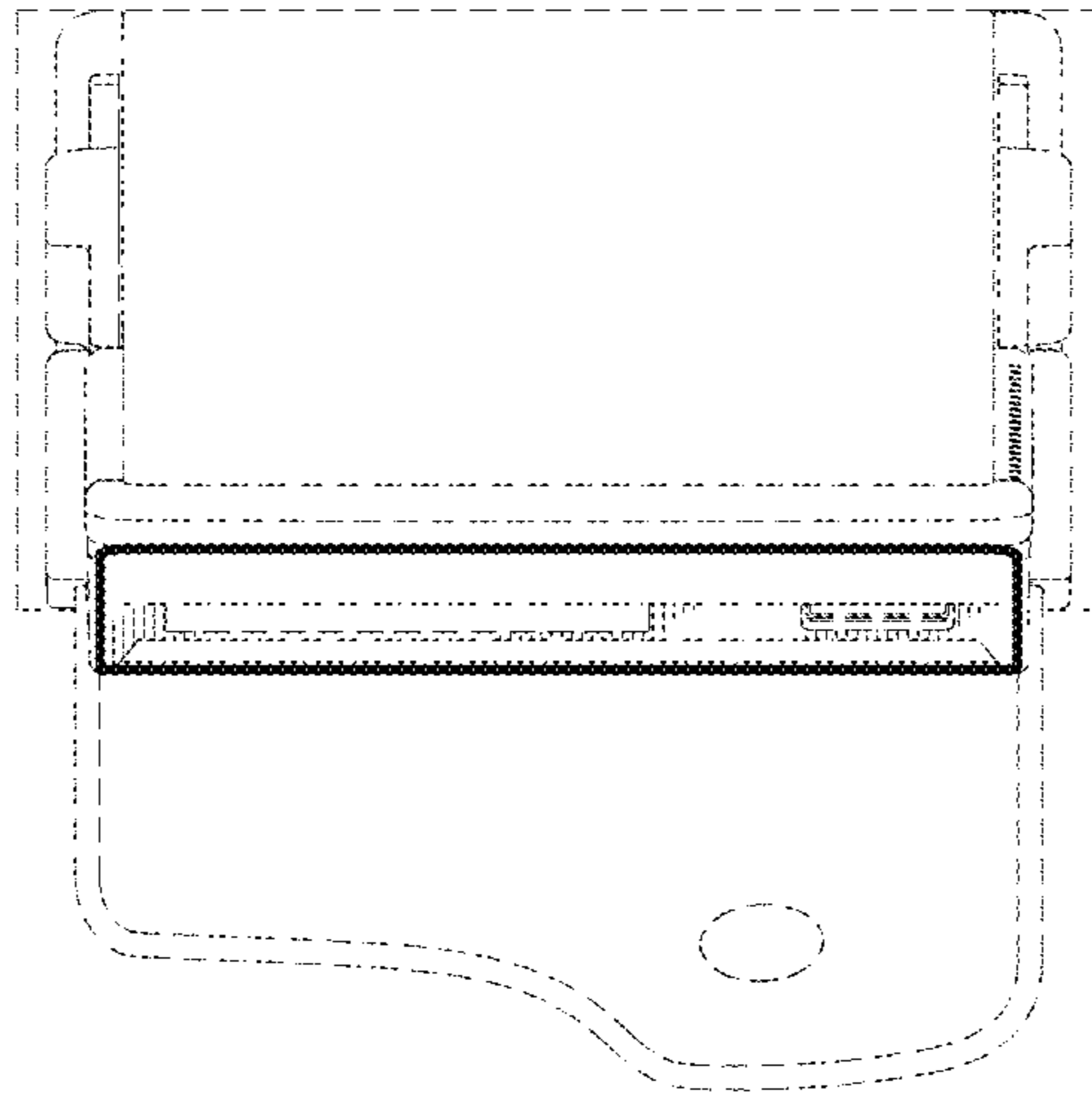


FIG. 7

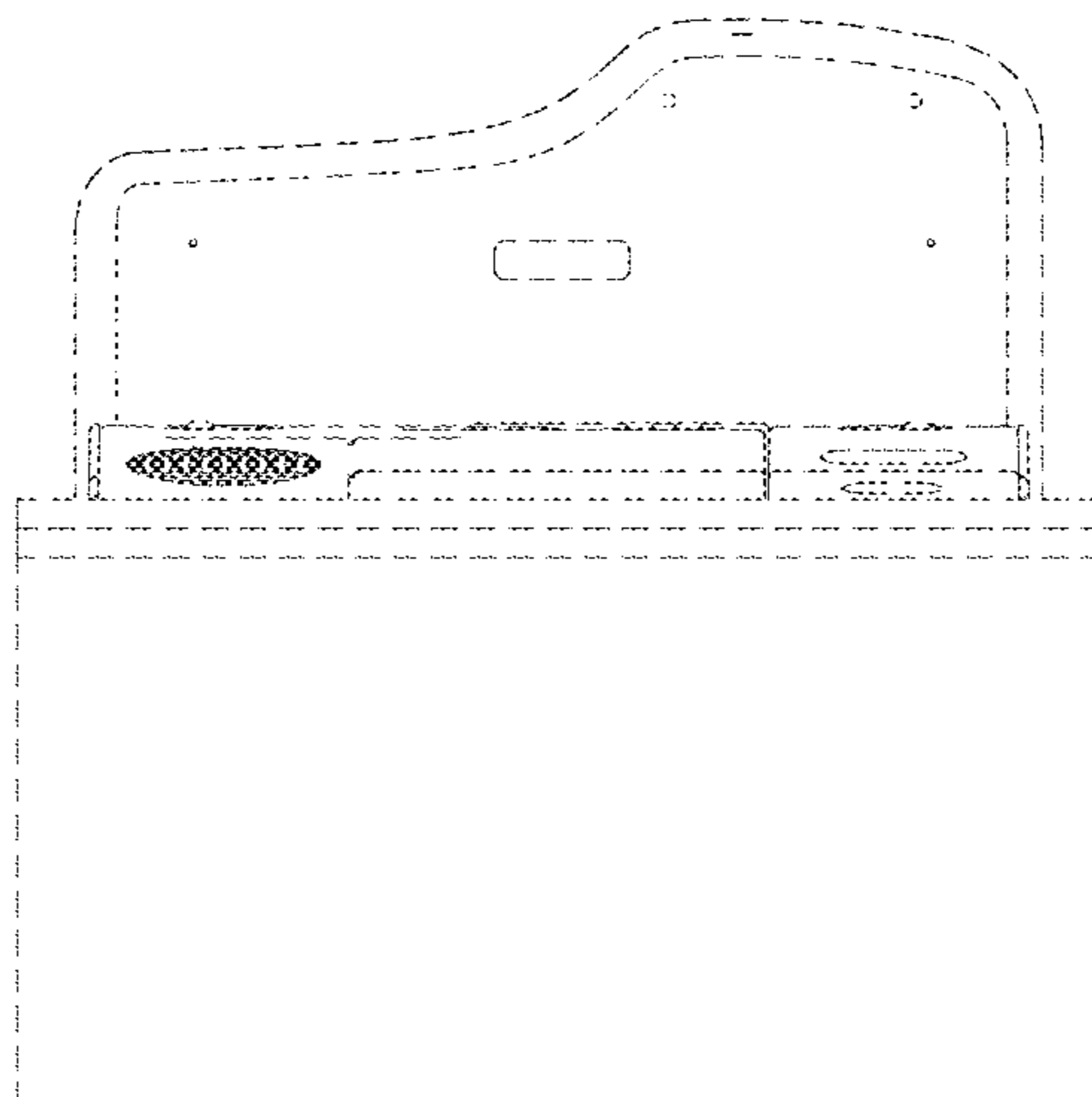


FIG. 8