



US00D880606S

(12) **United States Design Patent** (10) **Patent No.:** **US D880,606 S**
Glenn, II et al. (45) **Date of Patent:** **** Apr. 7, 2020**

(54) **GAMING TERMINAL**
(71) Applicant: **BALLY GAMING, INC.**, Las Vegas, NV (US)
(72) Inventors: **Robert J. Glenn, II**, Chicago, IL (US);
Christian L. Castro, Chicago, IL (US);
Paul M. Lesley, Blue Island, IL (US)
(73) Assignee: **SG Gaming, Inc.**, Las Vegas, NV (US)

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
4,960,117 A 10/1990 Moncrief et al.
4,981,298 A 1/1991 Lawlor et al.

(Continued)

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

FOREIGN PATENT DOCUMENTS

(21) Appl. No.: **29/619,384**

EP 649 671 A1 4/1995
JP 03210172 B2 9/2001

(22) Filed: **Sep. 28, 2017**

(Continued)

(51) **LOC (12) Cl.** **21-03**

OTHER PUBLICATIONS

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

Product Sheet for "American Eagle," Eagle Co. Ltd., 1997 (2 pages).

(58) **Field of Classification Search**
USPC D21/369, 370, 371, 385, 329, 325, 394;
D14/307, 172, 129, 325, 401, 371, 126,
D14/439, 432, 450, 128, 375, 248, 374,
D14/341, 138 G, 127; 463/28, 13, 11,
463/16, 20, 25, 31, 46, 23, 30, 17, 36, 29,
463/42, 34, 32, 35, 19, 21, 22; 273/292,
273/203, 138.2, 143 R, 142 R, 138.1;
D19/60; D16/226; D8/335, 331, 334;
D26/141; D7/641
CPC G07F 17/32; G07F 17/34; G07F 17/3211;
G07F 17/3244; G07F 17/3267
See application file for complete search history.

(Continued)

Primary Examiner — Ryan Harvey
(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a gaming terminal, as shown and described.

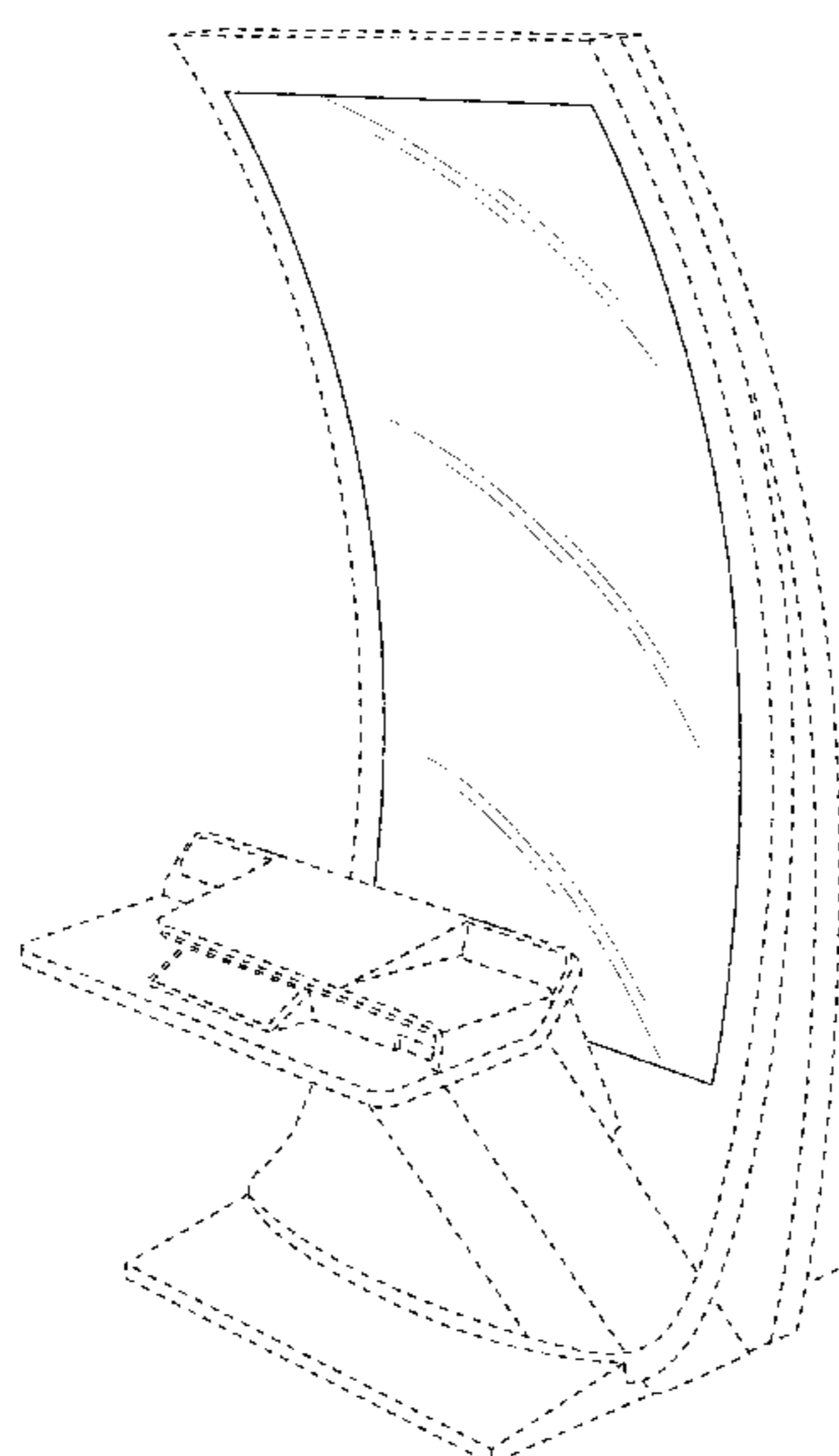
DESCRIPTION

FIG. 1 is a front perspective view of a gaming terminal showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a left side view thereof; and,
FIG. 5 is a top view thereof.
The broken line showing of the remainder of the gaming terminal illustrates environmental structure and forms 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
D238,379 S 1/1976 Miller
4,046,419 A 9/1977 Schmitt
D264,485 S 5/1982 Kitchen
4,372,557 A 2/1983 Del Principe et al.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|---------|---------------------|--------------|---------|---------------------|
| D315,110 S | 3/1991 | Slater | 5,924,690 A | 7/1999 | Kopera et al. |
| 5,015,189 A | 5/1991 | Wenzinger | 5,934,672 A | 8/1999 | Sines et al. |
| D318,660 S | 7/1991 | Weber | 5,938,195 A | 8/1999 | Anghelo et al. |
| 5,074,558 A | 12/1991 | Bleich et al. | 5,944,309 A | 8/1999 | Popadiuk et al. |
| 5,083,738 A | 1/1992 | Infanti | D417,145 S | 11/1999 | McLaughlin |
| 5,091,677 A | 2/1992 | Bleich et al. | 5,984,782 A | 11/1999 | Inoue |
| 5,102,192 A | 4/1992 | Barile, Sr. | 6,000,697 A | 12/1999 | Popadiuk et al. |
| 5,110,120 A | 5/1992 | Smolucha | D419,201 S | 1/2000 | de Haas |
| 5,114,112 A | 5/1992 | Infanti | D419,606 S | 1/2000 | Toriyama |
| 5,120,058 A | 6/1992 | Trudeau et al. | 6,036,188 A | 3/2000 | Gomez et al. |
| 5,123,647 A | 6/1992 | Lawlor et al. | 6,047,962 A | 4/2000 | Popadiuk |
| 5,143,055 A | 9/1992 | Eakin | 6,047,963 A | 4/2000 | Pierce et al. |
| 5,149,094 A | 9/1992 | Tastad | D424,122 S | 5/2000 | Dickenson et al. |
| D333,164 S | 2/1993 | Kraft et al. | 6,071,190 A | 6/2000 | Weiss et al. |
| 5,193,807 A | 3/1993 | Schilling et al. | D428,062 S | 7/2000 | Hayashi |
| 5,195,746 A | 3/1993 | Boyd et al. | 6,089,663 A | 7/2000 | Hill |
| D335,150 S | 4/1993 | Biagi et al. | 6,102,394 A | 8/2000 | Wurz et al. |
| 5,226,653 A | 7/1993 | Bil et al. | 6,113,097 A | 9/2000 | Krutsch et al. |
| 5,232,191 A | 8/1993 | Infanti | 6,117,010 A | 9/2000 | Canterbury et al. |
| 5,290,034 A | 3/1994 | Hineman | 6,120,021 A | 9/2000 | Piotrowski et al. |
| 5,297,793 A | 3/1994 | DeMar et al. | 6,129,353 A | 10/2000 | DeMar et al. |
| 5,316,303 A | 5/1994 | Trudeau et al. | 6,129,355 A | 10/2000 | Hahn et al. |
| 5,322,283 A | 6/1994 | Ritchie et al. | 6,135,449 A | 10/2000 | Cornell et al. |
| 5,326,104 A | 7/1994 | Pease et al. | 6,135,562 A | 10/2000 | Infanti |
| 5,350,174 A | 9/1994 | Ritchie et al. | 6,149,153 A | 11/2000 | Sheats, Jr. |
| D351,869 S | 10/1994 | Rothschild et al. | 6,155,565 A | 12/2000 | Gomez et al. |
| 5,351,954 A | 10/1994 | Oursler et al. | 6,155,925 A | 12/2000 | Giobbi et al. |
| 5,357,104 A | 10/1994 | Bleich | 6,158,737 A | 12/2000 | Cornell et al. |
| 5,358,241 A | 10/1994 | Anghelo et al. | 6,159,098 A | 12/2000 | Slomiany et al. |
| 5,358,242 A | 10/1994 | Trudeau et al. | 6,164,644 A | 12/2000 | Cornell et al. |
| 5,358,243 A | 10/1994 | Eddy et al. | 6,173,955 B1 | 1/2001 | Perrie et al. |
| D352,738 S | 11/1994 | Anghelo et al. | 6,199,861 B1 | 3/2001 | Hume et al. |
| 5,383,663 A | 1/1995 | Anghelo et al. | D439,931 S | 4/2001 | Yamaguchi |
| 5,405,144 A | 4/1995 | Ritchie et al. | 6,210,279 B1 | 4/2001 | Dickinson |
| 5,409,296 A | 4/1995 | Barile | 6,224,482 B1 | 5/2001 | Bennett |
| 5,411,257 A | 5/1995 | Fulton | 6,227,614 B1 | 5/2001 | Rubin |
| 5,415,402 A | 5/1995 | Morrison et al. | 6,227,970 B1 | 5/2001 | Shimizu et al. |
| 5,415,403 A | 5/1995 | Ritchie et al. | D443,313 S | 6/2001 | Brettschneider |
| 5,417,423 A | 5/1995 | Oursler et al. | D446,252 S | 8/2001 | Yamaguchi |
| 5,417,425 A | 5/1995 | Blumberg et al. | 6,283,546 B1 | 9/2001 | Hill |
| 5,437,453 A | 8/1995 | Hineman | 6,290,229 B1 | 9/2001 | Perez |
| 5,465,963 A | 11/1995 | Patla, Sr. | D450,094 S | 11/2001 | Hedrick et al. |
| 5,472,197 A | 12/1995 | Gwiasda et al. | 6,334,612 B1 | 1/2002 | Wurz et al. |
| 5,494,286 A | 2/1996 | DeMar et al. | 6,354,660 B1 | 3/2002 | Friedrich |
| 5,507,488 A | 4/1996 | Eddy et al. | D459,402 S | 6/2002 | Wurz et al. |
| 5,511,783 A | 4/1996 | Popadiuk et al. | 6,422,670 B1 | 7/2002 | Hedrick et al. |
| 5,516,103 A | 5/1996 | Lawlor et al. | 6,422,941 B1 | 7/2002 | Thorner et al. |
| 5,522,641 A | 6/1996 | Infanti | 6,439,993 B1 | 8/2002 | O'Halloran |
| 5,524,887 A | 6/1996 | Trudeau et al. | D463,504 S | 9/2002 | Stephan |
| 5,533,726 A | 7/1996 | Nordman et al. | D464,377 S | 10/2002 | Wurz et al. |
| 5,542,748 A | 8/1996 | Barile | D465,813 S | 11/2002 | Randall |
| D376,391 S | 12/1996 | Okumura | D466,160 S | 11/2002 | Hirato et al. |
| 5,580,052 A | 12/1996 | Popadiuk et al. | D467,977 S | 12/2002 | Gatto et al. |
| 5,632,482 A | 5/1997 | Anghelo | D468,364 S | 1/2003 | Beadell et al. |
| D380,014 S | 6/1997 | Yang | 6,530,842 B1 | 3/2003 | Wells et al. |
| 5,655,965 A | 8/1997 | Takemoto et al. | 6,530,872 B2 | 3/2003 | Frehland et al. |
| 5,664,777 A | 9/1997 | Nordman et al. | 6,572,187 B2 | 6/2003 | Laufer |
| 5,669,818 A | 9/1997 | Thorner et al. | 6,589,114 B2 | 7/2003 | Rose |
| 5,678,886 A | 10/1997 | Infanti | 6,609,972 B2 | 8/2003 | Seelig et al. |
| 5,697,612 A | 12/1997 | Piotrowski et al. | 6,616,142 B2 | 9/2003 | Adams |
| 5,704,835 A | 1/1998 | Dietz, II | 6,620,047 B1 | 9/2003 | Alcorn et al. |
| 5,707,059 A | 1/1998 | Sullivan et al. | D481,078 S | 10/2003 | Stephan |
| 5,720,480 A | 2/1998 | Lawlor et al. | 6,646,695 B1 | 11/2003 | Gauselmann |
| D395,463 S | 6/1998 | Scott et al. | 6,652,378 B2 | 11/2003 | Cannon et al. |
| 5,762,617 A | 6/1998 | Infanti | D483,075 S | 12/2003 | Kang |
| 5,791,731 A | 8/1998 | Infanti | D484,548 S | 12/2003 | Franco Munoz et al. |
| 5,806,851 A | 9/1998 | Gomez et al. | D485,583 S | 1/2004 | Porto |
| 5,820,460 A | 10/1998 | Fulton | 6,715,756 B2 | 4/2004 | Inoue |
| 5,833,236 A | 11/1998 | Oursler et al. | 6,729,618 B1 | 5/2004 | Koenig et al. |
| D405,473 S | 2/1999 | Tikhonski et al. | D492,363 S | 6/2004 | Seelig et al. |
| D407,759 S | 4/1999 | Isetani et al. | D492,364 S | 6/2004 | Seelig et al. |
| D408,366 S | 4/1999 | Popadiuk | D492,365 S | 6/2004 | Munoz et al. |
| D408,458 S * | 4/1999 | Hempel D20/10 | D492,676 S | 7/2004 | Monson et al. |
| 5,890,715 A | 4/1999 | Gomez et al. | D493,843 S | 8/2004 | Jackson, Sr. et al. |
| 5,899,454 A | 5/1999 | Eddy 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 |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|---------|---------------------|--------------|---------|-------------------------|
| 6,880,825 B2 | 4/2005 | Seelig et al. | 7,955,176 B2 | 6/2011 | Tastad et al. |
| D505,162 S | 5/2005 | Bristol et al. | D641,047 S | 7/2011 | Tahara et al. |
| D508,268 S | 8/2005 | Hanchar et al. | 7,976,393 B2 | 7/2011 | Haga et al. |
| D508,269 S | 8/2005 | Wichinsky | 7,985,139 B2 | 7/2011 | Lind et al. |
| D508,719 S | 8/2005 | de Haas | 8,002,424 B2 | 8/2011 | Hwang et al. |
| D508,961 S | 8/2005 | Gatto et al. | 8,002,626 B2 | 8/2011 | Englman |
| D509,254 S | 9/2005 | Rasmussen et al. | D646,336 S | 10/2011 | Kelly et al. |
| D509,255 S | 9/2005 | Bristol et al. | D646,337 S | 10/2011 | Kelly et al. |
| D512,105 S | 11/2005 | Chitrapongse et al. | D646,691 S | 10/2011 | Thai et al. |
| D513,511 S | 1/2006 | Decombe | D649,605 S | 11/2011 | Terpstra et al. |
| D515,144 S | 2/2006 | Boyd | D651,608 S | 1/2012 | Allen et al. |
| 6,997,810 B2 | 2/2006 | Cole | 8,152,623 B2 | 4/2012 | Fiden |
| D520,504 S | 5/2006 | Martin | 8,162,740 B2 | 4/2012 | Aoki |
| 7,063,615 B2 | 6/2006 | Alcorn et al. | 8,216,061 B2 | 7/2012 | Pacey |
| 7,108,237 B2 | 9/2006 | Gauselmann | 8,267,764 B1 | 9/2012 | Aoki et al. |
| D531,677 S | 11/2006 | Mallory et al. | D669,076 S | 10/2012 | Haller |
| 7,184,277 B2 | 2/2007 | Beirne | 8,292,451 B2 | 10/2012 | Hwang et al. |
| D537,885 S | 3/2007 | Gadda et al. | 8,303,420 B2 | 11/2012 | Chudek et al. |
| D539,854 S | 4/2007 | Luciano et al. | 8,305,743 B2 | 11/2012 | Wu et al. |
| D540,398 S | 4/2007 | Gadda et al. | 8,323,114 B2 | 12/2012 | Burak et al. |
| D546,893 S | 7/2007 | Yamashita | D673,620 S | 1/2013 | Johnson et al. |
| 7,247,098 B1 | 7/2007 | Bradford et al. | 8,353,755 B2 | 1/2013 | Vann et al. |
| D548,801 S | 8/2007 | Groswirt | 8,371,920 B2 | 2/2013 | Gomez et al. |
| D549,785 S | 8/2007 | Luciano, Jr. et al. | 8,371,927 B2 | 2/2013 | Englman |
| 7,267,612 B2 | 9/2007 | Alcorn et al. | 8,371,928 B2 | 2/2013 | Englman et al. |
| D554,710 S | 11/2007 | Malone et al. | 8,376,832 B2 | 2/2013 | O'Connor et al. |
| D556,765 S | 12/2007 | Evans et al. | D678,270 S * | 3/2013 | Song D14/341 |
| D557,748 S | 12/2007 | Jumper | D678,955 S | 3/2013 | Lesley et al. |
| D559,328 S | 1/2008 | Rasmussen et al. | D678,956 S | 3/2013 | Lesley et al. |
| D559,917 S | 1/2008 | Cole | D678,957 S | 3/2013 | Cesaroni et al. |
| D560,724 S | 1/2008 | Johnson | D678,958 S | 3/2013 | Cesaroni et al. |
| D560,725 S | 1/2008 | Johnson | D681,130 S | 4/2013 | Lesley et al. |
| D563,326 S | 3/2008 | Patel et al. | 8,430,756 B2 | 4/2013 | McComb et al. |
| D563,481 S | 3/2008 | Looks et al. | D682,948 S | 5/2013 | Cesaroni et al. |
| D564,600 S | 3/2008 | Greenberg et al. | D685,033 S | 6/2013 | Wudtke |
| D564,601 S | 3/2008 | Strahinic et al. | D691,665 S | 10/2013 | Chudek |
| D566,197 S | 4/2008 | Greenberg et al. | D691,666 S | 10/2013 | Lesley et al. |
| D569,863 S | 5/2008 | Feldstein et al. | D693,343 S | 11/2013 | Haller |
| D572,314 S | 7/2008 | Vallejo et al. | D697,558 S | 1/2014 | Myers et al. |
| D573,417 S * | 7/2008 | Osborn D7/641 | D704,273 S | 5/2014 | Chudek |
| D578,168 S | 10/2008 | Looks et al. | D704,275 S | 5/2014 | Lesley et al. |
| D581,983 S | 12/2008 | Bergstrom | D706,741 S | 6/2014 | Myers |
| RE40,625 E | 1/2009 | Wurz et al. | D707,646 S * | 6/2014 | Kim D14/138 G |
| 7,479,066 B2 | 1/2009 | Emori | D712,975 S | 9/2014 | Lesley et al. |
| D587,272 S | 2/2009 | Morrow et al. | D713,811 S * | 9/2014 | Isaacs D14/138 AA |
| D587,319 S | 2/2009 | Moises Deiab | D714,269 S * | 9/2014 | Lee D14/248 |
| RE40,671 E | 3/2009 | Wurz et al. | D714,270 S * | 9/2014 | Lee D14/248 |
| 7,503,849 B2 | 3/2009 | Hornik et al. | D714,271 S * | 9/2014 | Lee D14/248 |
| D590,025 S | 4/2009 | Fiore | D714,875 S | 10/2014 | Wudtke et al. |
| D594,068 S | 6/2009 | Hsu | D715,279 S * | 10/2014 | Lee D14/248 |
| D596,678 S | 7/2009 | Myers | D715,364 S | 10/2014 | Wudtke et al. |
| D599,365 S | 9/2009 | Brown et al. | D716,246 S * | 10/2014 | Yun D14/138 R |
| D599,858 S | 9/2009 | Lesley et al. | D718,818 S * | 12/2014 | Sumii D14/401 |
| D599,859 S | 9/2009 | Lesley | D719,615 S * | 12/2014 | Inoue D21/370 |
| D599,860 S | 9/2009 | Lesley et al. | D719,616 S * | 12/2014 | Inoue D21/370 |
| D601,638 S | 10/2009 | Palmisano | 8,982,545 B2 | 3/2015 | Kim et al. |
| D604,368 S | 11/2009 | Lesley et al. | D726,139 S * | 4/2015 | Park D14/138 R |
| 7,628,693 B2 | 12/2009 | Thomas | D726,140 S * | 4/2015 | Park D14/138 R |
| 7,666,085 B2 | 2/2010 | Vorias et al. | D726,678 S * | 4/2015 | Park D14/138 R |
| 7,686,689 B2 | 3/2010 | Thomas | D730,993 S | 6/2015 | Castro et al. |
| D613,802 S | 4/2010 | Meyers et al. | D733,088 S * | 6/2015 | Garneau D14/172 |
| D615,598 S | 5/2010 | McComb et al. | D736,751 S * | 8/2015 | Lee D14/248 |
| 7,713,119 B2 | 5/2010 | Pacey et al. | D736,752 S * | 8/2015 | Lee D14/248 |
| D622,780 S | 8/2010 | Lesley et al. | D740,888 S | 10/2015 | DePalma et al. |
| D622,781 S | 8/2010 | Lesley et al. | D742,974 S | 11/2015 | Lesley et al. |
| D622,782 S | 8/2010 | Chudek et al. | D742,975 S | 11/2015 | Myers et al. |
| D626,182 S | 10/2010 | Cole et al. | D760,846 S | 7/2016 | Castro et al. |
| D626,183 S | 10/2010 | Cole et al. | D762,613 S * | 8/2016 | Garneau D14/172 |
| 7,811,167 B2 | 10/2010 | Giobbi et al. | RE46,169 E | 10/2016 | Kelly et al. |
| D631,060 S | 1/2011 | Flik et al. | D770,449 S * | 11/2016 | Bae D14/341 |
| D631,100 S | 1/2011 | Palmisano | D770,450 S * | 11/2016 | Bae D14/341 |
| D633,950 S | 3/2011 | Terpstra et al. | D770,998 S * | 11/2016 | Kwak D14/138 AB |
| D637,238 S | 5/2011 | O'Keene et al. | D771,041 S * | 11/2016 | Bae D14/341 |
| D637,652 S | 5/2011 | Tahara et al. | D771,628 S * | 11/2016 | Bae D14/341 |
| 7,938,728 B2 | 5/2011 | Vetter et al. | D774,032 S * | 12/2016 | Bae D14/341 |
| | | | D776,112 S * | 1/2017 | Bae D14/374 |
| | | | D786,242 S * | 5/2017 | Ho D14/127 |
| | | | D786,859 S * | 5/2017 | Kim D14/341 |
| | | | D792,384 S * | 7/2017 | Kim D14/248 |

(56)

References Cited

U.S. PATENT DOCUMENTS

D795,855 S * 8/2017 Kim D14/248
D797,713 S * 9/2017 Kim D14/248
D801,945 S * 11/2017 Cho D14/138 G
D802,590 S * 11/2017 Bae D14/374
D802,591 S * 11/2017 Bae D14/374
D803,818 S * 11/2017 Kim D14/248
D811,384 S * 2/2018 Diasabeygunawardena
D14/336
D812,146 S * 3/2018 Castro D21/369
D812,147 S * 3/2018 Castro D21/369
D812,148 S * 3/2018 Castro D21/369
D812,149 S * 3/2018 Castro D21/369
D819,747 S * 6/2018 Castro D21/369
D820,915 S * 6/2018 Lee D21/369
D832,355 S * 10/2018 Castro D21/369
D832,356 S * 10/2018 Castro D21/369
D832,357 S * 10/2018 Castro D21/369
D836,164 S * 12/2018 Castro D21/369
D836,720 S * 12/2018 Kang D19/113
10,181,236 B2 * 1/2019 Goldstein G07F 17/3216
D842,930 S * 3/2019 Johnson D21/369
D842,932 S * 3/2019 Stair D21/369
D842,933 S * 3/2019 Castro D21/396
D843,458 S * 3/2019 Castro D21/369
D843,459 S * 3/2019 Castro D21/369
D843,460 S * 3/2019 Castro D21/369
D843,461 S * 3/2019 Castro D21/369
D843,464 S * 3/2019 Castro D21/369
D843,465 S * 3/2019 Castro D21/369
D843,466 S * 3/2019 Castro D21/369
D843,467 S * 3/2019 Johnson D21/369
D843,468 S * 3/2019 Johnson D21/369
D843,473 S * 3/2019 Zedell, Jr. D21/369
D843,474 S * 3/2019 Lesley D21/369
D843,475 S * 3/2019 Lesley D21/369
D843,476 S * 3/2019 Lesley D21/369
D843,477 S * 3/2019 Lesley D21/369
D843,478 S * 3/2019 Lesley D21/369
D843,479 S * 3/2019 Castro D21/369
D843,480 S * 3/2019 Castro D21/369
D843,482 S * 3/2019 Holland D21/396
D843,866 S * 3/2019 Mutch D10/87
D844,062 S * 3/2019 Lesley D21/369
D846,650 S * 4/2019 Stair D21/369
D850,536 S * 6/2019 Stair D21/370
D850,537 S * 6/2019 Urban D21/370
10,325,446 B2 * 6/2019 Castro G07F 17/322
D862,602 S * 10/2019 Kariya D21/324
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 Kiriya 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.
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.
2014/0375936 A1 12/2014 Park et al.
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
2016/0093143 A1 * 3/2016 Lamb G07F 17/3213
463/20
2018/0075689 A1 * 3/2018 Castro G07F 17/322
2018/0078854 A1 * 3/2018 Achmueller A63F 13/20

FOREIGN PATENT DOCUMENTS

KR 1113734 B1 2/2012
KR 2012051630 A 5/2012
KR 1268471 B1 6/2013
KR 1278904 B1 6/2013
KR 1336677 B1 12/2013
KR 1381609 B1 4/2014
KR 1381610 B1 4/2014
KR 2015013987 A 2/2015
KR 1539221 B1 7/2015
TW 200949775 A 12/2009

OTHER PUBLICATIONS

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 Inc., 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).
Co-pending Design U.S. Appl. No. 29/559,629, filed Mar. 30, 2016.
Co-pending Design U.S. Appl. No. 29/559,613, filed Mar. 30, 2016.
Co-pending Design U.S. Appl. No. 29/559,593, filed Mar. 30, 2016.
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).

Cochran; “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/SB10001424052702303393804579308801012230792>> (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 <<https://technikblog.net/fernseher-test/curved-tv/>> (16 pages, in German).

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_retro_games/> (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>>; (2 pages).

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>>; (3 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>>; (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>> (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>>; (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_phillips_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/lgphillips_lcd_develops_worlds_highest_resolution_143inch_flexible_color_epaper_display.php>; (4 pages).

Series of Screenshots from video: Wood, Molly (Mar. 26, 2015). Major, Clare, Carr, Vanessa, eds. <<https://www.nytimes.com/video/technology/personaltech/100000002788325/curved-screens-worth-it.html>>.

* cited by examiner

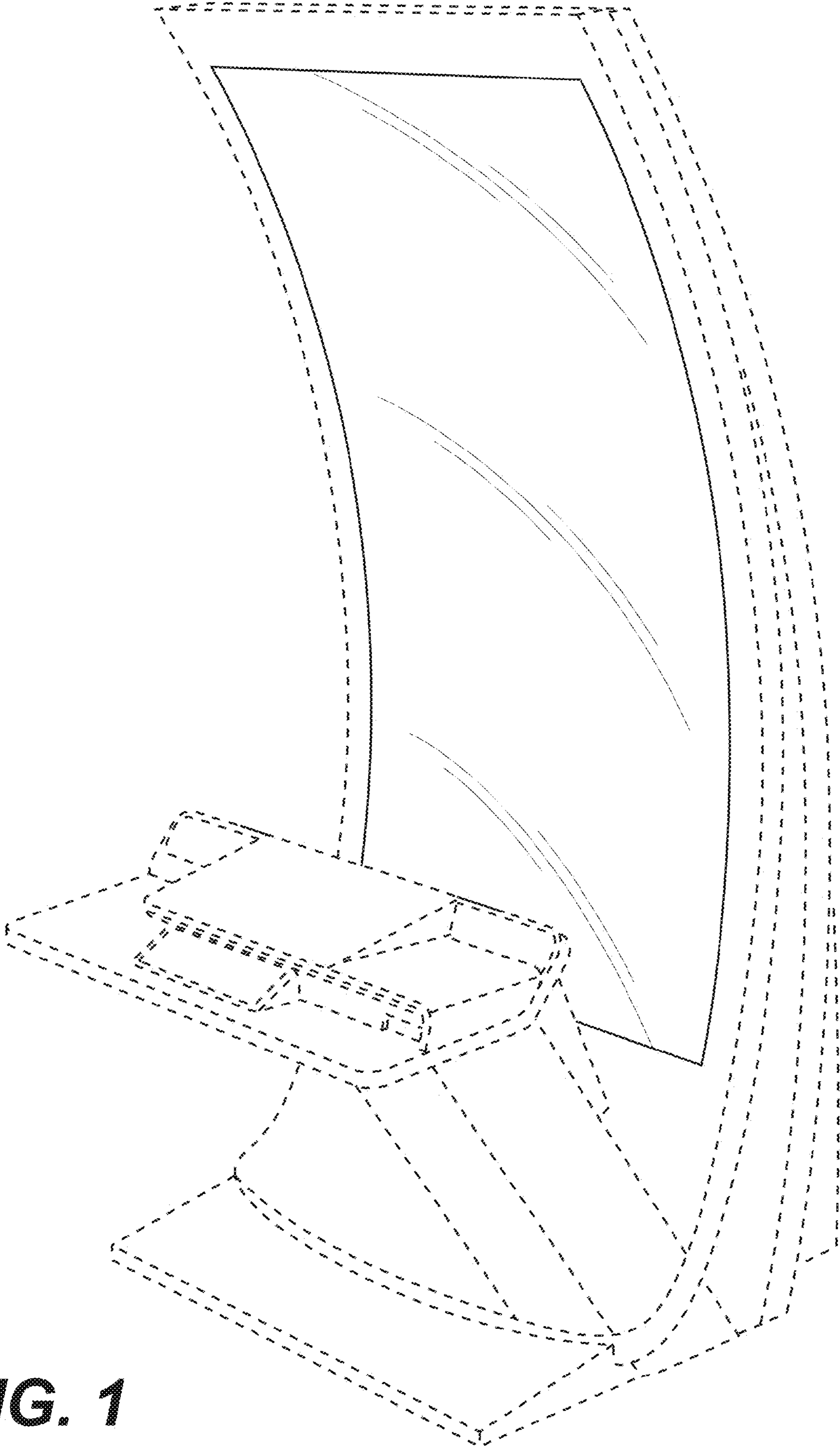


FIG. 1

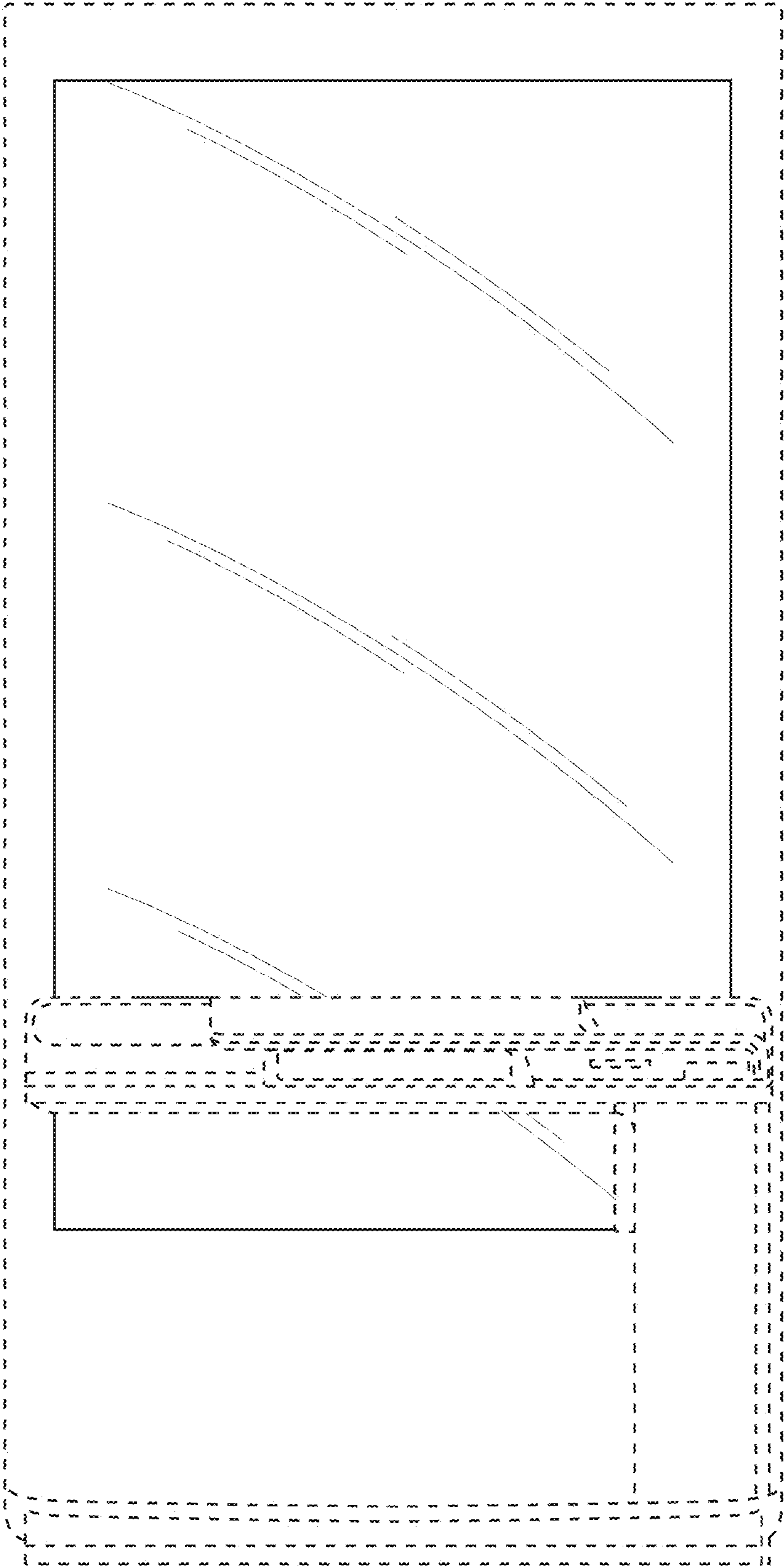


FIG. 2

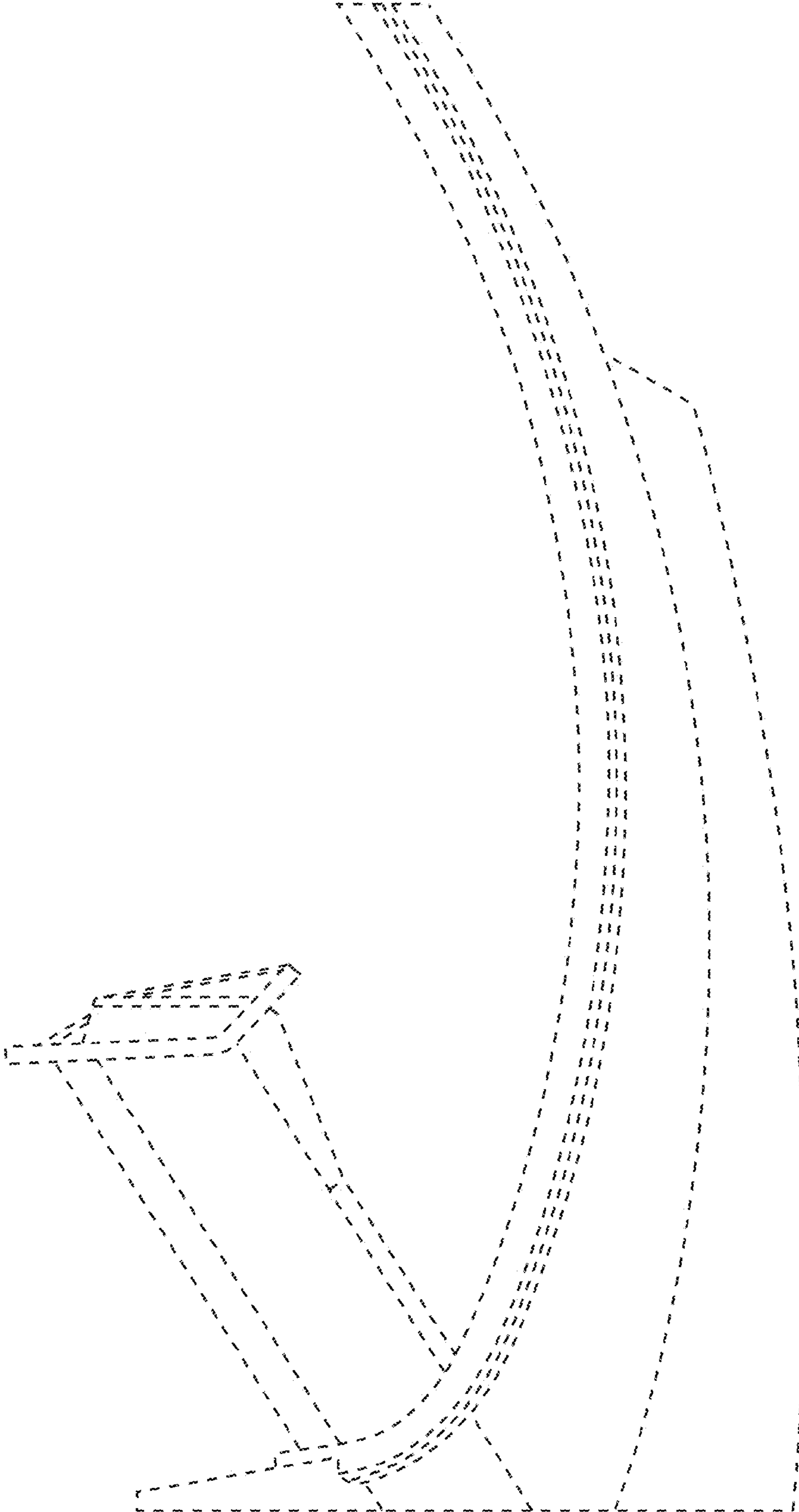


FIG. 3

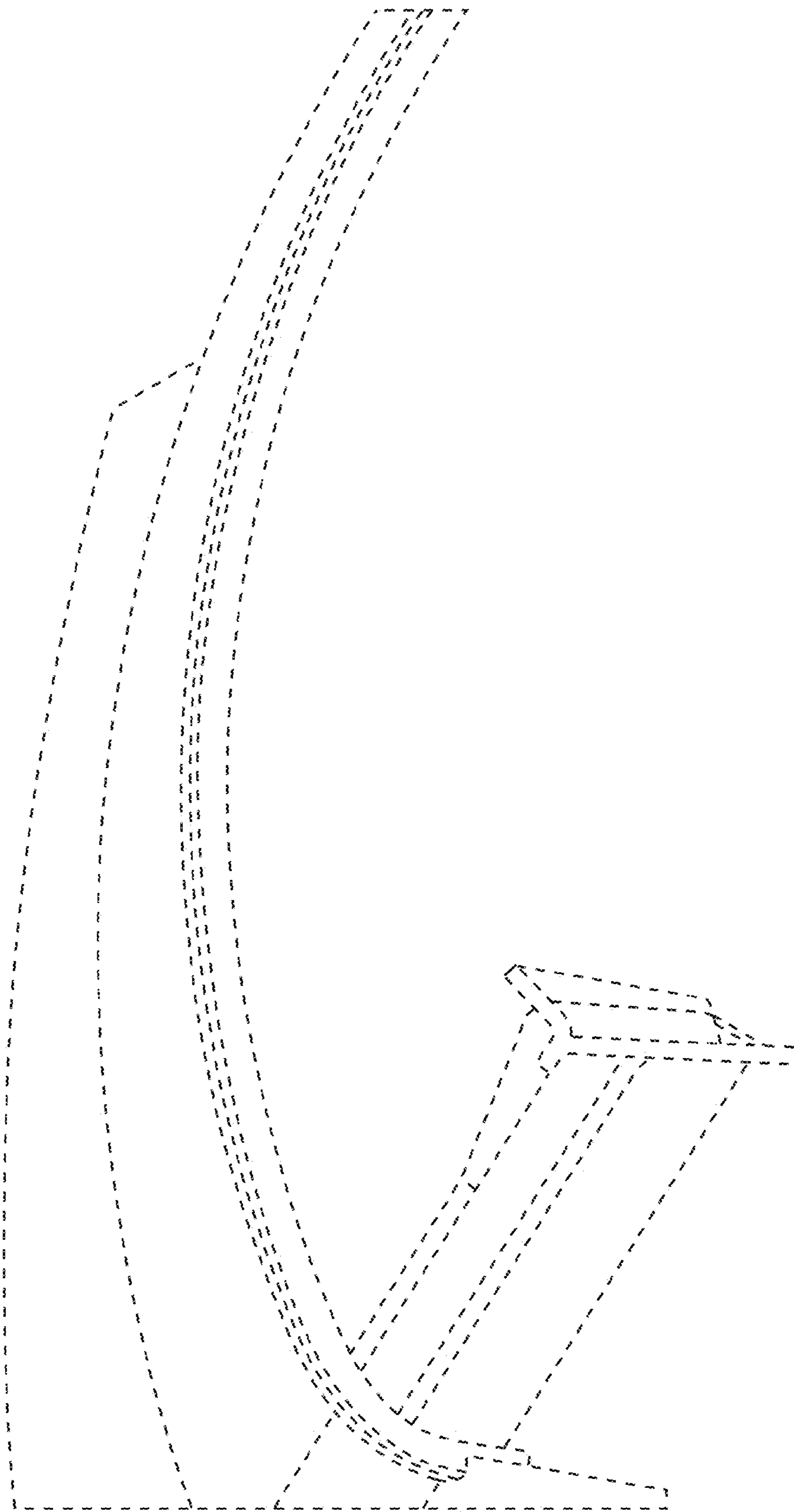


FIG. 4

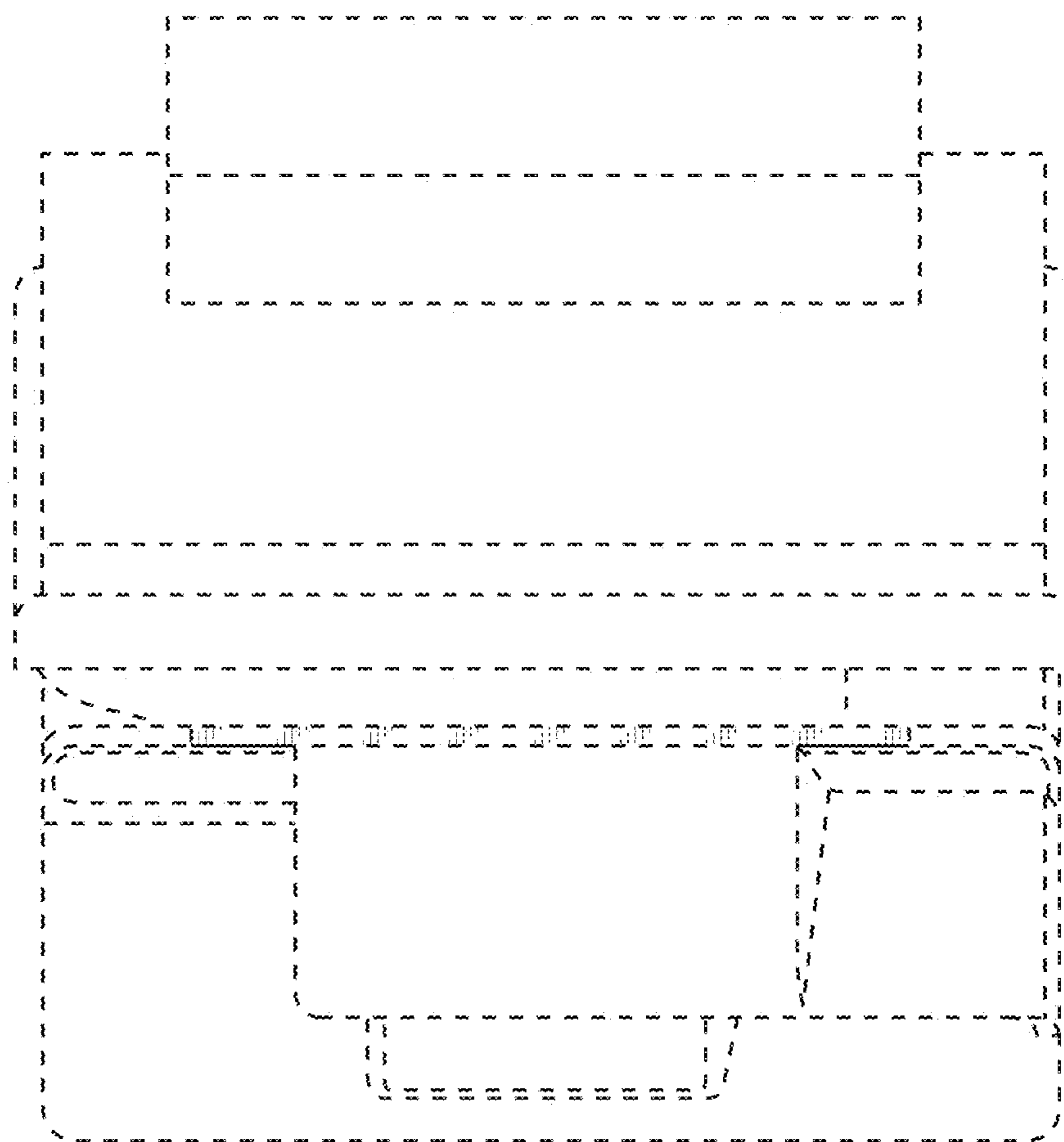


FIG. 5