



US00D703208S

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

(10) **Patent No.:** **US D703,208 S**
(45) **Date of Patent:** **** Apr. 22, 2014**

(54) **UICC APPARATUS**

(75) Inventors: **James Randolph Winter Lepp**, Ottawa (CA); **Jean-Philippe Paul Cormier**, Ottawa (CA); **Sheldon Terry Schwandt**, Wellesley (CA); **Oleg Los**, Buffalo Grove, IL (US); **Petra Braun**, Dormagen (DE)

(73) Assignee: **BlackBerry Limited**, Waterloo, Ontario

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

(21) Appl. No.: **29/418,309**

(22) Filed: **Apr. 13, 2012**

(51) **LOC (10) Cl.** **14-02**

(52) **U.S. Cl.**

USPC **D14/436; D14/437**

(58) **Field of Classification Search**

USPC D14/435-437, 478-480, 485-495, 474, D14/217; D13/182; 369/275.1-275.5, 369/44.26, 100, 52.1, 272, 273, 280-288; 283/81; 720/718; 435/6, 287.2; 604/891.1; 216/2; D11/80; 235/492, 235/488, 493, 487, 375, 379, 439, 440, 441, 235/451, 486; 361/737, 748-752; D19/9, D19/10; D9/457; 705/51; 257/707, 686; 340/5.52, 5.25, 5.74

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,373,481 A 3/1968 Lins et al.
3,676,742 A 7/1972 Russell et al.
3,825,353 A 7/1974 Loro
3,842,189 A 10/1974 Southgate
D261,760 S 11/1981 Dlugos

4,450,024 A 5/1984 Haghiri-Tehrani et al.
4,535,219 A 8/1985 Sliwa, Jr.
4,549,247 A 10/1985 Hoppe et al.
4,591,945 A 5/1986 Ugon
4,603,249 A 7/1986 Hoppe et al.
4,617,605 A 10/1986 Obrecht et al.

(Continued)

OTHER PUBLICATIONS

Nokia, "Nokia 4FF Proposal and Rationale," based on the discussion and feedback from leading suppliers and manufacturers of SIM card connectors, Aug. 25, 2011, 5 pages.

(Continued)

Primary Examiner — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — Hanley, Flight & Zimmerman, LLC.

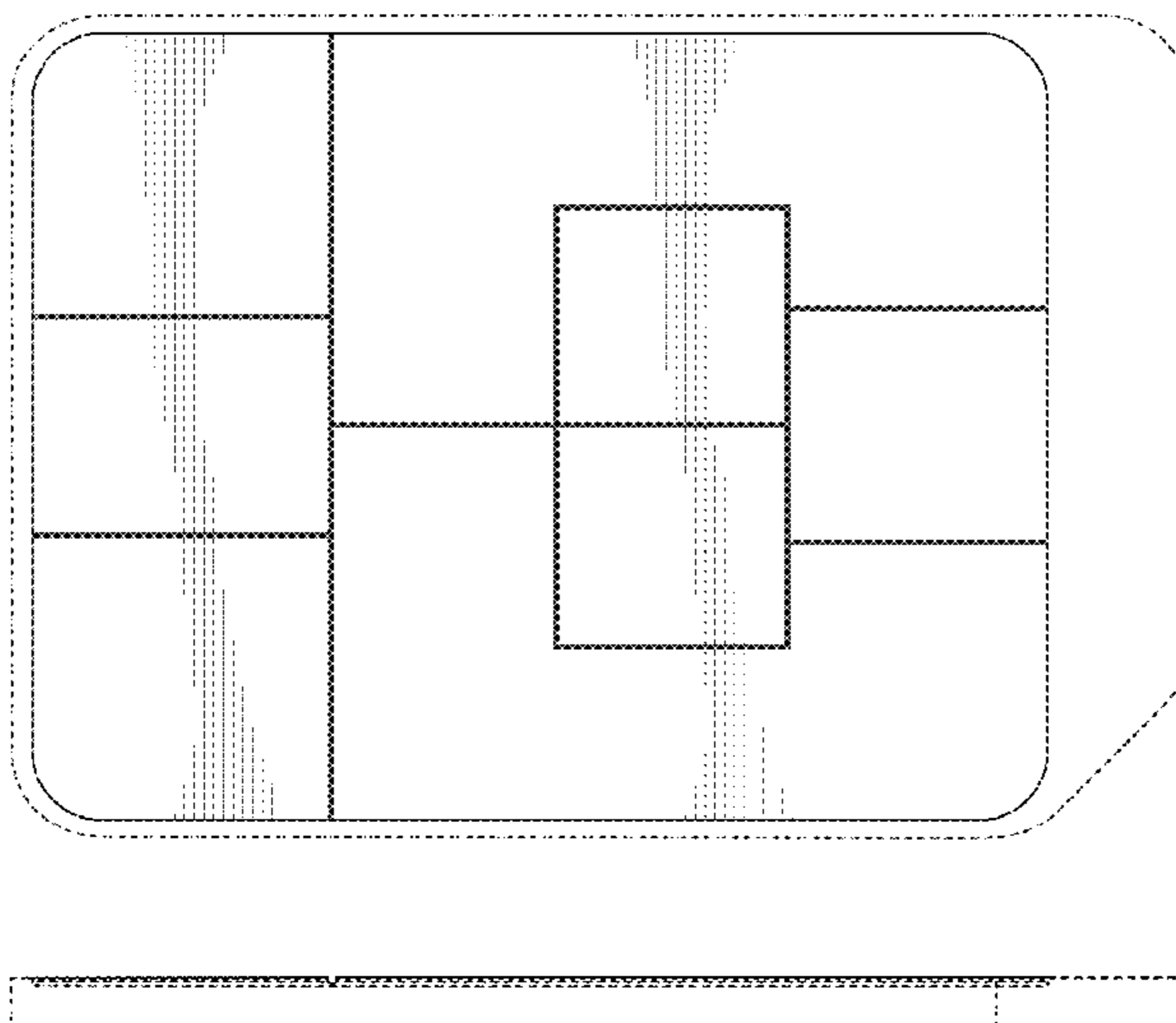
(57) **CLAIM**

We claim the ornamental design for a UICC apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a plan view of a UICC apparatus;
FIG. 2 is a front view of the UICC apparatus of FIG. 1;
FIG. 3 is a right side view of the UICC apparatus of FIG. 1;
FIG. 4 is a left side view of the UICC apparatus of FIG. 1;
FIG. 5 is a rear view of the UICC apparatus of FIG. 1;
FIG. 6 is a plan view of a second embodiment of the UICC apparatus;
FIG. 7 is a front view of the UICC apparatus of FIG. 6;
FIG. 8 is a right side view of the UICC apparatus of FIG. 6;
FIG. 9 is a left side view of the UICC apparatus of FIG. 6; and
FIG. 10 is a rear view of the UICC apparatus of FIG. 6.
Broken lines and portions contained within broken lines are not claimed.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | |
|-----------|-----|---------|-------------------------------|-----------|------|---------|-------------------------------|
| 4,621,190 | A | 11/1986 | Saito et al. | 5,583,733 | A | 12/1996 | Cronin |
| 4,625,102 | A | 11/1986 | Rebjock et al. | 5,598,032 | A | 1/1997 | Fidalgo |
| 4,639,585 | A | 1/1987 | Haghiri-Tehrani et al. | 5,599,203 | A | 2/1997 | Broschard, III |
| 4,674,175 | A | 6/1987 | Stampfli | 5,612,532 | A | 3/1997 | Iwasaki |
| 4,755,661 | A | 7/1988 | Ruebsam | D379,006 | S | 4/1997 | Gaumet |
| 4,764,803 | A | 8/1988 | Ueda | 5,633,780 | A | 5/1997 | Cronin |
| 4,774,633 | A | 9/1988 | Dehaine et al. | 5,637,858 | A | 6/1997 | Hoppe et al. |
| 4,792,843 | A | 12/1988 | Haghiri-Tehrani et al. | 5,639,385 | A * | 6/1997 | McCormick 216/14 |
| 4,803,542 | A | 2/1989 | Haghiri-Tehrani et al. | 5,647,122 | A * | 7/1997 | Launay et al. 29/840 |
| 4,841,134 | A | 6/1989 | Hida et al. | 5,671,525 | A | 9/1997 | Fidalgo |
| 4,860,087 | A | 8/1989 | Matsubara et al. | D384,971 | S | 10/1997 | Kawan |
| 4,864,383 | A | 9/1989 | Gloton et al. | 5,688,716 | A | 11/1997 | DiStefano et al. |
| 4,897,534 | A | 1/1990 | Haghiri-Tehrani | D387,746 | S * | 12/1997 | Ishihara D14/437 |
| 4,937,653 | A | 6/1990 | Blonder et al. | D387,747 | S * | 12/1997 | Ishihara D14/437 |
| 4,942,495 | A | 7/1990 | Peres et al. | D388,066 | S | 12/1997 | Ishihara |
| 4,980,802 | A | 12/1990 | Champagne et al. | D389,130 | S * | 1/1998 | Ishihara D14/437 |
| 4,994,659 | A | 2/1991 | Yabe et al. | 5,710,421 | A | 1/1998 | Kokubu |
| 5,027,190 | A | 6/1991 | Haghiri-Tehrani et al. | D393,458 | S | 4/1998 | Merlin et al. |
| 5,031,026 | A * | 7/1991 | Ueda 257/679 | 5,757,116 | A * | 5/1998 | Nishikawa et al. 235/492 |
| 5,049,728 | A * | 9/1991 | Rovin 235/492 | 5,776,796 | A | 7/1998 | DiStefano et al. |
| 5,055,907 | A | 10/1991 | Jacobs | 5,796,570 | A | 8/1998 | Mekdhanasarn |
| 5,055,913 | A | 10/1991 | Haghiri-Tehrani | 5,808,758 | A | 9/1998 | Solmsdorf |
| 5,057,460 | A | 10/1991 | Rose | 5,815,426 | A | 9/1998 | Jigour et al. |
| 5,067,007 | A | 11/1991 | Kanji et al. | 5,822,190 | A * | 10/1998 | Iwasaki 361/737 |
| 5,079,673 | A | 1/1992 | Kodai et al. | 5,834,340 | A | 11/1998 | Sawai et al. |
| 5,086,216 | A | 2/1992 | Mollet et al. | 5,834,755 | A | 11/1998 | Haghiri-Tehrani et al. |
| 5,091,618 | A | 2/1992 | Takahashi | 5,850,690 | A * | 12/1998 | Launay et al. 29/841 |
| 5,091,769 | A | 2/1992 | Eichelberger | 5,864,463 | A | 1/1999 | Tsukada et al. |
| 5,122,860 | A | 6/1992 | Kikuchi et al. | D405,779 | S * | 2/1999 | Huber et al. D14/437 |
| 5,126,548 | A | 6/1992 | Sekiguchi | D406,822 | S * | 3/1999 | Huber et al. D13/182 |
| D327,883 | S * | 7/1992 | Gloton D14/437 | 5,888,624 | A | 3/1999 | Haghiri et al. |
| D328,599 | S * | 8/1992 | Gloton D14/437 | 5,891,745 | A | 4/1999 | Dunaway et al. |
| 5,149,662 | A | 9/1992 | Eichelberger | 5,898,223 | A | 4/1999 | Frye et al. |
| 5,150,193 | A | 9/1992 | Yasuhara et al. | D412,164 | S | 7/1999 | Laviron et al. |
| D331,922 | S * | 12/1992 | Gloton D14/437 | 5,925,445 | A | 7/1999 | Suzuki |
| 5,173,055 | A | 12/1992 | Grabbe | 5,932,866 | A | 8/1999 | Terada et al. |
| 5,192,682 | A | 3/1993 | Kodai | 5,965,866 | A | 10/1999 | Mederski |
| 5,192,716 | A | 3/1993 | Jacobs | 5,969,951 | A | 10/1999 | Fischer et al. |
| D335,663 | S | 5/1993 | Gloton | D416,246 | S | 11/1999 | Hileman |
| 5,208,450 | A | 5/1993 | Uenishi et al. | 5,975,420 | A | 11/1999 | Gogami et al. |
| 5,241,456 | A | 8/1993 | Marcinkiewicz et al. | 5,995,006 | A | 11/1999 | Walsh |
| 5,250,843 | A | 10/1993 | Eichelberger | 6,006,987 | A | 12/1999 | Hoolhorst |
| 5,255,430 | A | 10/1993 | Tallaksen | 6,025,997 | A | 2/2000 | Huber et al. |
| D342,728 | S | 12/1993 | Gloton | 6,027,028 | A | 2/2000 | Pieterse et al. |
| 5,272,374 | A * | 12/1993 | Kodai et al. 257/679 | 6,036,099 | A | 3/2000 | Leighton |
| 5,280,192 | A | 1/1994 | Kryzaniwsky | 6,046,071 | A | 4/2000 | Sawai et al. |
| D344,502 | S * | 2/1994 | Gloton D14/437 | 6,054,774 | A | 4/2000 | Ohmori et al. |
| 5,289,349 | A * | 2/1994 | Nishino 361/813 | D424,043 | S | 5/2000 | Shiroki |
| 5,296,745 | A | 3/1994 | Shirai et al. | D424,539 | S | 5/2000 | Shiroki |
| 5,304,513 | A | 4/1994 | Haghiri-Tehrani et al. | D425,519 | S | 5/2000 | Merlin et al. |
| 5,324,687 | A | 6/1994 | Wojnarowski | 6,065,681 | A * | 5/2000 | Trueggelmann 235/487 |
| 5,327,834 | A | 7/1994 | Atkeson | 6,072,698 | A | 6/2000 | Houdeau et al. |
| 5,346,576 | A | 9/1994 | Kobayashi et al. | 6,076,737 | A | 6/2000 | Gogami et al. |
| 5,360,941 | A | 11/1994 | Roes | 6,081,182 | A | 6/2000 | Tomozawa et al. |
| D353,135 | S * | 12/1994 | Gloton D14/437 | D427,577 | S * | 7/2000 | Haas et al. D14/437 |
| D353,136 | S * | 12/1994 | Gloton D14/437 | 6,095,423 | A | 8/2000 | Houdeau et al. |
| 5,371,346 | A | 12/1994 | Menoud | 6,109,530 | A | 8/2000 | Larson et al. |
| 5,399,903 | A | 3/1995 | Rostoker et al. | 6,112,997 | A * | 9/2000 | Jelinek et al. 235/492 |
| D357,242 | S * | 4/1995 | Gloton D14/437 | 6,141,210 | A | 10/2000 | Iwasaki |
| D357,909 | S * | 5/1995 | Gloton D14/437 | 6,142,381 | A | 11/2000 | Finn et al. |
| D358,142 | S * | 5/1995 | Gloton D14/437 | 6,145,035 | A | 11/2000 | Mai et al. |
| 5,434,395 | A | 7/1995 | Storck et al. | 6,147,860 | A | 11/2000 | Iwasaki |
| RE35,119 | E | 12/1995 | Blonder et al. | 6,161,761 | A | 12/2000 | Ghaem et al. |
| D365,092 | S * | 12/1995 | Mundigl et al. D14/437 | 6,175,287 | B1 | 1/2001 | Lampen et al. |
| 5,486,687 | A | 1/1996 | Le Roux | 6,184,477 | B1 | 2/2001 | Tanahashi |
| D369,157 | S | 4/1996 | Ohmori et al. | 6,191,951 | B1 | 2/2001 | Houdeau et al. |
| 5,506,499 | A | 4/1996 | Puar | 6,193,163 | B1 * | 2/2001 | Fehrman et al. 235/488 |
| 5,514,862 | A | 5/1996 | Salzano | 6,197,688 | B1 | 3/2001 | Simpson |
| 5,523,697 | A | 6/1996 | Farnworth et al. | 6,202,931 | B1 | 3/2001 | Billebaud |
| 5,531,145 | A * | 7/1996 | Haghiri-Tehrani 83/27 | 6,223,989 | B1 | 5/2001 | Permingeat |
| 5,550,402 | A | 8/1996 | Nicklaus | D443,298 | S | 6/2001 | Webb et al. |
| 5,550,406 | A | 8/1996 | McCormick | 6,265,765 | B1 | 7/2001 | DiStefano et al. |
| 5,554,940 | A | 9/1996 | Hubacher | 6,276,609 | B1 | 8/2001 | Czar et al. |
| D375,303 | S * | 11/1996 | Gaumet D14/436 | 6,288,904 | B1 | 9/2001 | Houdeau et al. |
| 5,581,065 | A * | 12/1996 | Nishikawa et al. 235/492 | 6,293,470 | B1 | 9/2001 | Asplund |
| | | | | D450,854 | S * | 11/2001 | Lipman et al. D24/225 |
| | | | | 6,313,524 | B1 | 11/2001 | Pueschner et al. |
| | | | | 6,320,751 | B2 * | 11/2001 | Takeda et al. 361/737 |
| | | | | D452,243 | S | 12/2001 | Wallace |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | |
|-----------|------|---------|---------------------------|-----------|
| 6,326,683 | B1 | 12/2001 | Houdeau et al. | |
| 6,329,962 | B2 * | 12/2001 | Ying | 343/895 |
| D452,864 | S | 1/2002 | Wallace et al. | |
| D452,865 | S | 1/2002 | Wallace et al. | |
| 6,343,364 | B1 | 1/2002 | Leydier et al. | |
| D453,934 | S | 2/2002 | Wallace et al. | |
| 6,351,405 | B1 | 2/2002 | Lee et al. | |
| D456,414 | S * | 4/2002 | Turin | D14/437 |
| 6,369,407 | B1 | 4/2002 | Hikita et al. | |
| 6,370,029 | B1 | 4/2002 | Kawan | |
| 6,378,774 | B1 | 4/2002 | Emori et al. | |
| 6,398,114 | B1 | 6/2002 | Nishikawa et al. | |
| 6,402,032 | B1 | 6/2002 | Huang et al. | |
| 6,410,355 | B1 | 6/2002 | Wallace | |
| 6,429,112 | B1 | 8/2002 | Smith et al. | |
| 6,433,285 | B2 | 8/2002 | Maeda et al. | |
| 6,439,464 | B1 | 8/2002 | Fruhauf et al. | |
| 6,448,638 | B1 * | 9/2002 | Fidalgo et al. | 257/679 |
| 6,454,164 | B1 | 9/2002 | Wakabayashi et al. | |
| 6,460,773 | B1 | 10/2002 | Kaiya et al. | |
| 6,462,273 | B1 | 10/2002 | Corisis et al. | |
| 6,483,038 | B2 | 11/2002 | Lee et al. | |
| 6,490,667 | B1 | 12/2002 | Ikeda | |
| 6,514,367 | B1 | 2/2003 | Leighton | |
| 6,542,444 | B1 | 4/2003 | Rutsche | |
| 6,543,690 | B2 | 4/2003 | Leydier et al. | |
| 6,568,600 | B1 | 5/2003 | Carpier et al. | |
| 6,572,015 | B1 | 6/2003 | Norton | |
| 6,581,122 | B1 | 6/2003 | Sarat | |
| 6,581,830 | B1 * | 6/2003 | Jelinek et al. | 235/441 |
| 6,581,840 | B2 | 6/2003 | Takeda et al. | |
| 6,585,165 | B1 | 7/2003 | Kuroda et al. | |
| 6,592,042 | B1 | 7/2003 | El Yamani et al. | |
| 6,601,770 | B1 | 8/2003 | Ikefuji et al. | |
| 6,612,498 | B1 | 9/2003 | Lipponen et al. | |
| 6,618,258 | B2 | 9/2003 | Goris | |
| 6,628,240 | B2 | 9/2003 | Amadeo | |
| 6,632,997 | B2 | 10/2003 | Hoffman et al. | |
| 6,634,561 | B1 | 10/2003 | Wallace | |
| 6,634,565 | B2 | 10/2003 | Gray | |
| 6,641,049 | B2 | 11/2003 | Luu | |
| 6,642,611 | B2 | 11/2003 | Iwasaki | |
| 6,659,355 | B1 | 12/2003 | Fischer et al. | |
| 6,659,356 | B2 | 12/2003 | Kashima | |
| 6,669,487 | B1 | 12/2003 | Nishizawa et al. | |
| 6,694,399 | B1 | 2/2004 | Leydier et al. | |
| D487,747 | S | 3/2004 | Yu et al. | |
| 6,712,279 | B2 | 3/2004 | Muehlberger et al. | |
| D488,818 | S | 4/2004 | Lee et al. | |
| 6,717,801 | B1 | 4/2004 | Castell et al. | |
| 6,720,927 | B2 * | 4/2004 | Bakker et al. | 343/702 |
| D492,688 | S * | 7/2004 | Wallace et al. | D14/437 |
| D493,798 | S | 8/2004 | Yu et al. | |
| 6,776,347 | B2 | 8/2004 | Nishikawa et al. | |
| 6,778,407 | B2 | 8/2004 | Fischer et al. | |
| 6,793,144 | B2 | 9/2004 | Guez et al. | |
| 6,797,543 | B2 * | 9/2004 | Kasahara et al. | 438/118 |
| 6,803,114 | B1 | 10/2004 | Vere et al. | |
| 6,803,666 | B2 | 10/2004 | Takahashi et al. | |
| 6,811,082 | B2 * | 11/2004 | Wong | 235/451 |
| 6,817,533 | B2 | 11/2004 | Chen | |
| 6,817,534 | B2 | 11/2004 | Gray | |
| D501,560 | S * | 2/2005 | Whyte et al. | D24/225 |
| 6,851,618 | B2 | 2/2005 | Halope | |
| 6,856,235 | B2 | 2/2005 | Fjelstad | |
| 6,865,086 | B2 | 3/2005 | Gochmour et al. | |
| 6,870,733 | B2 | 3/2005 | Castell et al. | |
| 6,896,189 | B2 | 5/2005 | Guion et al. | |
| 6,910,635 | B1 | 6/2005 | Miks et al. | |
| 6,922,780 | B1 | 7/2005 | Siegel | |
| 6,964,377 | B1 * | 11/2005 | Haghiri et al. | 235/492 |
| 6,970,359 | B2 | 11/2005 | Gochmour et al. | |
| D512,512 | S * | 12/2005 | Bell et al. | D24/225 |
| 6,978,940 | B2 | 12/2005 | Luu | |
| 6,991,172 | B2 * | 1/2006 | Luu | 235/492 |
| D516,076 | S | 2/2006 | Ko | |
| 6,994,263 | B2 | 2/2006 | Ueda et al. | |
| D517,559 | S | 3/2006 | Yu et al. | |
| 7,019,981 | B2 | 3/2006 | Heinemann et al. | |
| 7,028,910 | B2 | 4/2006 | Reignoux et al. | |
| 7,030,316 | B2 | 4/2006 | Centofante | |
| 7,051,429 | B2 | 5/2006 | Kerr et al. | |
| D523,435 | S | 6/2006 | Takiar et al. | |
| 7,059,534 | B2 | 6/2006 | Takahashi | |
| 7,063,538 | B2 | 6/2006 | Chen | |
| 7,064,423 | B2 | 6/2006 | Okita et al. | |
| D525,248 | S | 7/2006 | Takiar | |
| D525,623 | S | 7/2006 | Takiar et al. | |
| D525,978 | S | 8/2006 | Takiar et al. | |
| 7,083,107 | B2 | 8/2006 | Sakamoto et al. | |
| 7,086,601 | B2 * | 8/2006 | Dhers et al. | 235/492 |
| 7,088,006 | B2 | 8/2006 | Janke et al. | |
| 7,094,106 | B2 | 8/2006 | Yamamoto et al. | |
| 7,094,633 | B2 | 8/2006 | Takiar | |
| D529,031 | S | 9/2006 | Huang et al. | |
| 7,102,891 | B1 | 9/2006 | Miks et al. | |
| 7,121,473 | B2 * | 10/2006 | Boker | 235/492 |
| 7,135,782 | B2 | 11/2006 | Nishikawa | |
| 7,137,563 | B2 | 11/2006 | Shibamoto et al. | |
| D533,556 | S | 12/2006 | Yamada et al. | |
| D534,537 | S | 1/2007 | Smith et al. | |
| 7,156,313 | B2 * | 1/2007 | Ou et al. | 235/492 |
| 7,166,914 | B2 | 1/2007 | DiStefano et al. | |
| D537,081 | S | 2/2007 | Takiar et al. | |
| 7,176,060 | B2 | 2/2007 | Yamada et al. | |
| 7,179,129 | B1 | 2/2007 | Hwang | |
| 7,180,176 | B2 | 2/2007 | Endou et al. | |
| D538,286 | S | 3/2007 | Takiar et al. | |
| 7,193,161 | B1 | 3/2007 | Takiar et al. | |
| 7,226,318 | B1 | 6/2007 | Lee | |
| 7,233,499 | B2 | 6/2007 | Yu et al. | |
| 7,234,644 | B2 | 6/2007 | Nishizawa et al. | |
| 7,239,973 | B2 | 7/2007 | Schahl et al. | |
| 7,242,079 | B2 | 7/2007 | Nerot et al. | |
| 7,252,242 | B2 | 8/2007 | Ho | |
| D552,098 | S | 10/2007 | Nishizawa et al. | |
| D552,099 | S | 10/2007 | Nishizawa et al. | |
| 7,291,903 | B2 | 11/2007 | Nishizawa et al. | |
| 7,296,754 | B2 | 11/2007 | Nishizawa et al. | |
| D556,764 | S | 12/2007 | Nishizawa et al. | |
| 7,303,137 | B2 * | 12/2007 | Ho | 235/492 |
| 7,336,498 | B2 | 2/2008 | Takiar et al. | |
| D566,723 | S * | 4/2008 | Okaro et al. | D14/490 |
| 7,352,588 | B2 | 4/2008 | Nishizawa et al. | |
| 7,359,204 | B1 | 4/2008 | Jang et al. | |
| 7,364,092 | B2 | 4/2008 | Narendra et al. | |
| 7,369,982 | B2 | 5/2008 | Leaming | |
| 7,374,721 | B2 * | 5/2008 | Huang et al. | 422/82.02 |
| D570,800 | S * | 6/2008 | Chen et al. | D13/182 |
| D571,810 | S * | 6/2008 | Ikeda | D14/437 |
| 7,388,455 | B2 | 6/2008 | Larson, III et al. | |
| D573,154 | S | 7/2008 | Viegers et al. | |
| D574,384 | S | 8/2008 | Knoch | |
| D574,835 | S * | 8/2008 | Ho | D14/436 |
| 7,418,272 | B2 | 8/2008 | Son | |
| 7,425,464 | B2 | 9/2008 | Fay et al. | |
| 7,433,196 | B1 | 10/2008 | Wang et al. | |
| D581,932 | S | 12/2008 | Nishizawa et al. | |
| 7,458,519 | B2 | 12/2008 | Aoki et al. | |
| 7,475,818 | B2 | 1/2009 | Gallagher et al. | |
| 7,485,562 | B2 | 2/2009 | Chua et al. | |
| 7,486,520 | B2 | 2/2009 | Tang et al. | |
| 7,494,058 | B2 | 2/2009 | Bonalle et al. | |
| D588,080 | S * | 3/2009 | Harnden et al. | D13/182 |
| D589,471 | S * | 3/2009 | Komatsu | D13/182 |
| 7,511,365 | B2 | 3/2009 | Wu et al. | |
| 7,552,876 | B2 | 6/2009 | Nishizawa et al. | |
| 7,557,436 | B2 * | 7/2009 | Mizuno et al. | 257/679 |
| 7,559,469 | B2 * | 7/2009 | Noda et al. | 235/441 |
| 7,560,806 | B2 | 7/2009 | Aoki | |
| 7,566,001 | B2 * | 7/2009 | Yamazaki | 235/380 |
| D598,126 | S * | 8/2009 | Alvarez-Icaza et al. | D24/225 |
| D599,308 | S * | 9/2009 | Blumberg et al. | D13/182 |
| D601,168 | S * | 9/2009 | Barcheck | D14/492 |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | |
|----------------|---------|------------------------|---------|-------------------|---------|-------------------------|------------|
| 7,587,756 B2 * | 9/2009 | Peart et al. | 726/9 | 8,422,238 B2 | 4/2013 | Hsiao et al. | |
| D601,521 S * | 10/2009 | Komatsu | D13/182 | D681,640 S | 5/2013 | Aoki et al. | |
| 7,597,266 B2 | 10/2009 | Benato | | D686,214 S | 7/2013 | Maus et al. | |
| 7,605,453 B2 * | 10/2009 | Stampka et al. | 257/679 | 8,507,377 B2 | 8/2013 | Watanabe et al. | |
| 7,606,042 B2 | 10/2009 | Goodwin | | 8,573,494 B2 | 11/2013 | Narendra et al. | |
| 7,607,583 B2 | 10/2009 | Berardi et al. | | 2001/0005291 A1 | 6/2001 | Iwasaki | |
| 7,615,855 B2 | 11/2009 | Osaka et al. | | 2001/0011685 A1 | 8/2001 | Fries et al. | |
| 7,616,452 B2 | 11/2009 | Wehrly, Jr. et al. | | 2001/0012682 A1 | 8/2001 | Kayanakis et al. | |
| 7,619,901 B2 | 11/2009 | Eichelberger et al. | | 2002/0023963 A1 * | 2/2002 | Luu | 235/492 |
| 7,630,209 B2 | 12/2009 | Kim et al. | | 2002/0049887 A1 | 4/2002 | Takahashi | |
| D608,770 S * | 1/2010 | Deguchi et al. | D14/230 | 2002/0050527 A1 * | 5/2002 | Nishikawa et al. | 235/492 |
| 7,655,501 B2 | 2/2010 | Yang et al. | | 2002/0069392 A1 | 6/2002 | Saitoh | |
| 7,662,667 B2 | 2/2010 | Shen | | 2002/0110955 A1 | 8/2002 | Patrice et al. | |
| 7,663,564 B2 | 2/2010 | Ayala et al. | | 2002/0169943 A1 * | 11/2002 | Rabeler | 712/43 |
| 7,667,318 B2 | 2/2010 | Yang et al. | | 2002/0170974 A1 * | 11/2002 | Kashima | 235/492 |
| D611,039 S * | 3/2010 | Deguchi et al. | D14/230 | 2002/0177255 A1 * | 11/2002 | Kasahara et al. | 438/110 |
| 7,669,773 B2 | 3/2010 | Nishizawa et al. | | 2002/0186542 A1 | 12/2002 | Choi | |
| 7,675,151 B1 | 3/2010 | Boone | | 2003/0016116 A1 | 1/2003 | Blaha | |
| 7,686,228 B2 * | 3/2010 | Oddou et al. | 235/492 | 2003/0016507 A1 | 1/2003 | Fischer et al. | |
| 7,719,846 B2 | 5/2010 | Frallicciardi et al. | | 2003/0024995 A1 | 2/2003 | Conner et al. | |
| 7,760,513 B2 | 7/2010 | Partridge et al. | | 2003/0024996 A1 * | 2/2003 | Muehlberger et al. | 235/492 |
| 7,763,976 B2 | 7/2010 | Tang et al. | | 2003/0085287 A1 | 5/2003 | Gray | |
| 7,768,796 B2 | 8/2010 | Cady et al. | | 2003/0102544 A1 | 6/2003 | Nishikawa | |
| 7,807,502 B2 | 10/2010 | Kwang et al. | | 2003/0103301 A1 | 6/2003 | Fechner | |
| 7,810,718 B2 | 10/2010 | Bonneau, Jr. et al. | | 2003/0116634 A1 | 6/2003 | Tanaka | |
| 7,812,434 B2 | 10/2010 | Yang | | 2003/0168515 A1 | 9/2003 | Gray | |
| D628,202 S | 11/2010 | Pomerantz et al. | | 2003/0213849 A1 * | 11/2003 | Luu | 235/492 |
| 7,837,122 B2 * | 11/2010 | Martinent et al. | 235/492 | 2003/0224995 A1 | 12/2003 | Khan et al. | |
| 7,847,380 B2 | 12/2010 | Huang | | 2003/0226901 A1 | 12/2003 | Kim et al. | |
| 7,855,895 B2 | 12/2010 | Kim et al. | | 2004/0031857 A1 | 2/2004 | Sato | |
| 7,862,381 B2 | 1/2011 | Miller | | 2004/0037145 A1 | 2/2004 | Tagawa et al. | |
| 7,874,491 B2 | 1/2011 | Janke et al. | | 2004/0061234 A1 | 4/2004 | Shah et al. | |
| 7,909,251 B2 | 3/2011 | Yi et al. | | 2004/0089717 A1 | 5/2004 | Harari et al. | |
| 7,909,611 B2 | 3/2011 | Miller | | 2004/0113265 A1 | 6/2004 | DiBattista et al. | |
| 7,914,296 B1 | 3/2011 | Howell | | 2004/0117317 A1 | 6/2004 | Feinman | |
| 7,922,097 B2 * | 4/2011 | Yoshikawa et al. | 235/492 | 2004/0194861 A1 | 10/2004 | Endou et al. | |
| D638,431 S | 5/2011 | Pomerantz et al. | | 2004/0211843 A1 * | 10/2004 | Boker | 235/492 |
| 7,946,876 B1 | 5/2011 | Huang | | 2004/0232246 A1 * | 11/2004 | Dhers et al. | 235/492 |
| 7,958,622 B1 | 6/2011 | Ayala et al. | | 2004/0238857 A1 | 12/2004 | Beroz et al. | |
| 7,961,101 B2 | 6/2011 | Narendra et al. | | 2004/0245347 A1 | 12/2004 | Shibamoto et al. | |
| 7,975,915 B2 | 7/2011 | Fidalgo et al. | | 2004/0252070 A1 * | 12/2004 | Chuang | 343/795 |
| 7,980,477 B2 | 7/2011 | Finn | | 2004/0259423 A1 | 12/2004 | Elbaz et al. | |
| D643,040 S | 8/2011 | Sedio et al. | | 2005/0007744 A1 | 1/2005 | Okita et al. | |
| 8,002,196 B2 * | 8/2011 | Yu et al. | 235/492 | 2005/0011671 A1 | 1/2005 | Takiar et al. | |
| 8,003,513 B2 | 8/2011 | Shah et al. | | 2005/0035909 A1 * | 2/2005 | Lin | 343/700 MS |
| 8,016,191 B2 | 9/2011 | Bonalle et al. | | 2005/0037540 A1 | 2/2005 | Pepe et al. | |
| 8,030,745 B2 * | 10/2011 | Yamazaki | 257/679 | 2005/0045729 A1 * | 3/2005 | Yamazaki | 235/492 |
| 8,030,746 B2 | 10/2011 | Tan | | 2005/0082636 A1 | 4/2005 | Yashima et al. | |
| 8,061,623 B2 | 11/2011 | Balchaytis | | 2005/0099269 A1 | 5/2005 | Diorio et al. | |
| 8,061,625 B2 * | 11/2011 | Yu et al. | 235/492 | 2005/0105360 A1 | 5/2005 | Takiar et al. | |
| 8,072,331 B2 | 12/2011 | Narendra et al. | | 2005/0111280 A1 | 5/2005 | Takiar et al. | |
| 8,079,528 B2 | 12/2011 | Song | | 2005/0139489 A1 * | 6/2005 | Davies et al. | 205/775 |
| 8,085,547 B2 | 12/2011 | Wu et al. | | 2005/0148217 A1 | 7/2005 | Takiar et al. | |
| D651,992 S * | 1/2012 | Nishiguchi et al. | D13/182 | 2005/0156310 A1 | 7/2005 | Benner et al. | |
| 8,107,246 B2 | 1/2012 | Fidalgo et al. | | 2005/0194453 A1 * | 9/2005 | Conner et al. | 235/492 |
| 8,110,434 B2 | 2/2012 | Okada et al. | | 2005/0197169 A1 | 9/2005 | Son | |
| 8,110,916 B2 | 2/2012 | Weng et al. | | 2005/0202667 A1 | 9/2005 | Cohen et al. | |
| 8,127,997 B2 | 3/2012 | Droz | | 2005/0212690 A1 | 9/2005 | Nishikawa | |
| 8,136,725 B2 * | 3/2012 | Yamazaki | 235/380 | 2005/0218235 A1 * | 10/2005 | Chang et al. | 235/492 |
| 8,136,732 B2 | 3/2012 | Narendra et al. | | 2005/0224588 A1 * | 10/2005 | Ruping et al. | 235/492 |
| 8,143,713 B2 | 3/2012 | Song et al. | | 2005/0230485 A1 * | 10/2005 | Ross et al. | 235/492 |
| 8,167,659 B2 | 5/2012 | Miller | | 2005/0231921 A1 * | 10/2005 | Noda et al. | 361/737 |
| 8,174,105 B2 | 5/2012 | Kwang et al. | | 2005/0236490 A1 * | 10/2005 | Fortune et al. | 235/492 |
| 8,181,880 B2 | 5/2012 | Kwon et al. | | 2005/0247797 A1 * | 11/2005 | Ramachandran | 235/492 |
| 8,191,788 B2 | 6/2012 | Morrill-Webb et al. | | 2005/0252978 A1 * | 11/2005 | Nishizawa et al. | 235/492 |
| 8,231,061 B2 | 7/2012 | Narendra et al. | | 2005/0253239 A1 | 11/2005 | Nishizawa et al. | |
| D667,442 S * | 9/2012 | Phelan | D14/492 | 2005/0281010 A1 | 12/2005 | Wang et al. | |
| 8,268,702 B2 * | 9/2012 | Takayama et al. | 438/458 | 2005/0287846 A1 * | 12/2005 | Dozen et al. | 439/85 |
| D669,478 S | 10/2012 | Lepp et al. | | 2006/0000915 A1 * | 1/2006 | Kodukula et al. | 235/492 |
| D669,479 S | 10/2012 | Lepp et al. | | 2006/0006241 A1 * | 1/2006 | Soyer et al. | 235/492 |
| 8,297,518 B2 * | 10/2012 | Yamazaki et al. | 235/492 | 2006/0047971 A1 * | 3/2006 | Miyazaki et al. | 713/186 |
| 8,301,915 B2 * | 10/2012 | Watanabe et al. | 713/300 | 2006/0049263 A1 * | 3/2006 | Ou et al. | 235/492 |
| 8,333,004 B2 | 12/2012 | Bashan et al. | | 2006/0054710 A1 * | 3/2006 | Forster et al. | 235/492 |
| 8,336,784 B2 * | 12/2012 | Phillips | 235/492 | 2006/0058065 A1 * | 3/2006 | Shen et al. | 455/558 |
| 8,342,416 B2 | 1/2013 | Kato | | 2006/0097059 A1 * | 5/2006 | Miyazaki | 235/492 |
| | | | | 2006/0131429 A1 | 6/2006 | Knoll | |
| | | | | 2006/0139901 A1 | 6/2006 | Meireles et al. | |
| | | | | 2006/0142063 A1 | 6/2006 | Monsacre | |
| | | | | 2006/0145929 A1 * | 7/2006 | Teng et al. | 343/700 MS |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | | | |
|--------------|-----|---------|-------------------------|------------|--------------|-----|---------|-------------------------|---------|
| 2006/0152417 | A1* | 7/2006 | Ying et al. | 343/702 | 2009/0084858 | A1* | 4/2009 | Borracci | 235/492 |
| 2006/0175417 | A1* | 8/2006 | Ho | 235/492 | 2009/0101722 | A1* | 4/2009 | Ortigosa Vallejo et al. | 235/492 |
| 2006/0175418 | A1* | 8/2006 | Ho | 235/492 | 2009/0108063 | A1 | 4/2009 | Jain et al. | |
| 2006/0194479 | A1 | 8/2006 | Osako et al. | | 2009/0111522 | A1* | 4/2009 | Robles | 455/558 |
| 2006/0202034 | A1 | 9/2006 | Wallace et al. | | 2009/0121020 | A1 | 5/2009 | Gallagher et al. | |
| 2006/0205280 | A1 | 9/2006 | Nishizawa et al. | | 2009/0127345 | A1 | 5/2009 | Chamley et al. | |
| 2006/0278722 | A1* | 12/2006 | Tominaga | 235/492 | 2009/0140443 | A1 | 6/2009 | Hohlfeld et al. | |
| 2006/0288145 | A1 | 12/2006 | Chen | | 2009/0156254 | A1* | 6/2009 | Montes | 455/558 |
| 2006/0288146 | A1 | 12/2006 | Chen | | 2009/0160071 | A1 | 6/2009 | Shen | |
| 2007/0013396 | A1 | 1/2007 | Kim et al. | | 2009/0166895 | A1 | 7/2009 | Noguchi et al. | |
| 2007/0023532 | A1 | 2/2007 | Narendra et al. | | 2009/0169013 | A1 | 7/2009 | Fascenda et al. | |
| 2007/0025092 | A1 | 2/2007 | Lee et al. | | 2009/0172279 | A1 | 7/2009 | Yuan et al. | |
| 2007/0026740 | A1 | 2/2007 | Chen | | 2009/0173793 | A1 | 7/2009 | Kojo et al. | |
| 2007/0032268 | A1* | 2/2007 | Gotfried | 455/558 | 2009/0200382 | A1* | 8/2009 | Kwon et al. | 235/492 |
| 2007/0080869 | A1* | 4/2007 | Chen et al. | 343/700 MS | 2009/0210569 | A1 | 8/2009 | Lusetti et al. | |
| 2007/0082703 | A1* | 4/2007 | Van Kleef | 455/558 | 2009/0216681 | A1 | 8/2009 | McCown | |
| 2007/0095910 | A1 | 5/2007 | Gallagher et al. | | 2009/0224888 | A1 | 9/2009 | Caruana | |
| 2007/0108294 | A1* | 5/2007 | Rossiter | 235/492 | 2009/0235037 | A1 | 9/2009 | Mounier et al. | |
| 2007/0108298 | A1* | 5/2007 | Kalck et al. | 235/492 | 2009/0242646 | A1* | 10/2009 | Aznar et al. | 235/492 |
| 2007/0108521 | A1 | 5/2007 | Dekker | | 2009/0245029 | A1 | 10/2009 | Kam | |
| 2007/0125866 | A1 | 6/2007 | Nishizawa et al. | | 2009/0250523 | A1* | 10/2009 | Tran | 235/492 |
| 2007/0126099 | A1 | 6/2007 | Aoki et al. | | 2009/0272815 | A1* | 11/2009 | Tanner et al. | 235/492 |
| 2007/0138301 | A1 | 6/2007 | Cinkler | | 2009/0302119 | A1* | 12/2009 | Dohmann et al. | 235/492 |
| 2007/0145133 | A1 | 6/2007 | Jolivet | | 2010/0001080 | A1* | 1/2010 | Sim et al. | 235/492 |
| 2007/0152072 | A1 | 7/2007 | Frallicciardi et al. | | 2010/0025480 | A1 | 2/2010 | Nishizawa et al. | |
| 2007/0153487 | A1 | 7/2007 | Frallicciardi et al. | | 2010/0032487 | A1* | 2/2010 | Bohn et al. | 235/492 |
| 2007/0164119 | A1* | 7/2007 | Liu et al. | 235/492 | 2010/0033307 | A1 | 2/2010 | Narendra et al. | |
| 2007/0213096 | A1* | 9/2007 | Bella et al. | 455/558 | 2010/0033310 | A1 | 2/2010 | Narendra et al. | |
| 2007/0228536 | A1 | 10/2007 | Aoki | | 2010/0038435 | A1* | 2/2010 | Tomoeda | 235/492 |
| 2007/0279312 | A1* | 12/2007 | Mei et al. | 343/845 | 2010/0049878 | A1 | 2/2010 | Yu et al. | |
| 2007/0290049 | A1* | 12/2007 | Ratcliffe | 235/492 | 2010/0072284 | A1 | 3/2010 | Nishizawa et al. | |
| 2008/0006703 | A1* | 1/2008 | Ortigosa Vallejo et al. | 235/492 | 2010/0072618 | A1 | 3/2010 | Camacho et al. | |
| 2008/0020800 | A1* | 1/2008 | Xu | 455/558 | 2010/0078485 | A1* | 4/2010 | Li | 235/492 |
| 2008/0054079 | A1* | 3/2008 | Mullen | 235/492 | 2010/0078486 | A1* | 4/2010 | Kai et al. | 235/492 |
| 2008/0054493 | A1 | 3/2008 | Leddige et al. | | 2010/0084759 | A1 | 4/2010 | Shen | |
| 2008/0061150 | A1* | 3/2008 | Phillips | 235/492 | 2010/0140814 | A1 | 6/2010 | Jones et al. | |
| 2008/0061151 | A1* | 3/2008 | Phillips | 235/492 | 2010/0176207 | A1* | 7/2010 | Yoshikawa et al. | 235/492 |
| 2008/0076474 | A1* | 3/2008 | Ho | 455/558 | 2010/0190528 | A1* | 7/2010 | Hsiao et al. | 455/558 |
| 2008/0083831 | A1* | 4/2008 | Perez Lafuente et al. | 235/492 | 2010/0200661 | A1* | 8/2010 | Shafran et al. | 235/492 |
| 2008/0088038 | A1 | 4/2008 | Hsu et al. | | 2010/0203870 | A1 | 8/2010 | Hubinak et al. | |
| 2008/0099559 | A1 | 5/2008 | Lo et al. | | 2010/0223403 | A1* | 9/2010 | Chau et al. | 710/14 |
| 2008/0099932 | A1 | 5/2008 | Silverbrook | | 2010/0227644 | A1* | 9/2010 | Yu et al. | 455/558 |
| 2008/0101986 | A1* | 5/2008 | Saini et al. | 422/56 | 2010/0262840 | A1 | 10/2010 | Benteo et al. | |
| 2008/0102895 | A1* | 5/2008 | Fernandez | 455/558 | 2010/0273528 | A1* | 10/2010 | Yu et al. | 455/558 |
| 2008/0112852 | A1* | 5/2008 | Neel et al. | 422/82.01 | 2010/0285841 | A1* | 11/2010 | Jolivet et al. | 455/558 |
| 2008/0135625 | A1* | 6/2008 | Waschk | 235/492 | 2010/0293784 | A1 | 11/2010 | Bashan et al. | |
| 2008/0135626 | A1* | 6/2008 | Reignoux et al. | 235/492 | 2010/0312698 | A1 | 12/2010 | Bonalle et al. | |
| 2008/0144650 | A1 | 6/2008 | Boch et al. | | 2011/0059773 | A1* | 3/2011 | Neumann et al. | 455/558 |
| 2008/0146280 | A1 | 6/2008 | Sasse et al. | | 2011/0077051 | A1* | 3/2011 | Brown et al. | 455/558 |
| 2008/0149737 | A1* | 6/2008 | Ohshima | 235/492 | 2011/0111593 | A1* | 5/2011 | Kanno | 438/689 |
| 2008/0153205 | A1 | 6/2008 | Nishizawa et al. | | 2011/0115060 | A1 | 5/2011 | Chiu et al. | |
| 2008/0164324 | A1 | 7/2008 | Song | | 2011/0117961 | A1* | 5/2011 | Kim et al. | 455/558 |
| 2008/0182120 | A1 | 7/2008 | Tan et al. | | 2011/0125967 | A1 | 5/2011 | Kim et al. | |
| 2008/0223937 | A1* | 9/2008 | Preta et al. | 235/492 | 2011/0147463 | A1* | 6/2011 | Schiller et al. | 235/492 |
| 2008/0245877 | A1* | 10/2008 | Billebaud et al. | 235/492 | 2011/0147467 | A1* | 6/2011 | Choi | 235/492 |
| 2008/0257967 | A1* | 10/2008 | Nishizawa et al. | 235/492 | 2011/0149533 | A1* | 6/2011 | Luo et al. | 361/751 |
| 2008/0263363 | A1 | 10/2008 | Jueneman et al. | | 2011/0157838 | A1 | 6/2011 | Morita et al. | |
| 2008/0265038 | A1* | 10/2008 | Mumbru Forn et al. | 235/492 | 2011/0171996 | A1 | 7/2011 | Narendra et al. | |
| 2008/0265039 | A1* | 10/2008 | Skowronek et al. | 235/492 | 2011/0180599 | A1* | 7/2011 | Hu et al. | 235/380 |
| 2008/0272197 | A1* | 11/2008 | Nishizawa et al. | 235/492 | 2011/0182037 | A1 | 7/2011 | Katsumura | |
| 2008/0277484 | A1 | 11/2008 | Launay et al. | | 2011/0186641 | A1* | 8/2011 | Kato et al. | 235/492 |
| 2008/0290160 | A1 | 11/2008 | Huot et al. | | 2011/0194265 | A1 | 8/2011 | Su et al. | |
| 2008/0299860 | A1 | 12/2008 | Lee et al. | | 2011/0204147 | A1* | 8/2011 | Amadeo et al. | 235/492 |
| 2008/0302876 | A1* | 12/2008 | Mullen | 235/492 | 2011/0210177 | A1* | 9/2011 | Pepin et al. | 235/492 |
| 2008/0308640 | A1* | 12/2008 | Chien | 235/492 | 2011/0233545 | A1 | 9/2011 | Shin et al. | |
| 2008/0308641 | A1 | 12/2008 | Finn | | 2011/0253793 | A1* | 10/2011 | King | 235/492 |
| 2009/0032593 | A1 | 2/2009 | Ljungerantz | | 2011/0253795 | A1* | 10/2011 | Kato | 235/492 |
| 2009/0040116 | A1 | 2/2009 | Eray | | 2011/0259966 | A1* | 10/2011 | Phillips | 235/492 |
| 2009/0057417 | A1* | 3/2009 | Shinohara et al. | 235/492 | 2011/0298585 | A1 | 12/2011 | Barry | |
| 2009/0061933 | A1 | 3/2009 | Lo et al. | | 2011/0304060 | A1 | 12/2011 | Qin et al. | |
| 2009/0065587 | A1* | 3/2009 | Phillips | 235/492 | 2012/0048948 | A1* | 3/2012 | Bertin et al. | 235/492 |
| 2009/0065591 | A1 | 3/2009 | Paul et al. | | 2012/0104634 | A1 | 5/2012 | Weng et al. | |
| 2009/0065592 | A1 | 3/2009 | Paul et al. | | 2012/0161337 | A1 | 6/2012 | Utsumi | |
| 2009/0069052 | A1 | 3/2009 | Jain et al. | | 2012/0225691 | A1* | 9/2012 | Desjeux et al. | 455/558 |
| 2009/0079053 | A1 | 3/2009 | Huang | | 2012/0256324 | A1 | 10/2012 | Liao et al. | |
| | | | | | 2012/0289196 | A1 | 11/2012 | Tan et al. | |
| | | | | | 2012/0292395 | A1* | 11/2012 | Huang et al. | 235/492 |
| | | | | | 2013/0015441 | A1* | 1/2013 | Takayama et al. | 257/49 |
| | | | | | 2013/0084918 | A1* | 4/2013 | Sheshadri | 455/558 |

(56)

References Cited

U.S. PATENT DOCUMENTS

OTHER PUBLICATIONS

ETSI, "ETSI TS 102 221," V9.2.0, Technical Specification, Oct. 2010, 179 pages.

ETSI, ETSI TS 102 412, V11.0.0, Technical Specification, May 2011, 90 pages.

ETSI, ETSI TS 102 600, V10.0.0, Technical Specification, Oct. 2010, 26 pages.

ETSI, ETSI TS 102 613, V9.2.0, Mar. 2011, 57 pages.

ETSI, ETSI TS 102 671, V9.1.0, Sep. 2011, 21 pages.

TE Connectivity, "Recommendations 4FF SIM for ETSI," Mar. 30, 2011, 9 pages.

"3GPP TSG-CT6#55," Distributing mini-UICC as punch out from Plug-in or double punch-out from ID-1, Kyoto, Japan, May 11-14, 2010, 2 pages.

"ETSI TC SCP Meeting #51," San Diego, CA, Jul. 21-22, 2011, 5 pages.

"ETSI SCP TEC Meeting #40," Sophia Antipolis, France, Aug. 29-Sep. 1, 2011, 5 pages.

"ETSI TC SCP TEC #40," Sophia-Antipolis, France, Aug. 26-Sep. 1, 2011, 1 page.

"iPhone Teardown," © 2011 iFixit, 4 pages.

International Organization for Standardization, "Identification Cards-Physical Characteristics," ISO/IEC 7810, Nov. 1, 2003, 26 pages.

International Organization for Standardization, "Identification Cards-Integrated Circuit Cards," ISO/IEC 7816-1, Feb. 15, 2011, 8 pages.

International Organization for Standardization, "Identification Cards-Integrated Circuit Cards," ISO/IEC 7816-2, Oct. 15, 2007, 14 pages.

International Organization for Standardization, "Identification Cards-Integrated Circuit Cards," ISO/IEC 7816-3, Nov. 1, 2006, 58 pages.

SMK, "Push-Push Style Micro SIM Memory Card Connector," retrieved from www.smkusa.com/usa/featured_products/mem/, Dec. 12, 2011, 4 pages.

State Intellectual Property Office of P.R. China, "Office Action," with unverified redacted English translation, issued in connection with Chinese application serial No. 201230153596, issued Sep. 18, 2012, 2 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 29/405,848, issued Oct. 2, 2012, 4 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 29/405,845, issued Sep. 27, 2012, 4 pages.

Canadian Intellectual Property Office, "Office Action," issued in connection with Canadian application serial No. 145596, issued Oct. 26, 2012, 2 pages.

United States Patent and Trademark Office, "Restriction Requirement," issued in connection with U.S. Appl. No. 29/418,880, mailed Dec. 20, 2012, 7 pages.

United States Patent and Trademark Office, "Restriction Requirement," issued in connection with U.S. Appl. No. 29/418,619, mailed Jan. 17, 2013, 9 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 13/290,874, issued Feb. 28, 2013, 38 pages.

United States Patent and Trademark Office, "Ex Parte Quayle Action," issued in connection with U.S. Appl. No. 29/418,619, issued Feb. 27, 2013, 6 page.

United States Patent and Trademark Office, "Ex Parte Quayle Action," issued in connection with U.S. Appl. No. 29/418,880, issued Feb. 7, 2013, 29 pages.

United States Patent and Trademark Office, "Final Office Action," issued in connection with U.S. Appl. No. 29/405,848, issued Feb. 22, 2013, 11 pages.

United States Patent and Trademark Office, "Restriction Requirement," issued in connection with U.S. Appl. No. 29/419,286, issued Mar. 7, 2013, 9 pages.

United States Patent and Trademark Office, "Final Rejection," issued in connection with U.S. Appl. No. 13/290,874, mailed on Jun. 18, 2013. (42 pages).

United States Patent and Trademark Office, "Ex Parte Quayle Action," issued in connection with U.S. Appl. No. 29/419,286, mailed on Jun. 20, 2013. (33 pages).

United States Patent and Trademark Office, "Notice of Allowance and Fee(s) Due," issued in connection with U.S. Appl. No. 29/405,848, mailed on Jun. 25, 2013. (42 pages).

United States Patent and Trademark Office, "Ex Parte Quayle Action," issued in connection with U.S. Appl. No. 29/418,619, mailed on Jun. 20, 2013. (49 pages).

United States Patent and Trademark Office, "Ex Parte Quayle Action," issued in connection with U.S. Appl. No. 29/418,880, mailed on Jun. 28, 2013. (22 pages).

Canadian Intellectual Property Office, Industrial Design Certificate of Registration, issued in connection with Canadian Patent Application No. 147625 on Sep. 18, 2013, 8 pages.

Canadian Intellectual Property Office, Industrial Design Certificate of Registration, issued in connection with Canadian Patent Application No. 147626 on Sep. 18, 2013, 8 pages.

Canadian Intellectual Property Office, Industrial Design Examiners Report, issued in connection with Canadian Patent Application No. 147627 on Sep. 19, 2013, 2 pages.

The United States Patent and Trademark Office, Notice of Allowance and Fee(s) Due, issued in connection with Design U.S. Appl. No. 29/418,880, mailed Nov. 12, 2013, 21 pages.

The United States Patent and Trademark Office, Notice of Allowance and Fee(s) Due, issued in connection with Design U.S. Appl. No. 29/419,286, mailed Nov. 12, 2013, 35 pages.

The United States Patent and Trademark Office, Notice of Allowance and Fee(s) Due, issued in connection with Design U.S. Appl. No. 29/418,619, mailed Nov. 14, 2013, 22 pages.

The United States Patent and Trademark Office, "Supplemental Notice of Allowance for a Design Application," issued in connection with Design U.S. Appl. No. 29/418,619, mailed Jan. 2, 2014, 4 pages.

The United States Patent and Trademark Office, "Supplemental Notice of Allowance for a Design Application," issued in connection with Design U.S. Appl. No. 29/418,880, mailed Jan. 2, 2014, 4 pages.

The United States Patent and Trademark Office, "Supplemental Notice of Allowance for a Design Application," issued in connection with Design U.S. Appl. No. 29/419,286, mailed Jan. 6, 2014, 5 pages.

* cited by examiner

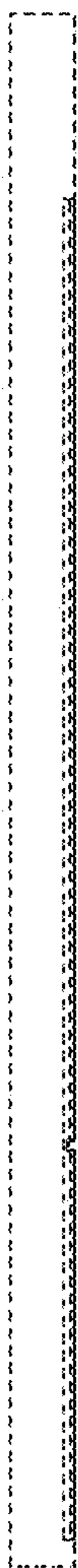


FIG. 4

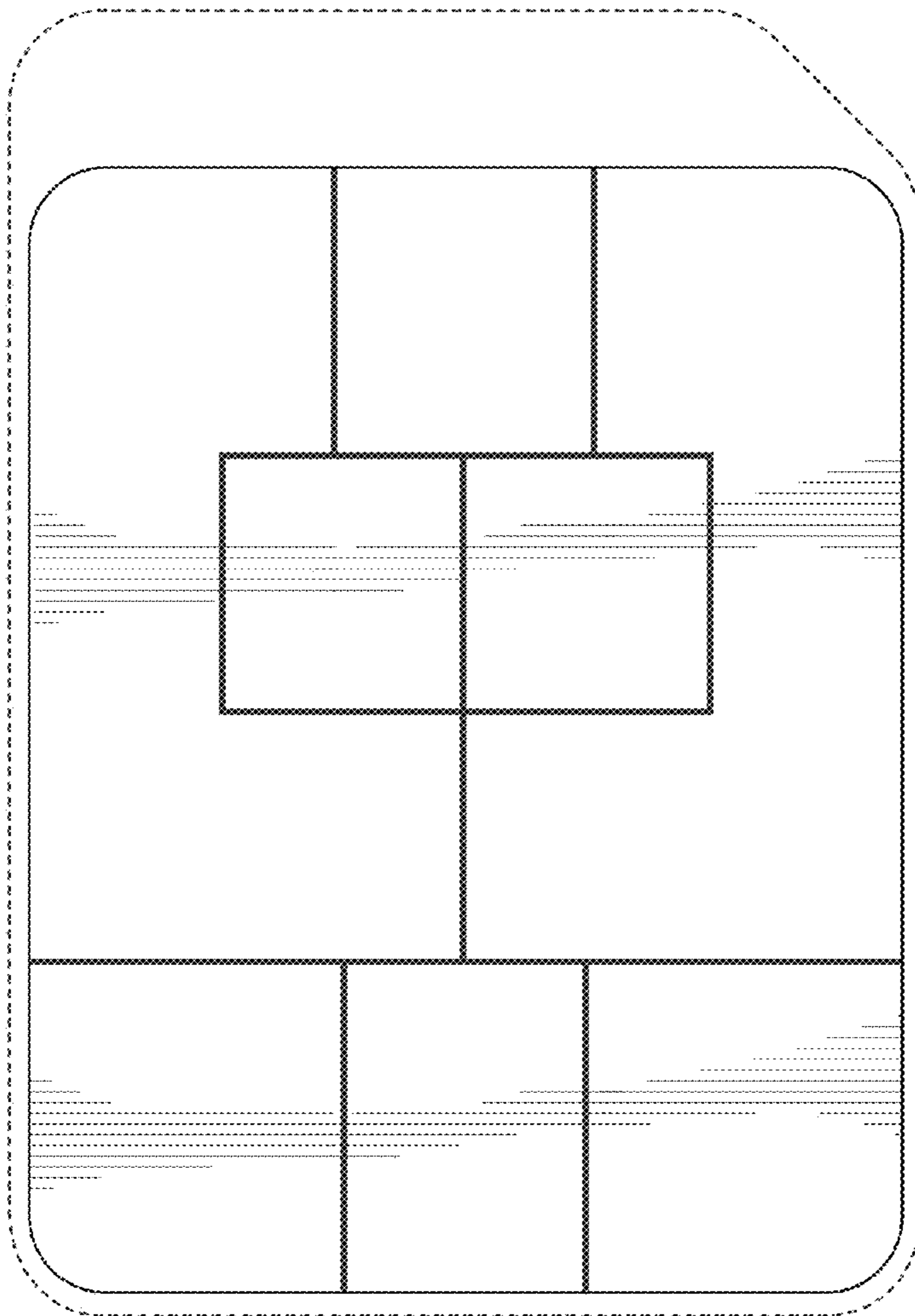


FIG. 1



FIG. 2

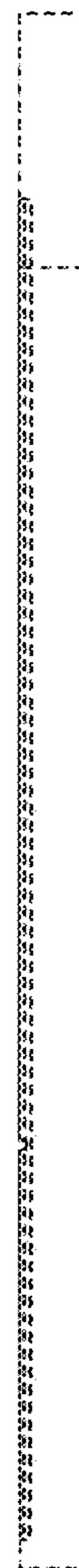


FIG. 3

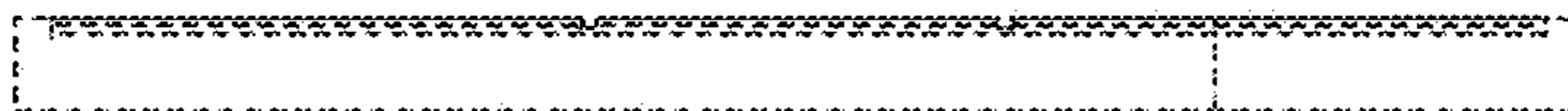


FIG. 5

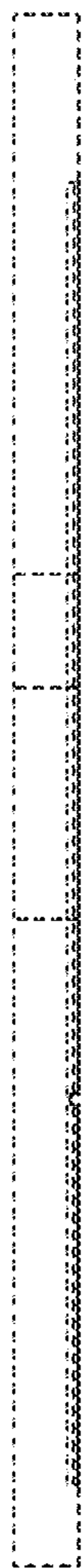


FIG. 9

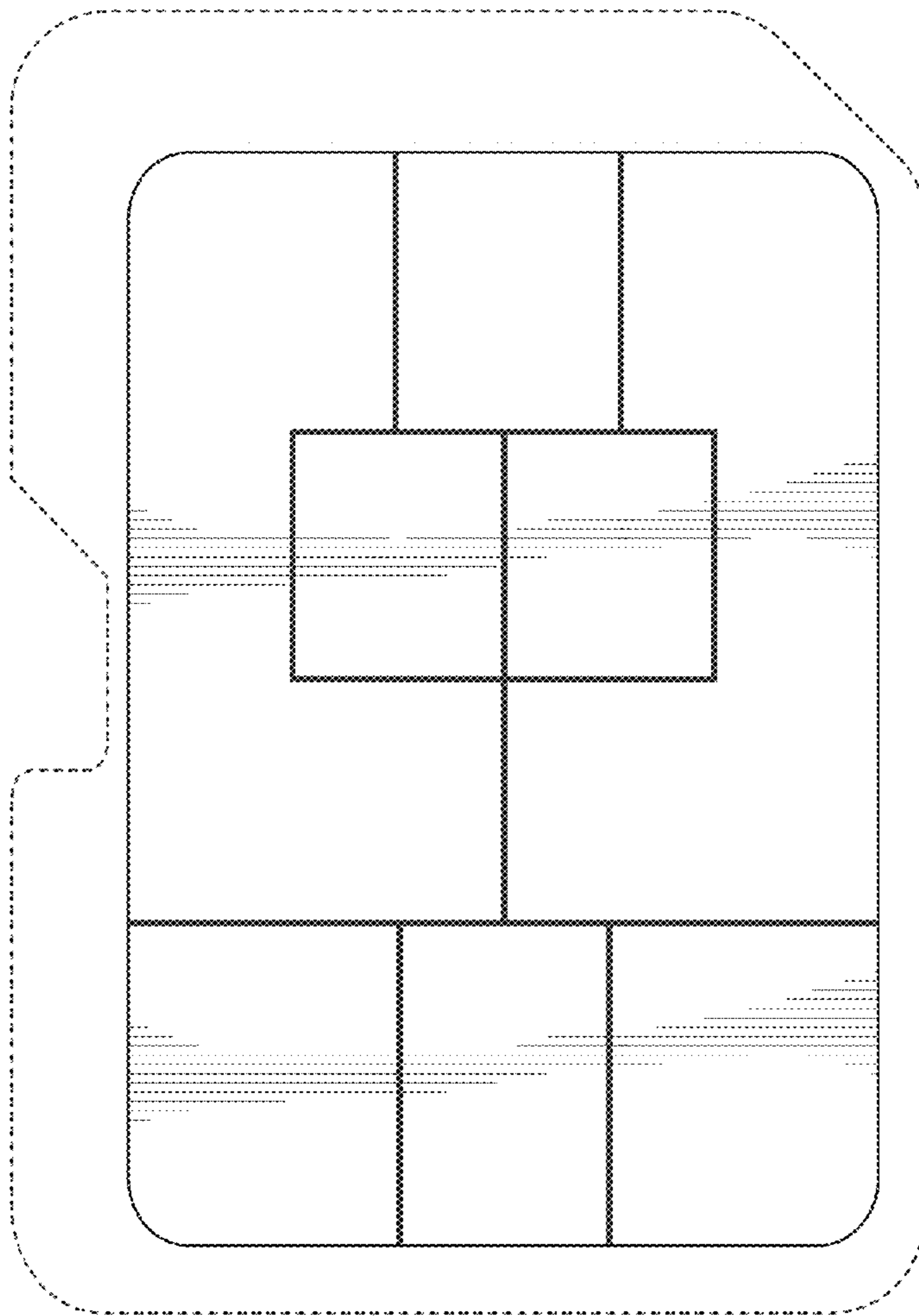


FIG. 6

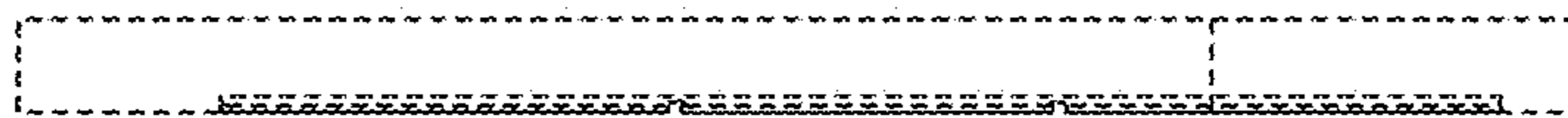


FIG. 7

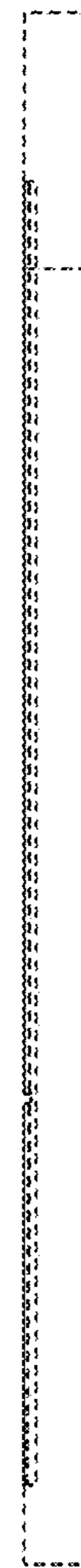


FIG. 8

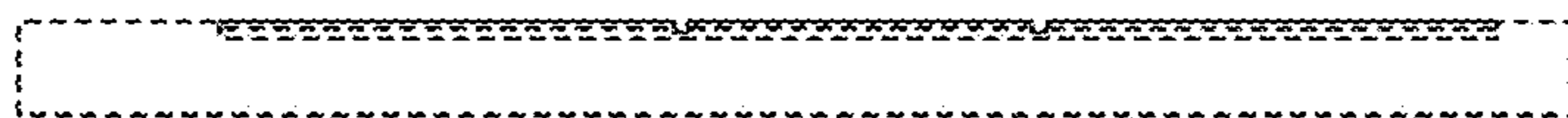


FIG. 10