



US0D1035719S

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

(10) **Patent No.:** **US D1,035,719 S**

(45) **Date of Patent:** **\*\* Jul. 16, 2024**

(54) **ELECTRONIC DEVICE WITH ANIMATED GRAPHICAL USER INTERFACE**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Guillaume P. Barlier**, Sunnyvale, CA (US); **Alan C. Dye**, San Francisco, CA (US); **Lisa K. Forssell**, Palo Alto, CA (US); **Joseph D. Gardner**, San Francisco, CA (US); **Aurelio Guzmán**, San Jose, CA (US); **Jason D. Rickwald**, Santa Cruz, CA (US); **Christopher J. Romney**, San Francisco, CA (US); **Nicolas V. Scapel**, London (GB); **Christopher I. Wilson**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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

(21) Appl. No.: **29/880,185**

(22) Filed: **Jul. 19, 2023**

**Related U.S. Application Data**

(63) Continuation of application No. 29/863,430, filed on Dec. 19, 2022, now Pat. No. Des. 996,458, which is (Continued)

(51) **LOC (14) Cl.** ..... **14-04**

(52) **U.S. Cl.**  
USPC ..... **D14/494**

(58) **Field of Classification Search**  
USPC ..... D14/485-495  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D3,139 S 7/1868 Mumford  
D3,207 S 9/1868 Hasenclever  
(Continued)

**OTHER PUBLICATIONS**

Great White Shark, by Gouby, dribbble.com [online], published on Oct. 13, 2016, [retrieved on Feb. 3, 2021], retrieved from the Internet <URL: https://dribbble.com/shots/3023471-GREAT-WHITE-SHARK> (Year: 2016).

(Continued)

*Primary Examiner* — Ian F Whitmore  
(74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

(57) **CLAIM**

The ornamental design for an electronic device with animated graphical user interface, as shown and described.

**DESCRIPTION**

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a front view of a display screen or portion thereof with animated graphical user interface showing a first image of the claimed design;

FIG. 2 is a second image thereof;

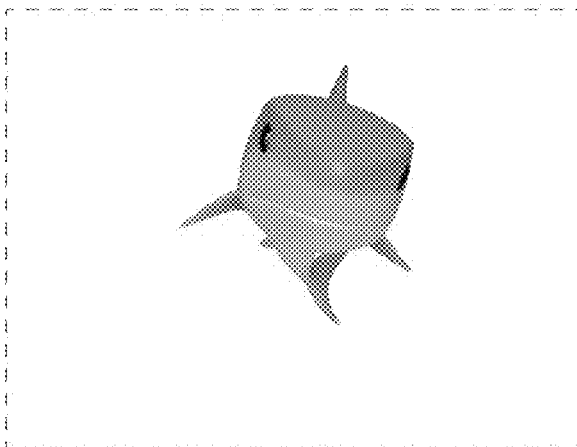
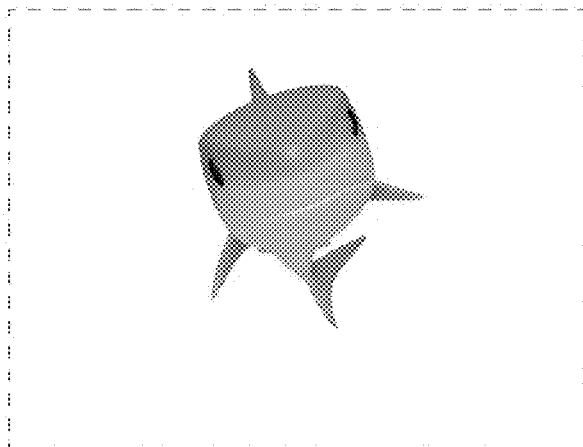
FIG. 3 is a third image thereof; and,

FIG. 4 is a front view of an electronic device having a display screen, with the animated graphical user interface of FIG. 1 applied to the display screen. The animated graphical user interface designs of FIGS. 2 and 3 may be similarly applied thereto.

The broken lines in the figures show a display screen or portion thereof, or an electronic device having a display screen, and form no part of the claimed design.

The appearance of the animated image sequentially transitions between the images shown in FIGS. 1-3. The process or period in which one image transitions to another forms no part of the claimed design.

**1 Claim, 2 Drawing Sheets**  
**(2 of 2 Drawing Sheet(s) Filed in Color)**



**Related U.S. Application Data**

a continuation of application No. 29/822,537, filed on Jan. 10, 2022, now Pat. No. Des. 973,101, which is a continuation of application No. 29/780,301, filed on Apr. 23, 2021, now Pat. No. Des. 940,758, which is a continuation of application No. 29/757,005, filed on Nov. 2, 2020, now Pat. No. Des. 917,563, which is a continuation of application No. 29/679,293, filed on Feb. 4, 2019, now Pat. No. Des. 900,871.

(58) **Field of Classification Search**

CPC ..... G06F 3/048-04897; G06F 1/1692; G06F 3/16; G06F 3/165; G06F 3/167; H04M 1/72558; H04L 12/581; H04L 12/1813; H04L 29/06421

See application file for complete search history.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

D32,183 S 1/1900 Tuchfarber  
 842,690 A 1/1907 Oswalt  
 1,547,658 A 7/1925 Kunze  
 D112,756 S 12/1938 Marshall  
 D137,874 S 5/1943 Partridge  
 2,328,941 A 9/1943 Anderson  
 D153,568 S 4/1949 Wagner  
 2,751,441 A 6/1956 Olson et al.  
 3,027,423 A 3/1962 Reinthaler  
 3,383,476 A 5/1968 Morgan  
 4,162,461 A 7/1979 Wallis et al.  
 D262,460 S 12/1981 Belhumeur  
 D277,109 S 1/1985 Gordon  
 D277,113 S 1/1985 Gordon  
 D298,144 S 10/1988 Wells-Papanek et al.  
 D300,835 S 4/1989 Stevens  
 D304,348 S 10/1989 Dunn  
 D316,570 S 4/1991 Golden  
 D327,507 S 6/1992 Wahl  
 D341,848 S 11/1993 Bigelow et al.  
 D342,283 S 12/1993 McGill  
 5,345,552 A 9/1994 Brown  
 D353,843 S 12/1994 Martin  
 D368,283 S 3/1996 van der Ploeg  
 D373,387 S 9/1996 Wu  
 5,673,401 A 9/1997 Volk et al.  
 D386,447 S 11/1997 Thomas  
 D386,476 S 11/1997 Thomas  
 D386,487 S 11/1997 Thomas  
 5,687,331 A 11/1997 Volk et al.  
 D391,991 S 3/1998 Conner  
 D395,643 S 6/1998 Ryan  
 D396,225 S 7/1998 Ryan  
 5,878,274 A 3/1999 Kono et al.  
 5,936,624 A 8/1999 Lisle et al.  
 5,966,126 A 10/1999 Szabo  
 5,991,799 A 11/1999 Yen et al.  
 5,995,093 A 11/1999 Lambourne et al.  
 D418,123 S 12/1999 Koerner  
 6,014,142 A 1/2000 Lahood  
 6,020,885 A 2/2000 Honda  
 D421,430 S 3/2000 Saxena et al.  
 D421,749 S 3/2000 Saxena et al.  
 D423,591 S 4/2000 Conley et al.  
 6,061,457 A 5/2000 Stockhamer  
 D428,614 S 7/2000 Hwang et al.  
 6,104,396 A 8/2000 Hanaoka et al.  
 6,128,010 A 10/2000 Baxter et al.  
 D437,342 S 2/2001 Kramer et al.  
 6,219,045 B1 4/2001 Leahy et al.  
 6,246,411 B1 6/2001 Strauss  
 6,262,724 B1 7/2001 Crow et al.  
 D450,059 S 11/2001 Ltou  
 D450,711 S 11/2001 Istvan et al.  
 6,388,669 B2 5/2002 Minami et al.

D462,076 S 8/2002 Robbin et al.  
 D469,129 S 1/2003 Fabel  
 6,512,525 B1 1/2003 Capps et al.  
 D471,225 S 3/2003 Gray  
 D471,226 S 3/2003 Gray  
 D471,227 S 3/2003 Gray  
 D471,239 S 3/2003 Schaller  
 D472,244 S 3/2003 Wasko  
 6,556,222 B1 4/2003 Narayanaswami  
 D474,197 S 5/2003 Nguyen  
 6,577,330 B1 6/2003 Tsuda et al.  
 D479,659 S 9/2003 Fleckenstein et al.  
 D481,736 S 11/2003 Ombao et al.  
 6,678,891 B1 1/2004 Wilcox et al.  
 6,731,316 B2 5/2004 Herigstad et al.  
 D493,493 S 7/2004 Howard  
 D494,326 S 8/2004 Long  
 D496,667 S 9/2004 Hoglund  
 6,809,724 B1 10/2004 Shiraiishi et al.  
 6,816,870 B1 11/2004 Nishimura et al.  
 6,819,338 B2 11/2004 Heasman et al.  
 6,907,580 B2 6/2005 Michelman et al.  
 6,941,359 B1 9/2005 Beauodin et al.  
 6,972,363 B2 12/2005 Georges et al.  
 D516,546 S 3/2006 Sobol  
 7,010,758 B2 3/2006 Bate  
 D520,556 S 5/2006 Lusher et al.  
 D521,017 S 5/2006 Jewitt et al.  
 D523,439 S 6/2006 Kuroda  
 D523,442 S 6/2006 Hiramatsu  
 D524,358 S 7/2006 Lusher et al.  
 7,080,328 B1 7/2006 Sawyer  
 D525,981 S 8/2006 Hally et al.  
 D525,982 S 8/2006 Suzuki  
 D527,736 S 9/2006 McDougall et al.  
 D529,484 S 10/2006 Probst  
 7,124,360 B1 10/2006 Drenttel et al.  
 7,152,210 B1 12/2006 Van Den Hoven et al.  
 D536,346 S 2/2007 Gusmorino et al.  
 D537,449 S 2/2007 Hoefnagels et al.  
 D539,810 S 4/2007 Cummins  
 D542,302 S 5/2007 Muranaka et al.  
 D543,986 S 6/2007 Rimas-Ribikauskas et al.  
 D543,987 S 6/2007 Rimas-Ribikauskas et al.  
 D543,992 S 6/2007 Vigesaa  
 D544,493 S 6/2007 Lam et al.  
 D544,875 S 6/2007 Wang et al.  
 D546,334 S 7/2007 Seo et al.  
 D547,320 S 7/2007 Kim et al.  
 D547,321 S 7/2007 Vieggers et al.  
 D547,365 S 7/2007 Reyes et al.  
 D549,712 S 8/2007 Kim et al.  
 D550,685 S 9/2007 Seo et al.  
 D551,241 S 9/2007 Seo et al.  
 D551,243 S 9/2007 Young  
 D552,120 S 10/2007 Arai  
 D552,623 S 10/2007 Vong et al.  
 D553,635 S 10/2007 Blencowe  
 D553,638 S 10/2007 Kim et al.  
 D554,140 S 10/2007 Armendariz  
 D554,656 S 11/2007 Seo et al.  
 D554,662 S 11/2007 Hoover et al.  
 D555,661 S 11/2007 Kim  
 D556,765 S 12/2007 Evans et al.  
 D557,274 S 12/2007 Mar et al.  
 D557,275 S 12/2007 De Mar et al.  
 D559,261 S 1/2008 Jung et al.  
 7,315,984 B2 1/2008 Crow et al.  
 D561,196 S 2/2008 Okaro et al.  
 D562,343 S 2/2008 Fletcher  
 D563,423 S 3/2008 Suzuki  
 D563,970 S 3/2008 Jun et al.  
 D563,993 S 3/2008 Melander et al.  
 D564,530 S 3/2008 Kim et al.  
 D565,584 S 4/2008 Gunn et al.  
 D565,586 S 4/2008 Shin et al.  
 D566,720 S 4/2008 Kwon et al.  
 D566,773 S 4/2008 Delmotte et al.  
 7,359,688 B2 4/2008 Seo et al.

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|           |    |         |                     |           |    |         |                      |
|-----------|----|---------|---------------------|-----------|----|---------|----------------------|
| 7,363,591 | B2 | 4/2008  | Goldthwaite et al.  | D612,398  | S  | 3/2010  | Lemay                |
| D568,898  | S  | 5/2008  | Byeon               | D612,399  | S  | 3/2010  | Fletcher et al.      |
| D569,383  | S  | 5/2008  | Jung et al.         | D613,301  | S  | 4/2010  | Lee et al.           |
| D569,875  | S  | 5/2008  | Fletcher et al.     | D614,637  | S  | 4/2010  | Mizulo               |
| 7,370,283 | B2 | 5/2008  | Othmer              | D614,640  | S  | 4/2010  | Viegers et al.       |
| D570,369  | S  | 6/2008  | Fletcher            | D614,641  | S  | 4/2010  | Viegers et al.       |
| D572,720  | S  | 7/2008  | Fletcher            | 7,698,656 | B2 | 4/2010  | Srivastava           |
| D574,391  | S  | 8/2008  | Kwag                | D615,549  | S  | 5/2010  | Caine et al.         |
| D574,842  | S  | 8/2008  | Kwag et al.         | D616,891  | S  | 6/2010  | Christie et al.      |
| D574,846  | S  | 8/2008  | O'Donnell et al.    | D616,892  | S  | 6/2010  | Christie et al.      |
| 7,409,059 | B2 | 8/2008  | Fujisawa            | D617,334  | S  | 6/2010  | Chaudhri             |
| D576,176  | S  | 9/2008  | Jong et al.         | D617,804  | S  | 6/2010  | Hirsch               |
| D577,364  | S  | 9/2008  | Flynt et al.        | D617,807  | S  | 6/2010  | Christie et al.      |
| D579,456  | S  | 10/2008 | Chen et al.         | D617,809  | S  | 6/2010  | Kim et al.           |
| 7,434,168 | B2 | 10/2008 | Hachiya et al.      | D618,248  | S  | 6/2010  | Anzures et al.       |
| 7,434,176 | B1 | 10/2008 | Froloff             | D618,249  | S  | 6/2010  | Ahn et al.           |
| 7,437,378 | B2 | 10/2008 | Minium et al.       | D618,698  | S  | 6/2010  | Kang et al.          |
| D579,946  | S  | 11/2008 | Lee et al.          | D618,702  | S  | 6/2010  | Lee                  |
| D579,947  | S  | 11/2008 | Kim et al.          | D619,593  | S  | 7/2010  | Fujioka et al.       |
| D580,942  | S  | 11/2008 | Oshiro et al.       | D619,601  | S  | 7/2010  | Matas                |
| D580,949  | S  | 11/2008 | Duarte              | D619,616  | S  | 7/2010  | Esterly et al.       |
| D581,424  | S  | 11/2008 | Hong                | D620,496  | S  | 7/2010  | Matas                |
| 7,458,030 | B2 | 11/2008 | Kim et al.          | D621,844  | S  | 8/2010  | Vanos                |
| D582,427  | S  | 12/2008 | Neuhaus             | D621,845  | S  | 8/2010  | Anzures et al.       |
| D582,931  | S  | 12/2008 | Blankenship et al.  | D621,848  | S  | 8/2010  | Ording               |
| D582,935  | S  | 12/2008 | Lee et al.          | 7,774,718 | B2 | 8/2010  | Finke-Anlauff et al. |
| D582,940  | S  | 12/2008 | Carpenter et al.    | D623,194  | S  | 9/2010  | Cook et al.          |
| D583,386  | S  | 12/2008 | Tomizawa et al.     | D623,195  | S  | 9/2010  | La et al.            |
| 7,478,047 | B2 | 1/2009  | Loyall et al.       | D623,695  | S  | 9/2010  | Tesnar et al.        |
| 7,493,571 | B2 | 2/2009  | Shinohara et al.    | D624,407  | S  | 9/2010  | Straker              |
| D587,720  | S  | 3/2009  | Noviello et al.     | D624,555  | S  | 9/2010  | Anzures              |
| D587,726  | S  | 3/2009  | Tarara et al.       | D624,556  | S  | 9/2010  | Chaudhri             |
| D588,149  | S  | 3/2009  | Brownell et al.     | 7,793,232 | B2 | 9/2010  | Chaudhri et al.      |
| D588,151  | S  | 3/2009  | Okada               | 7,805,684 | B2 | 9/2010  | Arvilommi            |
| D589,522  | S  | 3/2009  | Jewitt et al.       | D625,320  | S  | 10/2010 | Woods et al.         |
| 7,512,886 | B1 | 3/2009  | Herberger et al.    | D625,321  | S  | 10/2010 | Choi et al.          |
| D589,792  | S  | 4/2009  | Clabough et al.     | D625,322  | S  | 10/2010 | Guntaur et al.       |
| D590,416  | S  | 4/2009  | Kochackis           | D625,733  | S  | 10/2010 | Anzures              |
| D592,675  | S  | 5/2009  | Bhat et al.         | D626,131  | S  | 10/2010 | Kruzeniski et al.    |
| 7,536,653 | B2 | 5/2009  | Badovinac et al.    | D626,136  | S  | 10/2010 | Fujimura             |
| 7,539,933 | B2 | 5/2009  | Brown et al.        | D626,140  | S  | 10/2010 | Mclaughlin et al.    |
| D594,015  | S  | 6/2009  | Singh et al.        | 7,820,901 | B2 | 10/2010 | Terauchi et al.      |
| D594,465  | S  | 6/2009  | Hong et al.         | 7,823,080 | B2 | 10/2010 | Miyajima et al.      |
| 7,546,546 | B2 | 6/2009  | Lewis-Bowen et al.  | D627,362  | S  | 11/2010 | Christie et al.      |
| D597,101  | S  | 7/2009  | Chaudhri et al.     | D627,791  | S  | 11/2010 | Lamb et al.          |
| 7,561,169 | B2 | 7/2009  | Carroll             | 7,844,913 | B2 | 11/2010 | Amano et al.         |
| D598,027  | S  | 8/2009  | Carpenter et al.    | D628,584  | S  | 12/2010 | Umezawa              |
| 7,581,195 | B2 | 8/2009  | Sciammarella et al. | D629,419  | S  | 12/2010 | Ording et al.        |
| D599,362  | S  | 9/2009  | Danton              | 7,861,180 | B2 | 12/2010 | Liu et al.           |
| D599,368  | S  | 9/2009  | Kanga et al.        | 7,864,163 | B2 | 1/2011  | Ording et al.        |
| D599,807  | S  | 9/2009  | Marashi             | 7,877,705 | B2 | 1/2011  | Chambers et al.      |
| D599,812  | S  | 9/2009  | Hirsch              | D631,888  | S  | 2/2011  | Vance et al.         |
| D600,712  | S  | 9/2009  | LaMarma et al.      | D633,508  | S  | 3/2011  | Chou et al.          |
| D600,713  | S  | 9/2009  | LaMarma et al.      | D633,563  | S  | 3/2011  | Hill et al.          |
| D601,164  | S  | 9/2009  | Pell et al.         | D634,752  | S  | 3/2011  | Mclaughlin et al.    |
| 7,587,482 | B2 | 9/2009  | Henderson et al.    | D635,988  | S  | 4/2011  | Mays                 |
| 7,587,680 | B2 | 9/2009  | Wada                | D636,400  | S  | 4/2011  | Vance et al.         |
| D603,867  | S  | 11/2009 | La et al.           | D636,405  | S  | 4/2011  | Mays et al.          |
| D604,274  | S  | 11/2009 | Durrett et al.      | D637,201  | S  | 5/2011  | Wasko                |
| D604,305  | S  | 11/2009 | Anzures et al.      | D638,441  | S  | 5/2011  | Ording et al.        |
| D604,740  | S  | 11/2009 | Matheny et al.      | D638,442  | S  | 5/2011  | Christie et al.      |
| D607,003  | S  | 12/2009 | Bull et al.         | D638,842  | S  | 5/2011  | Woods et al.         |
| D607,008  | S  | 12/2009 | Kocmick             | 7,945,862 | B2 | 5/2011  | Aldrich et al.       |
| D607,010  | S  | 12/2009 | Kocmick             | D640,274  | S  | 6/2011  | Arnold               |
| 7,631,267 | B2 | 12/2009 | Viji et al.         | 7,956,845 | B2 | 6/2011  | Lee                  |
| D607,464  | S  | 1/2010  | Tang et al.         | D641,762  | S  | 7/2011  | Matas                |
| D607,888  | S  | 1/2010  | Ahn                 | D642,184  | S  | 7/2011  | Brouwers et al.      |
| D608,366  | S  | 1/2010  | Matas               | D642,192  | S  | 7/2011  | Arnold               |
| 7,650,169 | B2 | 1/2010  | Seo et al.          | 7,984,376 | B2 | 7/2011  | Yamabuchi et al.     |
| D609,244  | S  | 2/2010  | Seo                 | D643,436  | S  | 8/2011  | Lemay                |
| D610,159  | S  | 2/2010  | Matheny et al.      | D643,437  | S  | 8/2011  | Chaudhri             |
| D611,484  | S  | 3/2010  | Mays et al.         | D643,438  | S  | 8/2011  | Gardner et al.       |
| D611,485  | S  | 3/2010  | Marashi             | D643,848  | S  | 8/2011  | Jones et al.         |
| D611,950  | S  | 3/2010  | Fletcher et al.     | D643,853  | S  | 8/2011  | Matas                |
| D612,390  | S  | 3/2010  | Kim et al.          | D644,238  | S  | 8/2011  | Ording               |
|           |    |         |                     | D644,240  | S  | 8/2011  | Arnold et al.        |
|           |    |         |                     | D644,662  | S  | 9/2011  | Gardner et al.       |
|           |    |         |                     | D646,297  | S  | 10/2011 | Mclaughlin et al.    |
|           |    |         |                     | D648,344  | S  | 11/2011 | Arnold               |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|              |         |                   |              |         |                     |
|--------------|---------|-------------------|--------------|---------|---------------------|
| D648,346 S   | 11/2011 | Anzures           | D677,695 S   | 3/2013  | Park et al.         |
| D648,347 S   | 11/2011 | Chaudhri          | D677,696 S   | 3/2013  | Park et al.         |
| D648,348 S   | 11/2011 | Matas             | D677,697 S   | 3/2013  | Park et al.         |
| D648,732 S   | 11/2011 | Chou et al.       | D678,317 S   | 3/2013  | Lee et al.          |
| D648,733 S   | 11/2011 | Chou et al.       | D678,324 S   | 3/2013  | Park et al.         |
| D648,735 S   | 11/2011 | Arnold et al.     | D678,325 S   | 3/2013  | Park et al.         |
| D649,154 S   | 11/2011 | Vance et al.      | D678,902 S   | 3/2013  | Evans               |
| D649,155 S   | 11/2011 | van Os            | D679,721 S   | 4/2013  | Seo                 |
| D649,158 S   | 11/2011 | Lemay             | D680,126 S   | 4/2013  | Seo                 |
| 8,058,571 B2 | 11/2011 | Rajagopal et al.  | D680,129 S   | 4/2013  | Seo et al.          |
| D650,392 S   | 12/2011 | Glezer et al.     | D682,309 S   | 5/2013  | Steele et al.       |
| D650,796 S   | 12/2011 | Rincover et al.   | D682,313 S   | 5/2013  | Voreis et al.       |
| D650,797 S   | 12/2011 | Jang et al.       | D682,882 S   | 5/2013  | Cahill              |
| D650,863 S   | 12/2011 | Fiero             | D683,354 S   | 5/2013  | Perry et al.        |
| D651,610 S   | 1/2012  | Anzures           | D683,362 S   | 5/2013  | Graham et al.       |
| D652,049 S   | 1/2012  | Chou et al.       | 8,447,361 B1 | 5/2013  | Andrus et al.       |
| D652,053 S   | 1/2012  | Impas et al.      | 8,453,057 B2 | 5/2013  | Stallings et al.    |
| D652,424 S   | 1/2012  | Cahill et al.     | D683,737 S   | 6/2013  | Brinda et al.       |
| D652,428 S   | 1/2012  | Anzures           | D684,179 S   | 6/2013  | Carpenter et al.    |
| D654,925 S   | 2/2012  | Nishizawa et al.  | D684,987 S   | 6/2013  | Christie et al.     |
| D654,926 S   | 2/2012  | Lipman et al.     | D685,385 S   | 7/2013  | Seo                 |
| D655,299 S   | 3/2012  | Shallcross et al. | D686,241 S   | 7/2013  | Steele et al.       |
| D655,719 S   | 3/2012  | Zaman et al.      | D686,242 S   | 7/2013  | Gabouer et al.      |
| 8,130,219 B2 | 3/2012  | Fleury et al.     | D686,637 S   | 7/2013  | Anzures             |
| 8,145,766 B2 | 3/2012  | Durnitru et al.   | D687,452 S   | 8/2013  | Anzures et al.      |
| D656,951 S   | 4/2012  | Weir et al.       | D687,462 S   | 8/2013  | Anzures             |
| D657,377 S   | 4/2012  | Vance et al.      | D687,854 S   | 8/2013  | Nelson et al.       |
| D658,195 S   | 4/2012  | Cranfill          | D688,694 S   | 8/2013  | Simmons et al.      |
| D658,198 S   | 4/2012  | Gleasman et al.   | 8,510,407 B1 | 8/2013  | Kemmel et al.       |
| D658,667 S   | 5/2012  | Cho et al.        | 8,521,857 B2 | 8/2013  | Maxwell et al.      |
| D658,679 S   | 5/2012  | Davydov et al.    | D689,516 S   | 9/2013  | Convay et al.       |
| D659,706 S   | 5/2012  | David et al.      | D689,874 S   | 9/2013  | Brinda et al.       |
| D660,317 S   | 5/2012  | Jesberger         | D691,156 S   | 10/2013 | AeJung              |
| 8,171,084 B2 | 5/2012  | Walter et al.     | D691,160 S   | 10/2013 | Schupp et al.       |
| D661,123 S   | 6/2012  | Curbbun et al.    | D691,174 S   | 10/2013 | Lipman et al.       |
| D661,312 S   | 6/2012  | Vance et al.      | D691,623 S   | 10/2013 | Aroner et al.       |
| D662,512 S   | 6/2012  | Steele et al.     | D692,910 S   | 11/2013 | Anzures et al.      |
| D662,554 S   | 6/2012  | Pardey            | D692,915 S   | 11/2013 | Brinda et al.       |
| D663,737 S   | 7/2012  | Sullivan          | D694,254 S   | 11/2013 | Brinda et al.       |
| D664,555 S   | 7/2012  | Gleasman et al.   | D694,771 S   | 12/2013 | Edwards et al.      |
| D664,987 S   | 8/2012  | Gleasman et al.   | D694,775 S   | 12/2013 | Gardner et al.      |
| D665,851 S   | 8/2012  | Davis             | D695,775 S   | 12/2013 | Brinda et al.       |
| D666,209 S   | 8/2012  | Cranfill          | D695,779 S   | 12/2013 | Edwards et al.      |
| 8,255,810 B2 | 8/2012  | Moore et al.      | D696,265 S   | 12/2013 | D'Amore et al.      |
| D666,631 S   | 9/2012  | Ma et al.         | D696,272 S   | 12/2013 | Tagliabue et al.    |
| D667,019 S   | 9/2012  | Chaudhri          | D696,676 S   | 12/2013 | Seo                 |
| D667,460 S   | 9/2012  | Wujcik et al.     | D697,940 S   | 1/2014  | Bitran et al.       |
| D667,834 S   | 9/2012  | Coffman et al.    | D698,806 S   | 2/2014  | Funabashi et al.    |
| D667,840 S   | 9/2012  | Anzures           | D699,252 S   | 2/2014  | Tagliabue et al.    |
| 8,261,231 B1 | 9/2012  | Hirsch et al.     | D699,739 S   | 2/2014  | Voreis et al.       |
| D668,260 S   | 10/2012 | Arnold et al.     | D699,741 S   | 2/2014  | Wantland et al.     |
| D668,263 S   | 10/2012 | Jobs et al.       | D699,744 S   | 2/2014  | Ho Kushner et al.   |
| D668,673 S   | 10/2012 | Molino et al.     | 8,655,885 B1 | 2/2014  | Scott et al.        |
| D668,674 S   | 10/2012 | Suarez            | D700,615 S   | 3/2014  | Lee et al.          |
| D669,487 S   | 10/2012 | Yang et al.       | D700,617 S   | 3/2014  | Brinda et al.       |
| D670,722 S   | 11/2012 | Yang et al.       | D700,658 S   | 3/2014  | Olschnoegger et al. |
| D670,726 S   | 11/2012 | Bitran et al.     | D701,236 S   | 3/2014  | Hatta               |
| D670,736 S   | 11/2012 | Phelan            | D701,522 S   | 3/2014  | Wang et al.         |
| D671,557 S   | 11/2012 | Peters et al.     | D701,866 S   | 4/2014  | Pearson et al.      |
| D671,558 S   | 11/2012 | Anzures et al.    | D702,718 S   | 4/2014  | Abratowski et al.   |
| D671,956 S   | 12/2012 | Dellinger et al.  | D703,219 S   | 4/2014  | Shia et al.         |
| D672,363 S   | 12/2012 | Reyna et al.      | D703,691 S   | 4/2014  | Brinda et al.       |
| D672,366 S   | 12/2012 | Duggan et al.     | D703,695 S   | 4/2014  | Anzures et al.      |
| D673,167 S   | 12/2012 | Woo et al.        | D704,204 S   | 5/2014  | Rydenhag            |
| D673,973 S   | 1/2013  | Vance et al.      | D704,216 S   | 5/2014  | Dellinger           |
| D674,405 S   | 1/2013  | Guastella et al.  | D704,218 S   | 5/2014  | Ahn et al.          |
| D675,648 S   | 2/2013  | Self et al.       | D704,720 S   | 5/2014  | Maxwell             |
| D676,058 S   | 2/2013  | Cranfill          | D704,726 S   | 5/2014  | Maxwell et al.      |
| D676,866 S   | 2/2013  | Chaudhri          | D704,731 S   | 5/2014  | Pearson et al.      |
| D676,868 S   | 2/2013  | Wagner            | D705,244 S   | 5/2014  | Arnold et al.       |
| D677,326 S   | 3/2013  | Gleasman et al.   | D705,251 S   | 5/2014  | Pearson et al.      |
| D677,336 S   | 3/2013  | Murphy et al.     | D705,263 S   | 5/2014  | Hartley             |
| D677,688 S   | 3/2013  | Woo               | D705,801 S   | 5/2014  | Kerr et al.         |
| D677,690 S   | 3/2013  | Phelan            | D705,802 S   | 5/2014  | Kerr et al.         |
| D677,694 S   | 3/2013  | Park et al.       | D705,808 S   | 5/2014  | Anzures et al.      |
|              |         |                   | D705,809 S   | 5/2014  | Jewitt              |
|              |         |                   | D705,810 S   | 5/2014  | Ma et al.           |
|              |         |                   | D706,791 S   | 6/2014  | Sassoon             |
|              |         |                   | D706,803 S   | 6/2014  | Rogowski et al.     |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|              |         |                   |              |         |                     |
|--------------|---------|-------------------|--------------|---------|---------------------|
| D707,246 S   | 6/2014  | Inose et al.      | D726,203 S   | 4/2015  | Prajapati et al.    |
| D707,253 S   | 6/2014  | Yang et al.       | D726,221 S   | 4/2015  | Gomez et al.        |
| D707,705 S   | 6/2014  | Folken et al.     | D726,748 S   | 4/2015  | Maekawa             |
| D709,086 S   | 7/2014  | Baumann           | D726,765 S   | 4/2015  | Dye et al.          |
| D709,911 S   | 7/2014  | Ording            | D727,944 S   | 4/2015  | Jarzabek            |
| D710,371 S   | 8/2014  | van Os            | 9,002,879 B2 | 4/2015  | Spiegelman et al.   |
| D710,382 S   | 8/2014  | Chaudhri          | D728,615 S   | 5/2015  | Guzman et al.       |
| D711,896 S   | 8/2014  | Hanson et al.     | D729,263 S   | 5/2015  | Ahn et al.          |
| D711,909 S   | 8/2014  | Chaudhri          | D729,271 S   | 5/2015  | Zhang et al.        |
| D711,911 S   | 8/2014  | Karunamuni et al. | D729,834 S   | 5/2015  | Rezende et al.      |
| D711,921 S   | 8/2014  | Penico et al.     | D729,845 S   | 5/2015  | Lee                 |
| D712,908 S   | 9/2014  | Rodenhouse et al. | D730,387 S   | 5/2015  | Park et al.         |
| D713,417 S   | 9/2014  | Daniel            | D730,404 S   | 5/2015  | Yu et al.           |
| D714,340 S   | 9/2014  | Mason             | 9,037,982 B2 | 5/2015  | Seo et al.          |
| 8,823,654 B2 | 9/2014  | Jeong et al.      | D731,514 S   | 6/2015  | Lee                 |
| 8,839,106 B2 | 9/2014  | Lee et al.        | D731,525 S   | 6/2015  | Myers               |
| D714,812 S   | 10/2014 | Kim et al.        | D731,529 S   | 6/2015  | Cavander et al.     |
| D714,815 S   | 10/2014 | Fargher et al.    | D732,062 S   | 6/2015  | Kwon                |
| D715,313 S   | 10/2014 | Hontz, Jr.        | D733,184 S   | 6/2015  | Park                |
| D715,315 S   | 10/2014 | Wood              | D734,774 S   | 7/2015  | Akana et al.        |
| D715,811 S   | 10/2014 | Tsukamoto         | 9,075,523 B2 | 7/2015  | Stallings et al.    |
| D715,821 S   | 10/2014 | Varon et al.      | 9,087,521 B2 | 7/2015  | Reynolds            |
| D715,826 S   | 10/2014 | Sakuma            | D735,742 S   | 8/2015  | Lee et al.          |
| D716,336 S   | 10/2014 | Guss et al.       | D736,229 S   | 8/2015  | Kim et al.          |
| 8,860,749 B1 | 10/2014 | Ainslie et al.    | D736,237 S   | 8/2015  | Lee et al.          |
| 8,862,620 B2 | 10/2014 | Klein             | D737,319 S   | 8/2015  | Cavander et al.     |
| 8,866,776 B2 | 10/2014 | Yamanaka et al.   | D737,330 S   | 8/2015  | Paolantonio et al.  |
| D716,840 S   | 11/2014 | Gurley            | D738,904 S   | 9/2015  | Tyler et al.        |
| D717,334 S   | 11/2014 | Sakuma            | D738,905 S   | 9/2015  | Chaudhri et al.     |
| D717,338 S   | 11/2014 | Anzures et al.    | D738,911 S   | 9/2015  | Phelan et al.       |
| D717,811 S   | 11/2014 | Allredge et al.   | 9,122,394 B2 | 9/2015  | Funabashi et al.    |
| D717,822 S   | 11/2014 | Brotman et al.    | D740,322 S   | 10/2015 | Dye et al.          |
| D717,823 S   | 11/2014 | Brotman et al.    | D740,845 S   | 10/2015 | Karunamuni et al.   |
| D718,317 S   | 11/2014 | Yang et al.       | D741,874 S   | 10/2015 | Apodaca et al.      |
| D718,320 S   | 11/2014 | Charles et al.    | D741,880 S   | 10/2015 | Hong et al.         |
| D718,321 S   | 11/2014 | Charles et al.    | D741,890 S   | 10/2015 | Chaudhri et al.     |
| D718,334 S   | 11/2014 | Cranfill          | D742,894 S   | 11/2015 | Foss et al.         |
| D718,783 S   | 12/2014 | Inose et al.      | D742,906 S   | 11/2015 | Penico et al.       |
| D719,187 S   | 12/2014 | Arnold et al.     | D742,912 S   | 11/2015 | Tseng et al.        |
| D719,461 S   | 12/2014 | Bailey            | D743,416 S   | 11/2015 | Lim et al.          |
| D719,581 S   | 12/2014 | Frew et al.       | D743,442 S   | 11/2015 | Penico et al.       |
| D719,965 S   | 12/2014 | Taingtae et al.   | 9,176,667 B2 | 11/2015 | Yoon et al.         |
| D720,366 S   | 12/2014 | Hiltunen et al.   | D744,494 S   | 12/2015 | Roberts et al.      |
| 8,909,667 B2 | 12/2014 | Svendsen          | D745,023 S   | 12/2015 | Kwon                |
| 8,918,736 B2 | 12/2014 | Jobs et al.       | D745,556 S   | 12/2015 | Jeon et al.         |
| D721,380 S   | 1/2015  | Pereira           | 9,223,862 B2 | 12/2015 | Beckhardt           |
| D721,381 S   | 1/2015  | Pereira           | D746,831 S   | 1/2016  | Chaudhri et al.     |
| D721,382 S   | 1/2015  | Brinda et al.     | D747,344 S   | 1/2016  | Balles et al.       |
| D721,722 S   | 1/2015  | Lee               | D749,626 S   | 2/2016  | Park et al.         |
| D721,732 S   | 1/2015  | Brinda et al.     | D750,124 S   | 2/2016  | Everette et al.     |
| D722,079 S   | 2/2015  | Charles et al.    | D750,125 S   | 2/2016  | Yang et al.         |
| D723,046 S   | 2/2015  | Matias            | D750,126 S   | 2/2016  | Lee                 |
| D723,051 S   | 2/2015  | Park              | D751,089 S   | 3/2016  | Kaufthal            |
| D723,058 S   | 2/2015  | Matsuda           | D751,090 S   | 3/2016  | Hu et al.           |
| D723,059 S   | 2/2015  | Shiplacoff et al. | D752,071 S   | 3/2016  | Lee et al.          |
| 8,955,103 B2 | 2/2015  | Kline, III et al. | 9,280,844 B2 | 3/2016  | Larkin et al.       |
| 8,965,543 B2 | 2/2015  | Han               | D753,678 S   | 4/2016  | Clarke et al.       |
| D723,577 S   | 3/2015  | Matias            | D754,688 S   | 4/2016  | Chaudhri et al.     |
| D723,578 S   | 3/2015  | Matias et al.     | D754,734 S   | 4/2016  | Guzman et al.       |
| D723,579 S   | 3/2015  | Paz               | D754,750 S   | 4/2016  | Boix Sagarra et al. |
| D723,622 S   | 3/2015  | Harris            | D755,215 S   | 5/2016  | Lee et al.          |
| D724,098 S   | 3/2015  | Matias            | D756,370 S   | 5/2016  | Arriola             |
| D724,099 S   | 3/2015  | Matias et al.     | D756,379 S   | 5/2016  | Apodaca et al.      |
| D724,603 S   | 3/2015  | Williams et al.   | D757,031 S   | 5/2016  | Chen et al.         |
| D724,606 S   | 3/2015  | Matias            | D757,084 S   | 5/2016  | Chaudhri et al.     |
| D724,613 S   | 3/2015  | Liu et al.        | D757,095 S   | 5/2016  | Butcher et al.      |
| D724,618 S   | 3/2015  | Shin              | D757,110 S   | 5/2016  | Kang                |
| D725,129 S   | 3/2015  | Matias            | D757,737 S   | 5/2016  | Chaudhri et al.     |
| D725,130 S   | 3/2015  | Matias            | 9,329,830 B2 | 5/2016  | Liu et al.          |
| D725,131 S   | 3/2015  | Matias            | 9,338,514 B2 | 5/2016  | Kumar et al.        |
| D725,134 S   | 3/2015  | Boettcher et al.  | 9,342,220 B2 | 5/2016  | Basu et al.         |
| D725,671 S   | 3/2015  | Dorfmann          | D759,067 S   | 6/2016  | Kim et al.          |
| 8,989,786 B2 | 3/2015  | Feghali           | D760,745 S   | 7/2016  | Rawlins et al.      |
| D726,199 S   | 4/2015  | Matias            | D760,746 S   | 7/2016  | Dellinger et al.    |
| D726,202 S   | 4/2015  | Zum               | D760,747 S   | 7/2016  | Gehiere et al.      |
|              |         |                   | D760,766 S   | 7/2016  | Repka               |
|              |         |                   | D760,768 S   | 7/2016  | Um et al.           |
|              |         |                   | D760,791 S   | 7/2016  | Liu et al.          |
|              |         |                   | D762,692 S   | 8/2016  | Butcher et al.      |

(56)

References Cited

U.S. PATENT DOCUMENTS

|              |         |                  |                 |         |                          |
|--------------|---------|------------------|-----------------|---------|--------------------------|
| D762,725 S   | 8/2016  | Chaudhri et al.  | D798,900 S      | 10/2017 | Wan et al.               |
| D763,297 S   | 8/2016  | Chaudhri et al.  | D801,365 S      | 10/2017 | Broughton et al.         |
| D763,313 S   | 8/2016  | Sondak-Simampo   | 9,798,510 B2    | 10/2017 | Kumar et al.             |
| D763,895 S   | 8/2016  | Chaudhri et al.  | D801,992 S      | 11/2017 | Fischbach                |
| D765,139 S   | 8/2016  | Hu               | D803,263 S      | 11/2017 | Sepulveda                |
| D765,709 S   | 9/2016  | Gagnier          | D803,859 S      | 11/2017 | Su et al.                |
| D765,731 S   | 9/2016  | Hartley          | D803,873 S      | 11/2017 | Thompson et al.          |
| D765,733 S   | 9/2016  | Gagnier          | D804,524 S      | 12/2017 | Zin et al.               |
| D766,258 S   | 9/2016  | Wang et al.      | D805,103 S      | 12/2017 | Dellinger                |
| D766,276 S   | 9/2016  | Chaudhri et al.  | D806,110 S      | 12/2017 | Dye et al.               |
| D766,330 S   | 9/2016  | Forslund et al.  | D806,126 S      | 12/2017 | Mander et al.            |
| D766,925 S   | 9/2016  | Sanderson et al. | D807,907 S      | 1/2018  | Dellinger et al.         |
| D766,982 S   | 9/2016  | Forslund et al.  | D808,406 S      | 1/2018  | Lee et al.               |
| D767,634 S   | 9/2016  | Forslund et al.  | D809,553 S      | 2/2018  | Chan et al.              |
| 9,448,692 B1 | 9/2016  | Mierau et al.    | D810,115 S      | 2/2018  | Chaudhri et al.          |
| D768,163 S   | 10/2016 | Holl             | D810,130 S      | 2/2018  | Forslund et al.          |
| D768,194 S   | 10/2016 | Macbeth et al.   | D813,271 S      | 3/2018  | Manzoni                  |
| D768,648 S   | 10/2016 | Sanderson et al. | 9,940,003 B2    | 4/2018  | Han et al.               |
| D768,649 S   | 10/2016 | Sanderson et al. | D816,698 S      | 5/2018  | Oldenburger et al.       |
| D768,650 S   | 10/2016 | Chen et al.      | D818,037 S      | 5/2018  | Bauer et al.             |
| D768,687 S   | 10/2016 | Bae et al.       | D818,500 S      | 5/2018  | Marianek et al.          |
| D768,696 S   | 10/2016 | Gagnier          | D823,893 S      | 7/2018  | Sepulveda et al.         |
| D769,909 S   | 10/2016 | Roberts et al.   | D824,421 S      | 7/2018  | Williams et al.          |
| D769,925 S   | 10/2016 | Akana et al.     | D824,953 S      | 8/2018  | Butcher et al.           |
| 9,460,541 B2 | 10/2016 | Li et al.        | D827,661 S      | 9/2018  | Pirklbauer               |
| D770,519 S   | 11/2016 | Kobetz           | D829,235 S      | 9/2018  | Ganguangco et al.        |
| D771,112 S   | 11/2016 | Dellinger        | D829,239 S      | 9/2018  | Rehman                   |
| D771,116 S   | 11/2016 | Dellinger et al. | D831,674 S      | 10/2018 | Bauer et al.             |
| D771,121 S   | 11/2016 | Sondak-Simampo   | D831,696 S      | 10/2018 | Clarke et al.            |
| D771,123 S   | 11/2016 | Anzures et al.   | D835,657 S      | 12/2018 | Anzures et al.           |
| D771,653 S   | 11/2016 | Bauer et al.     | D835,673 S      | 12/2018 | Sepulveda                |
| D771,703 S   | 11/2016 | Asai et al.      | D836,654 S      | 12/2018 | Fraser et al.            |
| D772,940 S   | 11/2016 | Marianek et al.  | D837,228 S      | 1/2019  | Chaudhri et al.          |
| D773,534 S   | 12/2016 | Yuk              | D839,299 S      | 1/2019  | Lee et al.               |
| D774,082 S   | 12/2016 | Kanmamuni        | D841,050 S      | 2/2019  | Butcher et al.           |
| D774,096 S   | 12/2016 | Evans et al.     | D843,442 S      | 3/2019  | Barlier et al.           |
| D774,097 S   | 12/2016 | Evans et al.     | D844,049 S      | 3/2019  | Dye et al.               |
| D774,098 S   | 12/2016 | Evans et al.     | D844,700 S      | 4/2019  | Barlier et al.           |
| D774,548 S   | 12/2016 | Evans et al.     | D847,198 S      | 4/2019  | Taylor et al.            |
| D774,549 S   | 12/2016 | Evans et al.     | D847,854 S      | 5/2019  | Christian et al.         |
| D774,550 S   | 12/2016 | Evans et al.     | D863,354 S      | 10/2019 | Chen                     |
| D774,551 S   | 12/2016 | Evans            | D875,135 S      | 2/2020  | Tran et al.              |
| D774,552 S   | 12/2016 | Evans et al.     | D875,785 S      | 2/2020  | Hugot et al.             |
| D775,151 S   | 12/2016 | Dellinger et al. | D876,534 S      | 2/2020  | Bauer et al.             |
| D775,178 S   | 12/2016 | Chaudhri et al.  | D877,194 S      | 3/2020  | Pazmino et al.           |
| D775,210 S   | 12/2016 | Evans            | D900,871 S      | 11/2020 | Barlier et al.           |
| D775,211 S   | 12/2016 | Evans            | D900,925 S      | 11/2020 | Barlier et al.           |
| D775,212 S   | 12/2016 | Evans            | D902,221 S      | 11/2020 | Barlier et al.           |
| D775,213 S   | 12/2016 | Evans et al.     | D914,762 S *    | 3/2021  | Lee ..... D14/494        |
| 9,511,291 B2 | 12/2016 | Lyons et al.     | D914,763 S *    | 3/2021  | Lee ..... D14/494        |
| D775,671 S   | 1/2017  | Evans            | D916,957 S      | 4/2021  | Barlier et al.           |
| D776,701 S   | 1/2017  | Huang et al.     | D917,563 S      | 4/2021  | Barlier et al.           |
| D777,209 S   | 1/2017  | Penico et al.    | 11,107,261 B2 * | 8/2021  | Scapel ..... G06V 40/166 |
| D777,761 S   | 1/2017  | Woo et al.       | D964,458 S *    | 9/2022  | Barlier ..... D18/27     |
| D779,535 S   | 2/2017  | Harju et al.     | 2002/0054154 A1 | 5/2002  | Fukuda et al.            |
| D779,540 S   | 2/2017  | Rad et al.       | 2002/0089549 A1 | 7/2002  | Munro et al.             |
| D779,548 S   | 2/2017  | Shin et al.      | 2002/0130894 A1 | 9/2002  | Young et al.             |
| 9,576,400 B2 | 2/2017  | van Os et al.    | 2003/0151611 A1 | 8/2003  | Turpin et al.            |
| D780,798 S   | 3/2017  | Yang et al.      | 2003/0160824 A1 | 8/2003  | Szumla                   |
| D781,339 S   | 3/2017  | Li et al.        | 2003/0169291 A1 | 9/2003  | Nakata et al.            |
| D781,342 S   | 3/2017  | Gandhi et al.    | 2003/0174177 A1 | 9/2003  | Tsukuda et al.           |
| D781,911 S   | 3/2017  | Tegethoff        | 2004/0064510 A1 | 4/2004  | Ooi et al.               |
| D783,631 S   | 4/2017  | Inose et al.     | 2004/0235520 A1 | 11/2004 | Cadiz et al.             |
| D783,640 S   | 4/2017  | Apodaca et al.   | 2005/0050474 A1 | 3/2005  | Bells et al.             |
| D783,652 S   | 4/2017  | Guan             | 2005/0066286 A1 | 3/2005  | Makela                   |
| D786,296 S   | 5/2017  | Zhong et al.     | 2005/0114783 A1 | 5/2005  | Szeto                    |
| D788,808 S   | 6/2017  | Chaudhri et al.  | 2005/0138574 A1 | 6/2005  | Lin                      |
| D789,382 S   | 6/2017  | Chaudhri et al.  | 2005/0193345 A1 | 9/2005  | Klassen et al.           |
| D790,567 S   | 6/2017  | Su et al.        | 2005/0257170 A1 | 11/2005 | Kim et al.               |
| D790,581 S   | 6/2017  | Chaudhri et al.  | 2006/0174273 A1 | 8/2006  | Park et al.              |
| D791,162 S   | 7/2017  | Dellinger et al. | 2006/0212811 A1 | 9/2006  | Gottfurcht et al.        |
| D792,454 S   | 7/2017  | Baumez et al.    | 2006/0238517 A1 | 10/2006 | King et al.              |
| D792,458 S   | 7/2017  | Chaudhri et al.  | 2006/0284852 A1 | 12/2006 | Hofmeister et al.        |
| D795,295 S   | 8/2017  | Bull et al.      | 2006/0294465 A1 | 12/2006 | Ronen et al.             |
| D795,924 S   | 8/2017  | Sondak-Simampo   | 2007/0067738 A1 | 3/2007  | Flynt et al.             |
|              |         |                  | 2007/0135690 A1 | 6/2007  | Nicholl                  |
|              |         |                  | 2007/0226655 A1 | 9/2007  | Shimizu                  |
|              |         |                  | 2007/0283263 A1 | 12/2007 | Zawde et al.             |
|              |         |                  | 2008/0034309 A1 | 2/2008  | Louch et al.             |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

- 2008/0082613 A1 4/2008 Szeto et al.  
 2008/0092061 A1 4/2008 Bankston et al.  
 2008/0094369 A1 4/2008 Ganatra et al.  
 2008/0098331 A1 4/2008 Novick et al.  
 2008/0120548 A1 5/2008 Morita et al.  
 2008/0163054 A1 7/2008 Pieper et al.  
 2008/0163119 A1 7/2008 Kim et al.  
 2008/0189658 A1 8/2008 Jeong et al.  
 2008/0195944 A1 8/2008 Lee et al.  
 2008/0235248 A1 9/2008 Krantz et al.  
 2008/0276199 A1 11/2008 Hosogai et al.  
 2008/0295027 A1 11/2008 Seo et al.  
 2009/0061837 A1 3/2009 Chaudhri et al.  
 2009/0064038 A1 3/2009 Fleischman et al.  
 2009/0089675 A1 4/2009 Han  
 2009/0113318 A1 4/2009 Roseway et al.  
 2009/0113333 A1 4/2009 Dellinger et al.  
 2009/0144644 A1 6/2009 Chaudhri et al.  
 2009/0172562 A1 7/2009 Lai  
 2009/0199120 A1 8/2009 Baxter et al.  
 2009/0217188 A1 8/2009 Alexander et al.  
 2009/0228820 A1 9/2009 Kim et al.  
 2009/0244003 A1 10/2009 Bonnat  
 2009/0264158 A1 10/2009 Backing  
 2009/0271731 A1 10/2009 Lin et al.  
 2009/0300513 A1 12/2009 Nims et al.  
 2010/0017715 A1 1/2010 Balassanian  
 2010/0023865 A1 1/2010 Fulker et al.  
 2010/0118037 A1 5/2010 Sheikh et al.  
 2010/0146387 A1 6/2010 Hoover  
 2010/0146433 A1 6/2010 Murata et al.  
 2010/0185064 A1 7/2010 Bandic et al.  
 2010/0192105 A1 7/2010 Kim et al.  
 2010/0231523 A1 9/2010 Chou  
 2010/0233441 A1 9/2010 Kubota et al.  
 2010/0248689 A1 9/2010 Teng et al.  
 2010/0298959 A1 11/2010 Sekiguchi  
 2010/0332518 A1 12/2010 Song et al.  
 2011/0029927 A1 2/2011 Lietzke et al.  
 2011/0060988 A1 3/2011 Mysliwy  
 2011/0083074 A1 4/2011 Jellison, Jr. et al.  
 2011/0122077 A1 5/2011 Choi  
 2011/0161080 A1 6/2011 Ballinger et al.  
 2011/0161890 A1 6/2011 Anderson et al.  
 2011/0169853 A1 7/2011 Oiwa et al.  
 2011/0202963 A1 8/2011 Fulcher et al.  
 2011/0252383 A1 10/2011 Miyashita  
 2011/0258547 A1 10/2011 Symons et al.  
 2011/0264764 A1 10/2011 Kewalramani et al.  
 2011/0271194 A1 11/2011 Lin et al.  
 2011/0288868 A1 11/2011 Lloyd et al.  
 2012/0011568 A1 1/2012 Tahan  
 2012/0022872 A1 1/2012 Gmber et al.  
 2012/0023401 A1 1/2012 Arscott et al.  
 2012/0026105 A1 2/2012 Cheung et al.  
 2012/0035908 A1 2/2012 Lebeau et al.  
 2012/0036435 A1 2/2012 Yang et al.  
 2012/0036480 A1 2/2012 Wamer et al.  
 2012/0056827 A1 3/2012 Kim et al.  
 2012/0068854 A1 3/2012 Shifflet et al.  
 2012/0079427 A1 3/2012 Carmichael et al.  
 2012/0084692 A1 4/2012 Bae  
 2012/0088447 A1 4/2012 Kwahk et al.  
 2012/0096410 A1 4/2012 Lancaster  
 2012/0105490 A1 5/2012 Pasquero et al.  
 2012/0110510 A1 5/2012 Cindy et al.  
 2012/0137216 A1 5/2012 Choi  
 2012/0159328 A1 6/2012 Millington et al.  
 2012/0165071 A1 6/2012 Hsu et al.  
 2012/0254804 A1 10/2012 Sheha et al.  
 2012/0266100 A1 10/2012 Caliendo, Jr. et al.  
 2012/0311472 A1 12/2012 Kim  
 2012/0316932 A1 12/2012 Ralunan et al.  
 2013/0050250 A1 2/2013 Brinda et al.  
 2013/0067419 A1 3/2013 Eltoft  
 2013/0069893 A1 3/2013 Brinda et al.  
 2013/0076657 A1 3/2013 Reeves et al.  
 2013/0086492 A1 4/2013 Sirpal et al.  
 2013/0086522 A1 4/2013 Shimazu et al.  
 2013/0145286 A1 6/2013 Feng et al.  
 2013/0145313 A1 6/2013 Roh et al.  
 2013/0159931 A1 6/2013 Lee et al.  
 2013/0180383 A1 7/2013 Vandendool  
 2013/0185679 A1 7/2013 Fretwell et al.  
 2013/0187780 A1 7/2013 Angelides  
 2013/0211565 A1 8/2013 Kimoto  
 2013/0268875 A1 10/2013 Han et al.  
 2013/0321340 A1 12/2013 Seo et al.  
 2014/0059494 A1 2/2014 Lee et al.  
 2014/0204076 A1 7/2014 Kuper et al.  
 2014/0240260 A1 8/2014 Park et al.  
 2014/0240579 A1 8/2014 Park et al.  
 2014/0250564 A1 9/2014 Ramos  
 2014/0258901 A1 9/2014 Cho  
 2014/0278408 A1 9/2014 Park et al.  
 2014/0282254 A1 9/2014 Feiereisen et al.  
 2014/0298233 A1 10/2014 Pettey et al.  
 2014/0319232 A1 10/2014 Gourlay et al.  
 2014/0333528 A1 11/2014 Murata  
 2014/0337771 A1 11/2014 Jung et al.  
 2014/0337791 A1 11/2014 Agnetta et al.  
 2014/0351744 A1 11/2014 Jeon et al.  
 2014/0362105 A1 12/2014 Kocienda et al.  
 2014/0365904 A1 12/2014 Kim et al.  
 2014/0365958 A1 12/2014 Park et al.  
 2015/0020101 A1 1/2015 Brown et al.  
 2015/0046876 A1 2/2015 Goldenberg  
 2015/0082231 A1 3/2015 Ren et al.  
 2015/0116490 A1 4/2015 Scalisi  
 2015/0121309 A1 4/2015 Reed  
 2015/0205472 A1 7/2015 Han et al.  
 2015/0205509 A1 7/2015 Scriven et al.  
 2015/0286391 A1 10/2015 Jacobs et al.  
 2015/0345068 A1 12/2015 Coffman et al.  
 2016/0011726 A1 1/2016 Felt  
 2016/0028736 A1 1/2016 Gehring  
 2016/0046468 A1 2/2016 Heravi et al.  
 2016/0054908 A1 2/2016 Vegesna et al.  
 2016/0062589 A1 3/2016 Wan et al.  
 2016/0062630 A1 3/2016 Anzures et al.  
 2016/0063748 A1 3/2016 Kim et al.  
 2016/0180801 A1 6/2016 Lee et al.  
 2016/0188152 A1 6/2016 Chou et al.  
 2016/0188197 A1 6/2016 Ryu et al.  
 2016/0291831 A1 10/2016 Baek et al.  
 2016/0357282 A1 12/2016 Block et al.  
 2017/0046121 A1 2/2017 Lee et al.  
 2017/0068449 A1 3/2017 Stapnes Johnsen et al.  
 2017/0083586 A1 3/2017 Huang et al.  
 2017/0115736 A1 4/2017 Patel et al.  
 2017/0153792 A1 6/2017 Kapoor et al.  
 2017/0192651 A1 7/2017 Yang et al.  
 2017/0249056 A1 8/2017 Rainey et al.  
 2017/0255342 A1 9/2017 Fontaine et al.  
 2017/0315699 A1 11/2017 Markus et al.  
 2017/0336961 A1 11/2017 Heo et al.  
 2017/0351850 A1 12/2017 Jin et al.  
 2018/0025323 A1 1/2018 Pintos  
 2018/0091732 A1 3/2018 Wilson et al.  
 2018/0165858 A1 6/2018 Ahuja et al.  
 2018/0329587 A1 11/2018 Ko et al.  
 2020/0234481 A1 7/2020 Scapel et al.

## OTHER PUBLICATIONS

Updated High-Definition Creature Models in Battle for Azeroth, by Perculia, wowhead.com [online], published on Jan. 28, 2018, [retrieved on Jul. 24, 2020], retrieved from the Internet <URL: <https://www.wowhead.com/news=281196/>.  
 Blahhh Blahhhh, by Tomei, YouTube; <https://www.youtube.com/watch?v=gobLjk1QBtc>, dated May 9, 2010.

(56)

**References Cited**

OTHER PUBLICATIONS

Japanese Patent Office Document (JPO) Document HJ2519047500, "Free Wallpapers, Games & Apps Tube 4 You," <https://play.google.com/store/apps/details?id=com.appspot.yourdepot.angryshark>, dated Dec. 23, 2013.

Rescuing Eddy, Pororo Shark Attack!!, YouTube; <https://www.youtube.com/watch?v=sAb487Fsizk>, dated Oct. 16, 2016.

Emojipedia, "Apple iOS 10.2" (<http://www.emojipedia.com/apple/ios-10.2/>), Dated Dec. 12, 2016, 33 pages.

Full Emoji Data Chart. Dated Jan. 6, 2016. URL:<https://web.archive.org/web/20160106153511/http://unicode.org/emoji/charts/full-emoji-list.html> (70 pages).

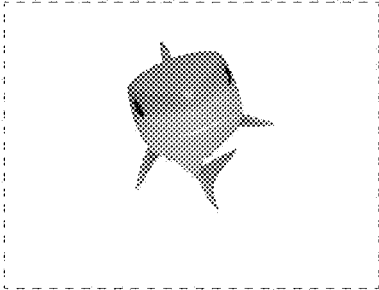
Apple iOS 11.1 Emoji List. URL: <https://emojipedia.org/apple/ios-11.1/>. (34 pages). Dated Oct. 31, 2017.

Apple iOS 11.2 Emoji List. URL: <https://emojipedia.org/apple/ios-11.2/>. (34 pages). Dated Dec. 2, 2017.

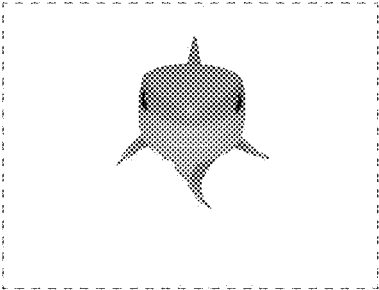
Apple iOS 11.3 Emoji List. URL: <https://emojipedia.org/apple/ios-11.3/>. (36 pages). Dated Mar. 29, 2018.

\* cited by examiner

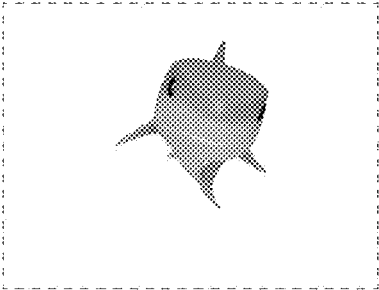




**FIG. 1**



**FIG. 2**



**FIG. 3**

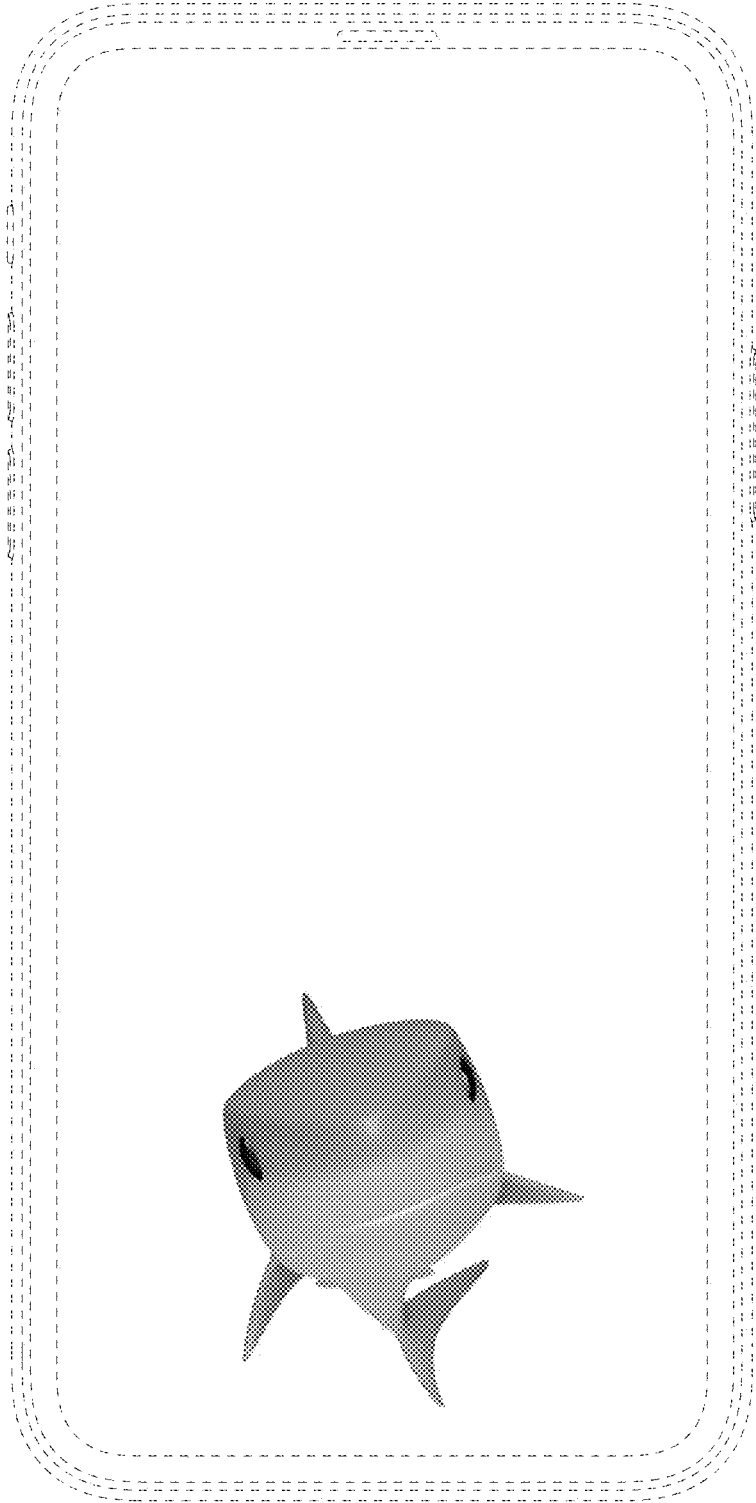


FIG. 4