

US00D974554S

(12) **United States Design Patent** (10) **Patent No.:** **US D974,554 S**
Sun (45) **Date of Patent:** **** Jan. 3, 2023**

(54) **DIGITAL OTOSCOPE**

(71) Applicant: **Yingjie Sun**, Irvine, CA (US)

(72) Inventor: **Yingjie Sun**, Irvine, CA (US)

(73) Assignee: **ScopeAround Inc.**, Irvine, CA (US)

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

(21) Appl. No.: **29/652,263**

(22) Filed: **Jun. 30, 2020**

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/137**

(58) **Field of Classification Search**

USPC D24/112–114, 108, 130, 127, 187, 133,
D24/134, 136, 137, 138, 135, 140, 144,
D24/145, 146, 147, 158, 189; D13/184;
D14/125, 357–358, 496, 188, 242, 432
CPC H04N 21/00; H04N 21/20; H04N 21/40
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D371,198 S * 6/1996 Savage D24/186
D398,607 S * 9/1998 Hanafsa D14/191
D400,880 S * 11/1998 Hin D14/191
D401,238 S * 11/1998 Shiono D14/191
D402,656 S * 12/1998 Nishii D14/191
D499,423 S * 12/2004 Bahroocha D14/203.7
D507,003 S * 7/2005 Pai D14/203.7
D512,450 S * 12/2005 Jinde D16/202
D521,527 S * 5/2006 Lee D14/203.7
D523,446 S * 6/2006 Peng D14/203.7
D529,045 S * 9/2006 Shin D14/203.7
D540,356 S * 4/2007 Ina D16/202
D543,528 S * 5/2007 Kim D14/138 G
D556,806 S * 12/2007 Horikiri D16/202
D557,722 S * 12/2007 Horiki D16/202

D560,683 S * 1/2008 Lee D14/496
D563,806 S * 3/2008 Jeon D10/65
D568,362 S * 5/2008 Horikiri D16/202
D570,890 S * 6/2008 Yoneya D16/202
D582,916 S * 12/2008 Wada D14/371
D582,917 S * 12/2008 Wada D14/371
D583,400 S * 12/2008 Lee D16/202
D588,178 S * 3/2009 Sakai D16/202
D588,179 S * 3/2009 Hamamura D16/202
D589,073 S * 3/2009 Hibi D16/218
D602,968 S * 10/2009 Sato D16/202
D611,362 S * 3/2010 Hansen D10/65
D640,149 S * 6/2011 Lenz D10/65
D641,389 S * 7/2011 Dastagir D16/219
D648,765 S * 11/2011 Tsukamoto D16/202
D652,853 S * 1/2012 Tsukamoto D16/202
D656,935 S * 4/2012 Jones D14/341

(Continued)

Primary Examiner — T Chase Nelson

Assistant Examiner — Kelly L Gross

(74) *Attorney, Agent, or Firm* — Dunlap Bennett &
Ludwig, PLLC

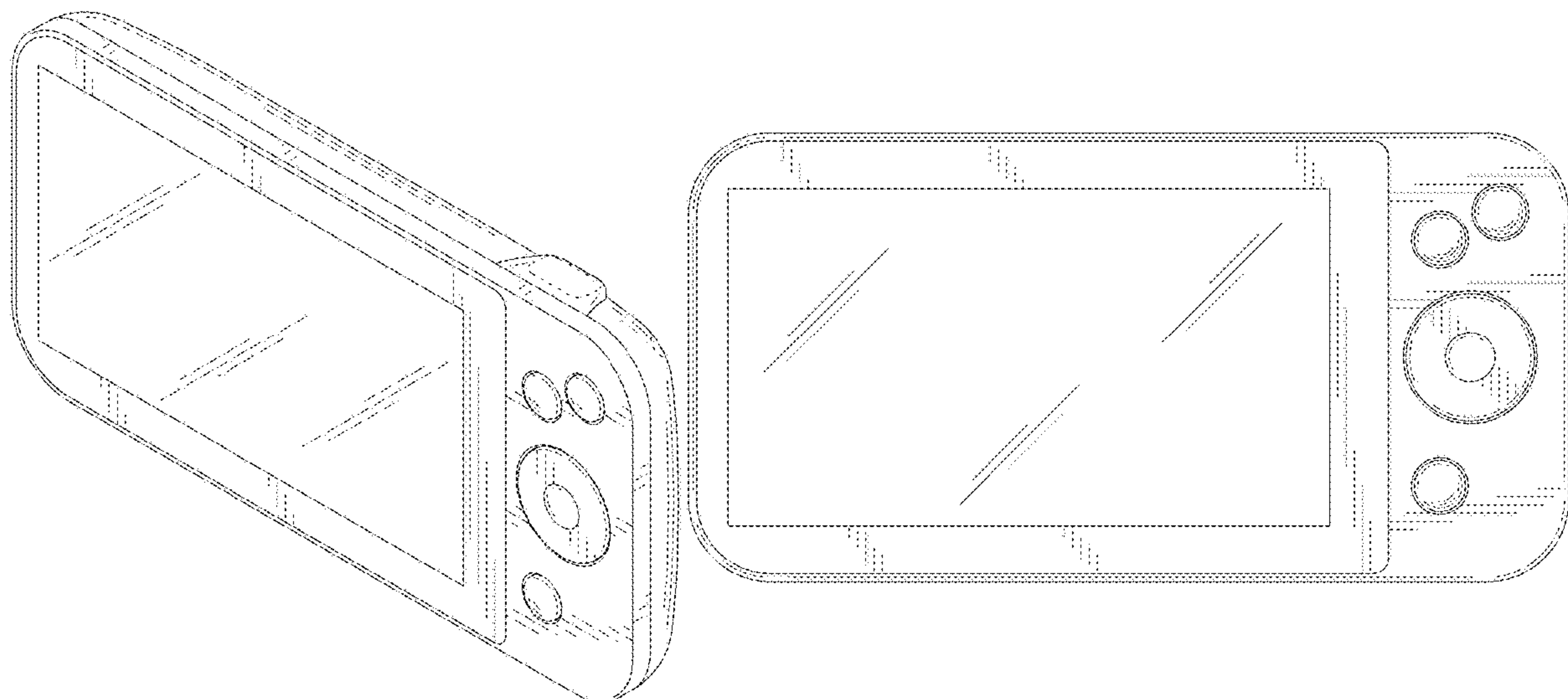
(57) **CLAIM**

The ornamental design for a digital otoscope, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a digital otoscope, showing my new design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a right elevation view thereof;
FIG. 6 is a left elevation view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines shown in the drawings depict portions of the digital otoscope that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D664,177 S * 7/2012 Oikawa D16/202
D672,767 S * 12/2012 Yoneya D14/341
D676,046 S * 2/2013 Hatori D14/341
D676,441 S * 2/2013 Choi D14/341
D677,295 S * 3/2013 Fujita D16/202
D682,334 S * 5/2013 InShik D16/202
D682,335 S * 5/2013 Kim D16/202
D683,780 S * 6/2013 Sakai D16/202
D687,825 S * 8/2013 Lee D14/341
D687,826 S * 8/2013 Jeon D14/341
D687,827 S * 8/2013 Song D14/341
D691,131 S * 10/2013 Brown D14/341
D698,311 S * 1/2014 Salzman D13/108
D700,084 S * 2/2014 Hsu D10/70
D701,551 S * 3/2014 Inoue D16/202
D712,950 S * 9/2014 Kwon D16/202
D719,992 S * 12/2014 Peng D16/202
D722,332 S * 2/2015 Kobayashi D16/202
D723,083 S * 2/2015 Jang D16/202
D723,088 S * 2/2015 Jang D16/202
D724,223 S * 3/2015 Nishiyama D24/169
D727,386 S * 4/2015 Kobayashi D16/202
D732,682 S * 6/2015 Porat D24/215
D734,803 S * 7/2015 Hallgren D16/202
D737,355 S * 8/2015 Tainaka D16/202
D742,310 S * 11/2015 Yen D13/108
D742,858 S * 11/2015 Morisawa D14/218
D756,526 S * 5/2016 Ho D24/200
D757,292 S * 5/2016 Chen D24/215
D758,605 S * 6/2016 Chen D24/215
D758,606 S * 6/2016 Chen D24/215
D758,656 S * 6/2016 Freshwater D27/163
D759,262 S * 6/2016 Chen D24/215
D759,263 S * 6/2016 Chen D24/215
D760,913 S * 7/2016 Douglas D24/210
D762,872 S * 8/2016 Chen D24/215
D763,342 S * 8/2016 Kim D16/219
D773,545 S * 12/2016 Nikaido D16/202
D775,728 S * 1/2017 Cavada D24/144
D779,677 S * 2/2017 Chen D24/215
D785,564 S * 5/2017 Lee D13/108
D794,803 S * 8/2017 Thom D24/169

D801,525 S * 10/2017 Ohno D24/138
D802,132 S * 11/2017 Ohno D24/138
D806,079 S * 12/2017 Benedetti D14/440
D811,459 S * 2/2018 Fang D16/130
D813,376 S * 3/2018 Peret D24/111
D813,407 S * 3/2018 Chen D24/215
D813,408 S * 3/2018 Chen D24/215
D815,730 S * 4/2018 Collins D24/111
D819,811 S * 6/2018 Ohno D24/138
D820,446 S * 6/2018 Ohno D24/138
D820,987 S * 6/2018 Tam D24/163
D822,065 S * 7/2018 Kang D14/203.3
D829,212 S * 9/2018 Bidwell D14/426
D836,074 S * 12/2018 Sun D14/125
D836,788 S * 12/2018 Peng D24/200
D842,488 S * 3/2019 Gan D24/215
D842,736 S * 3/2019 Laurino D24/232
D844,607 S * 4/2019 Fredette D18/4.6
D845,298 S * 4/2019 Wang D18/4.6
D849,076 S * 5/2019 Bertram D16/202
D850,446 S * 6/2019 Wang D18/4.6
D852,771 S * 7/2019 Hu D14/155
D853,583 S * 7/2019 Pizzochero D24/138
D858,464 S * 9/2019 Li D13/168
D861,510 S * 10/2019 Wang D16/208
D885,215 S * 5/2020 Dewey D10/78
D887,555 S * 6/2020 Uda D24/170
D888,247 S * 6/2020 Takahashi D24/158
D897,307 S * 9/2020 Kawatake D14/158
D899,588 S * 10/2020 Harkin D24/127
D907,097 S * 1/2021 Suurmeijer D16/206
D907,232 S * 1/2021 Reber D24/216
D908,157 S * 1/2021 Sun D14/138 G
D909,982 S * 2/2021 Kawatake D14/158
D912,903 S * 3/2021 Fu D28/58
D919,093 S * 5/2021 Takahashi D24/158
D920,518 S * 5/2021 Takahashi D24/158
D927,004 S * 8/2021 Peng D24/200
D930,294 S * 9/2021 Jia D10/104.1
D934,417 S * 10/2021 Harkin D24/127
D935,615 S * 11/2021 Ben Dor D24/186
D936,827 S * 11/2021 Wang D24/138
D940,094 S * 1/2022 Chen D14/138 G

* cited by examiner

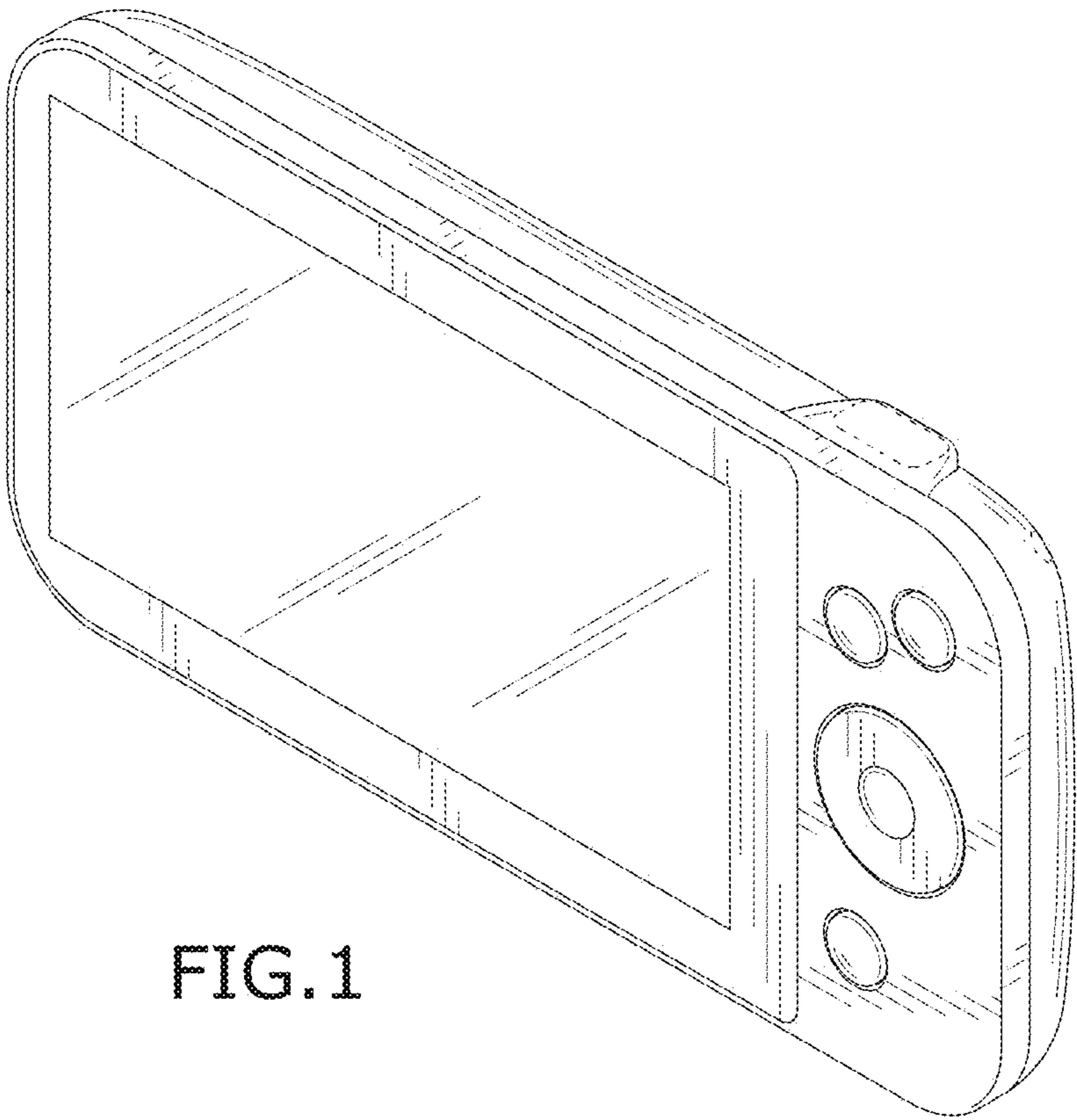


FIG.1

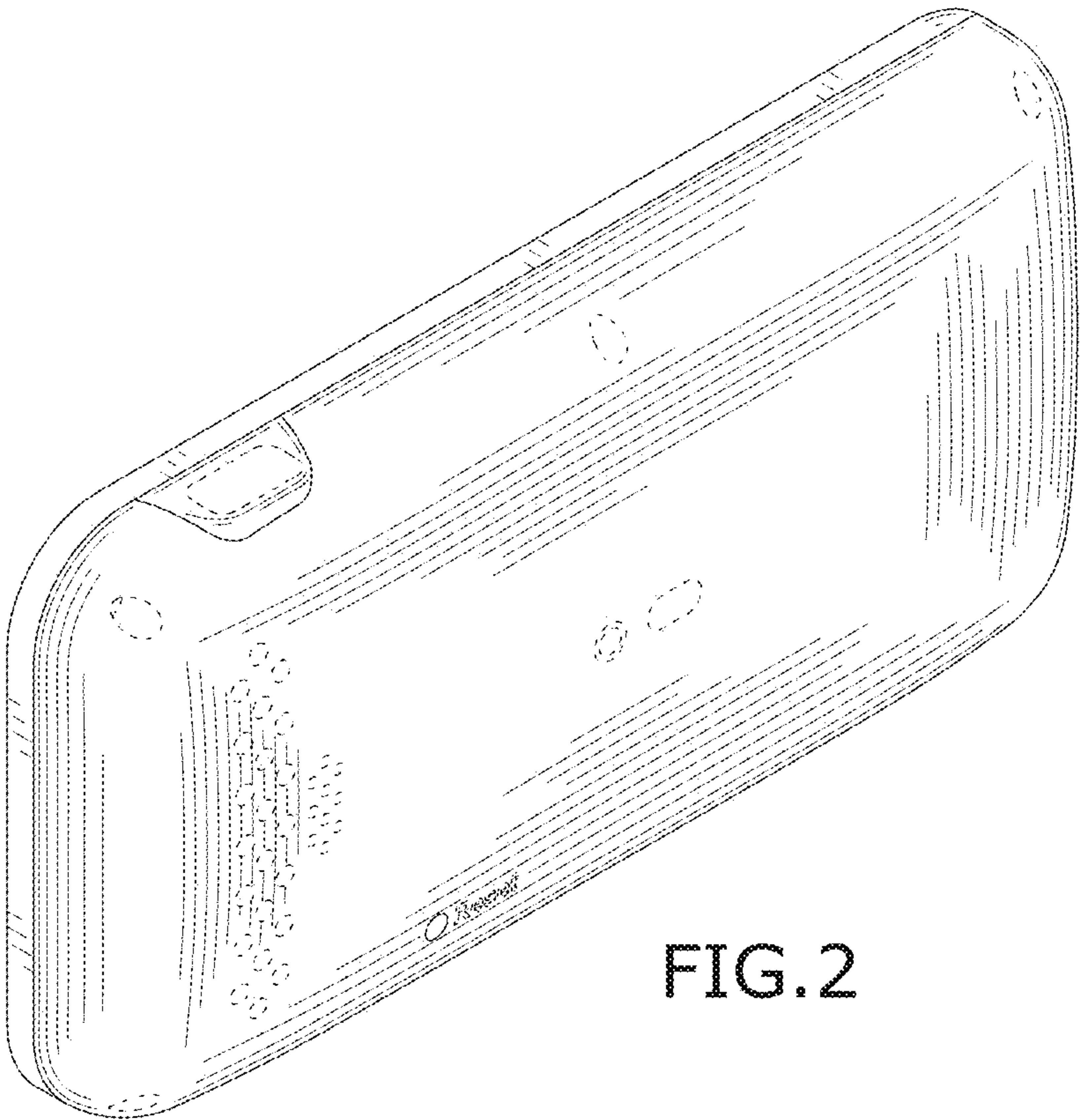


FIG.2

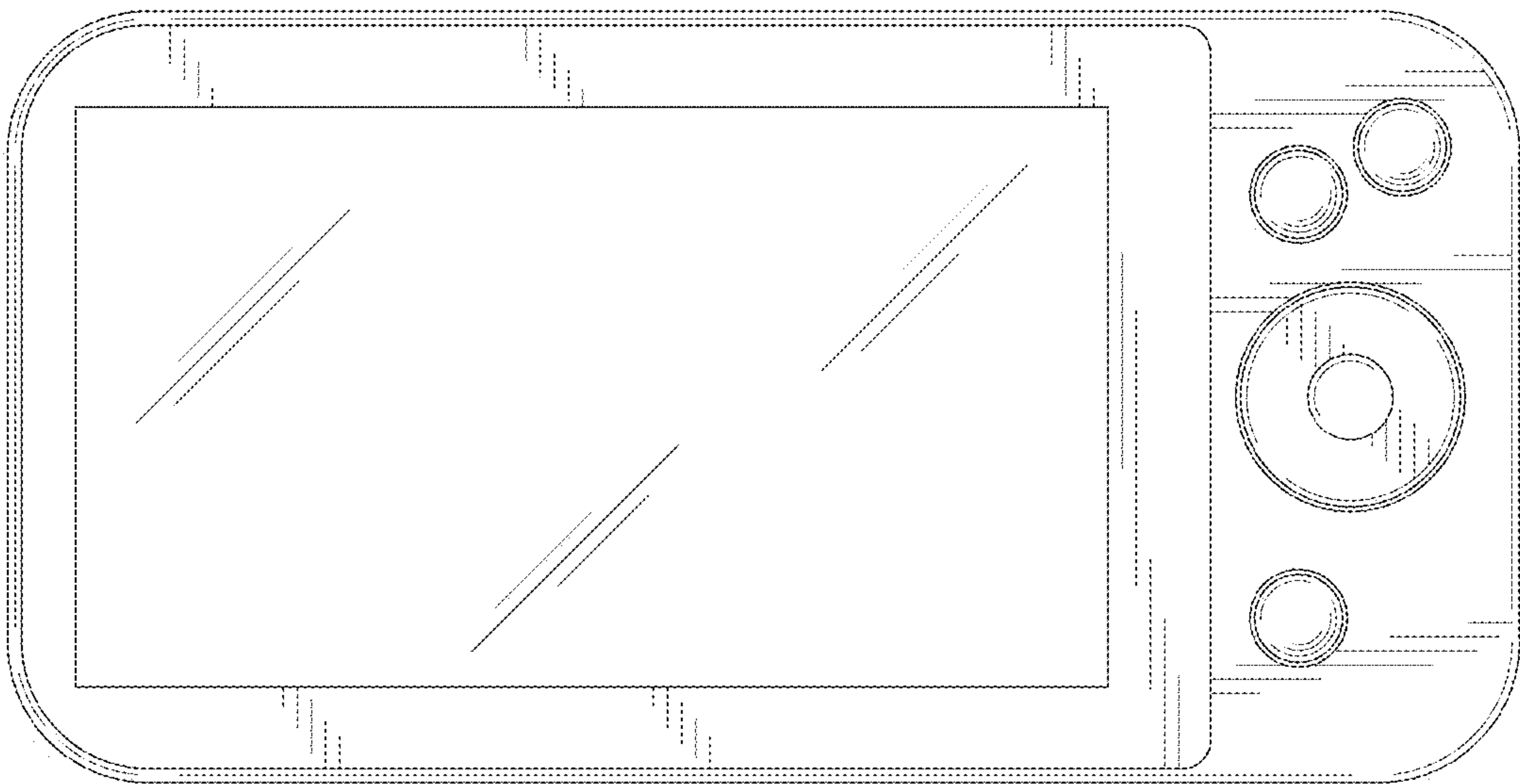


FIG.3

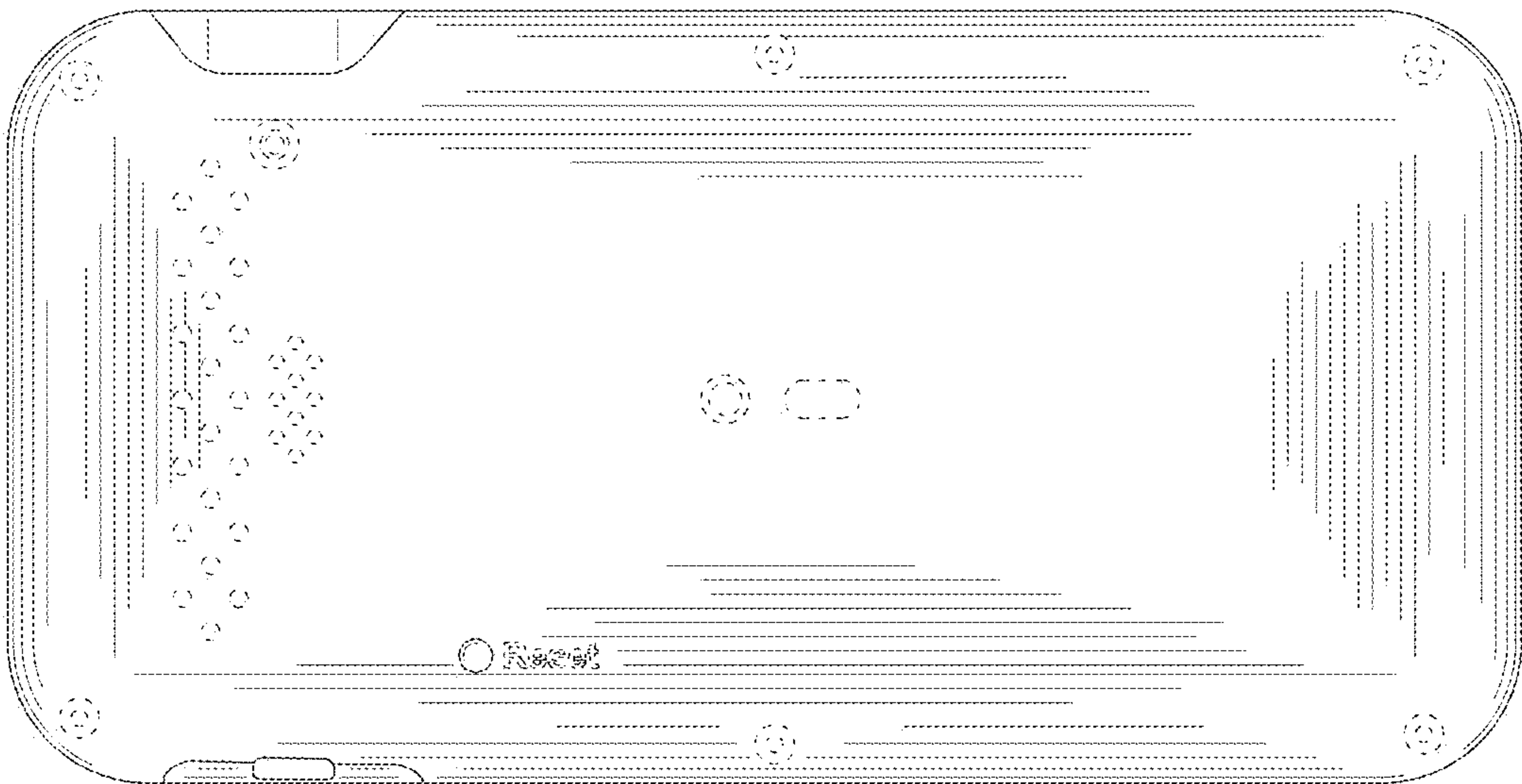


FIG.4

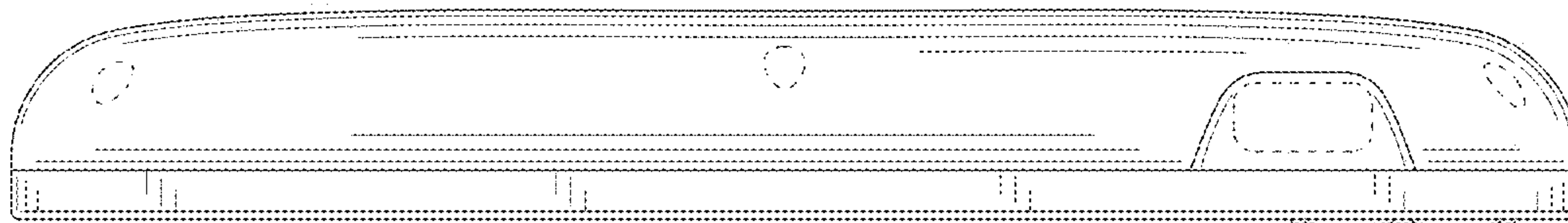


FIG. 5

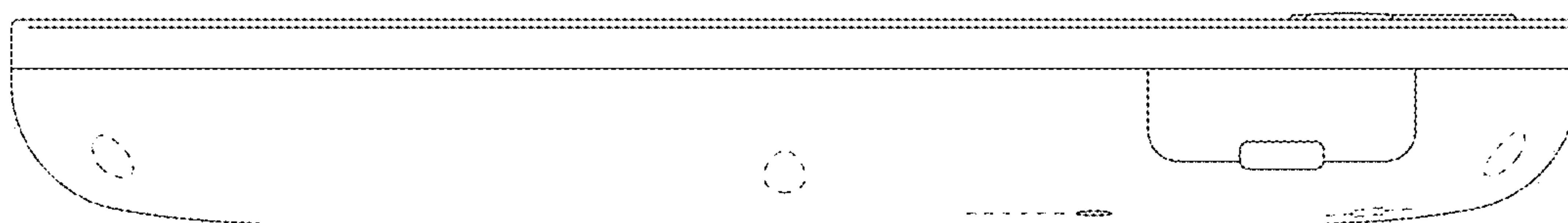


FIG. 6

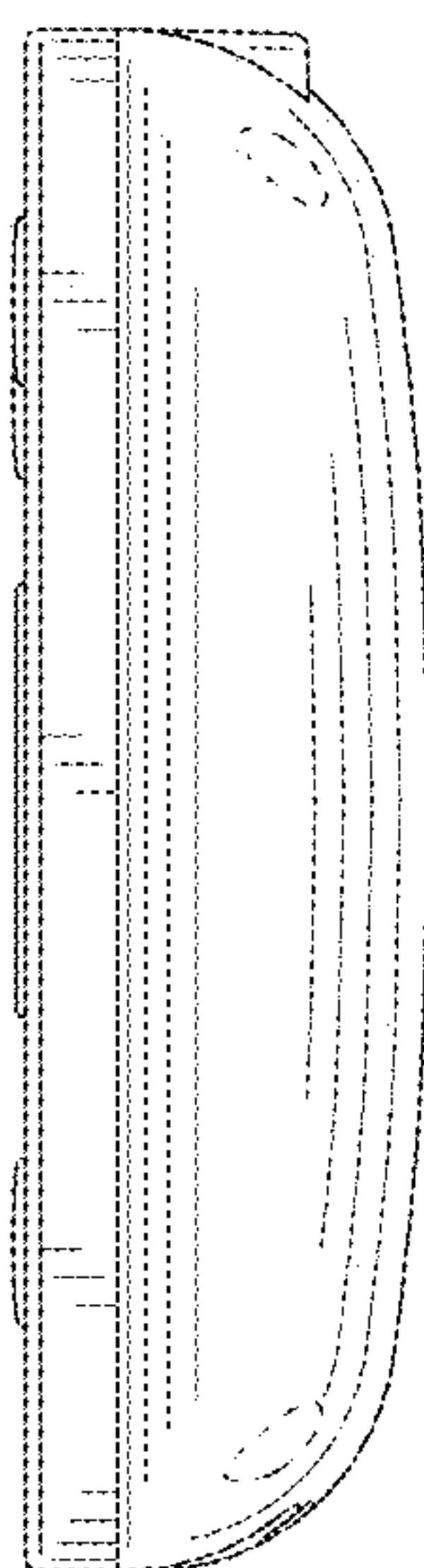


FIG. 7

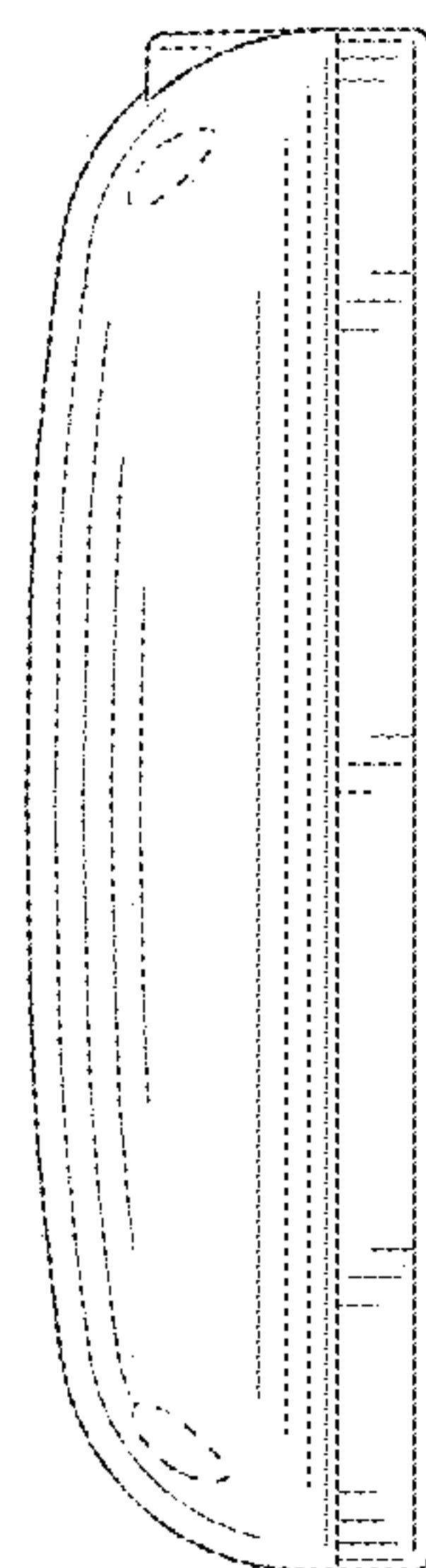


FIG. 8