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

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(54) **FLUID CARTRIDGE**

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

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Related U.S. Application Data

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(51) **LOC (10) Cl.** **24-00**

(52) **U.S. Cl.**
USPC **D24/162**

(58) **Field of Classification Search**

USPC D24/162, 169, 117, 111, 140, 166, 177,
D24/216, 231, 232; 210/808, 232, 239;
206/223; 604/151; 362/101; 96/6
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D239,881 S * 5/1976 Morgan et al. D24/169
4,341,538 A * 7/1982 Vadnay et al. 96/6
D267,037 S * 11/1982 Spranger et al. D24/169
D282,282 S * 1/1986 Chernack D24/117
D288,478 S 2/1987 Carlson et al.
D307,324 S * 4/1990 Unger et al. D24/162
D312,695 S * 12/1990 Unger et al. D24/162
D314,435 S * 2/1991 Unger et al. D24/162

D319,504 S * 8/1991 Sone et al. D24/162
5,042,691 A 8/1991 Maldonado
D322,124 S * 12/1991 Lichte et al. D24/117
D328,789 S * 8/1992 Kopf D24/162
D336,415 S 6/1993 Estes et al.
D336,514 S * 6/1993 Valerio et al. D24/111
D390,661 S 2/1998 Foggia
D404,140 S 1/1999 Meguro
D445,509 S 7/2001 Berndt et al.
D447,569 S 9/2001 Bailly et al.
D451,602 S * 12/2001 Juhlin et al. D24/162

(Continued)

OTHER PUBLICATIONS

Office Action issued in related U.S. Appl. No. 29/437,044, dated May 21, 2014.

(Continued)

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(57)

CLAIM

We claim the ornamental design for a fluid cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, right perspective view of an embodiment of the claimed design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a top plan view thereof;

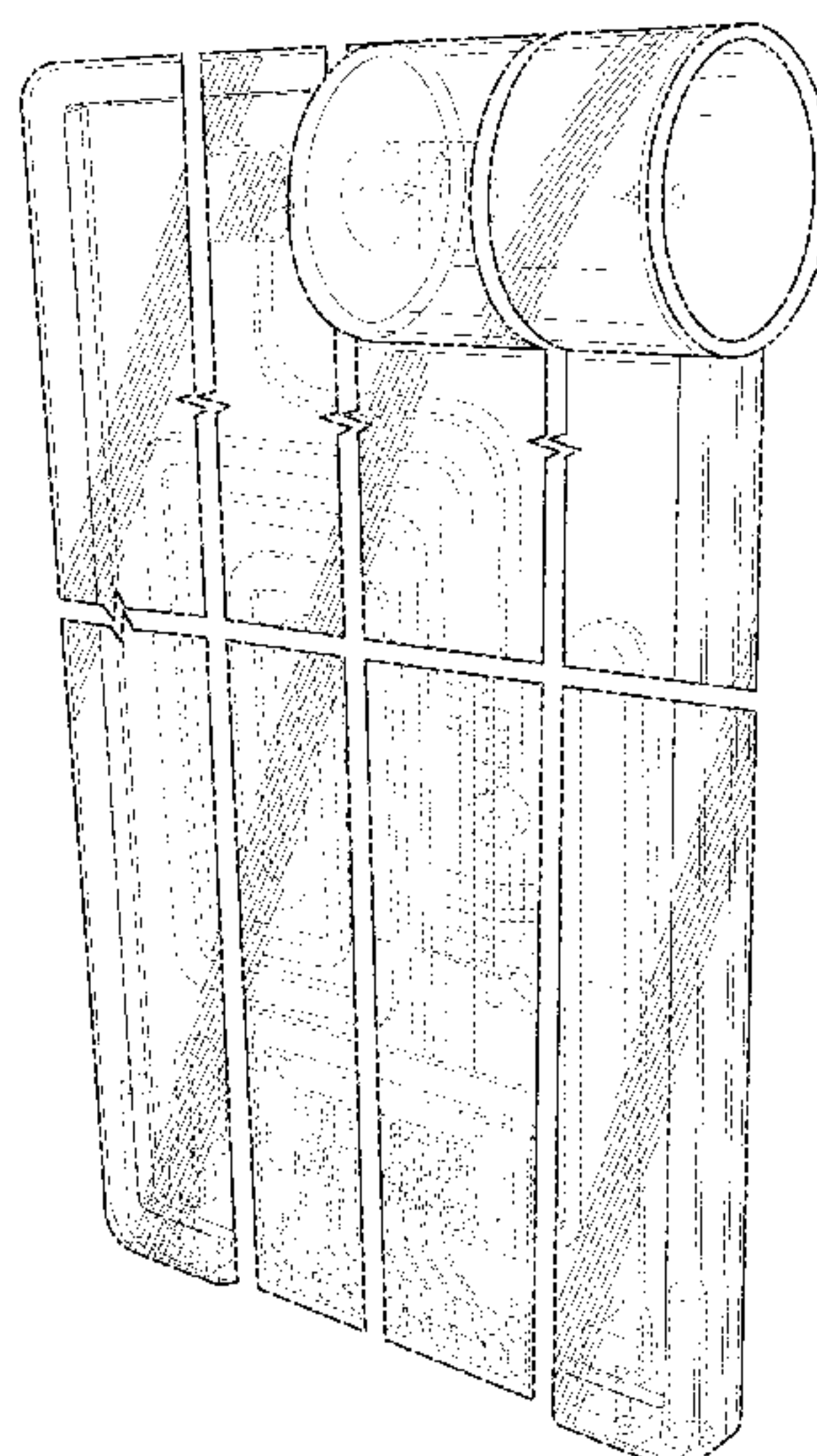
FIG. 5 is a bottom plan view thereof;

FIG. 6 is a right elevation view thereof; and,

FIG. 7 is a left elevation view thereof.

The fluid cartridge is shown with a break in its width and length. The appearance of any portion of the article between the break lines forms no part of the claimed design. The broken lines in the drawings represent unclaimed environmental structure and form no part of the claim.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D467,349 S 12/2002 Niedbala et al.
 D475,787 S * 6/2003 Zia et al. D24/162
 D489,816 S 5/2004 Ross
 D516,221 S 2/2006 Wohlstadter et al.
 D597,216 S 7/2009 McGuigan et al.
 D623,300 S * 9/2010 Zimmerman et al. D24/162
 D634,442 S 3/2011 Tajima et al.
 D638,545 S 5/2011 Okawa et al.
 D647,209 S 10/2011 Muller et al.
 D657,067 S 4/2012 Shibata
 D665,917 S 8/2012 TerMaat et al.
 D675,335 S 1/2013 Feuerabend et al.
 D681,231 S 4/2013 Steinhauer et al.
 D694,422 S 11/2013 Cook et al.
 D705,943 S 5/2014 Chang et al.
 D706,930 S * 6/2014 Lin et al. D24/162
 8,741,234 B2 6/2014 Wang et al.
 8,741,235 B2 6/2014 Janisch et al.
 D708,749 S * 7/2014 Appling et al. D24/162
 2003/0057108 A1 3/2003 Sridharan
 2003/0073089 A1 4/2003 Mauze et al.
 2005/0148091 A1 7/2005 Kitaguchi et al.
 2006/0127275 A1 6/2006 Holl et al.
 2007/0059204 A1 3/2007 Witty et al.
 2007/0172388 A1 7/2007 Padmanabhan et al.
 2008/0153096 A1 6/2008 Witty et al.
 2009/0065368 A1 3/2009 Davis et al.
 2010/0273248 A1 10/2010 Ha et al.
 2010/0328405 A1 12/2010 Ness et al.
 2011/0086378 A1 4/2011 Shany et al.
 2011/0198241 A1 8/2011 Murakami
 2011/0229373 A1 9/2011 Asakura
 2011/0287447 A1 11/2011 Norderhaug et al.
 2012/0179101 A1 7/2012 Briones et al.
 2012/0193376 A1 8/2012 Evans et al.

2012/0218740 A1 8/2012 Estes et al.
 2013/0140177 A1 6/2013 Lin et al.
 2013/0140179 A1 6/2013 Lin et al.
 2013/0142709 A1 6/2013 Lin et al.

OTHER PUBLICATIONS

Notice of Allowance issued in related U.S. Appl. No. 29/437,043, dated Jul. 2, 2014.

International Preliminary Report on Patentability issued in related International Patent Application No. PCT/US2012/068299, dated Jun. 10, 2014.

Office Action issued in related U.S. Appl. No. 29/437,043, dated Jan. 14, 2014.

Notice of Allowance issued in related U.S. Appl. No. 29/437,042, dated Apr. 17, 2014.

U.S. Appl. No. 29/437,043, filed Nov. 12, 2012, Lin et al.

U.S. Appl. No. 29/437,044, filed Nov. 12, 2012, Lin et al.

Search Report and Written Opinion for Int'l Appln No. PCT/US2012/068299, mailed Apr. 1, 2013.

US Office Action issued in related U.S. Appl. No. 29/437,043, mailed Jun. 5, 2013.

Notice of Allowance issued in related U.S. Appl. No. 13/707,513, dated Nov. 17, 2014.

Office Action issued in related U.S. Appl. No. 29/504,942, dated Feb. 9, 2015.

U.S. Office Action issued in related U.S. Appl. No. 13/707,517, dated Apr. 24, 2015.

Office Action issued in related U.S. Appl. No. 13/707,510, dated May 4, 2015.

Notice of Allowance issued in related Design U.S. Appl. No. 29/504,942, dated Jun. 3, 2015.

Notice of Allowance issued in related Design U.S. Appl. No. 29/503,906, dated May 13, 2015.

* cited by examiner

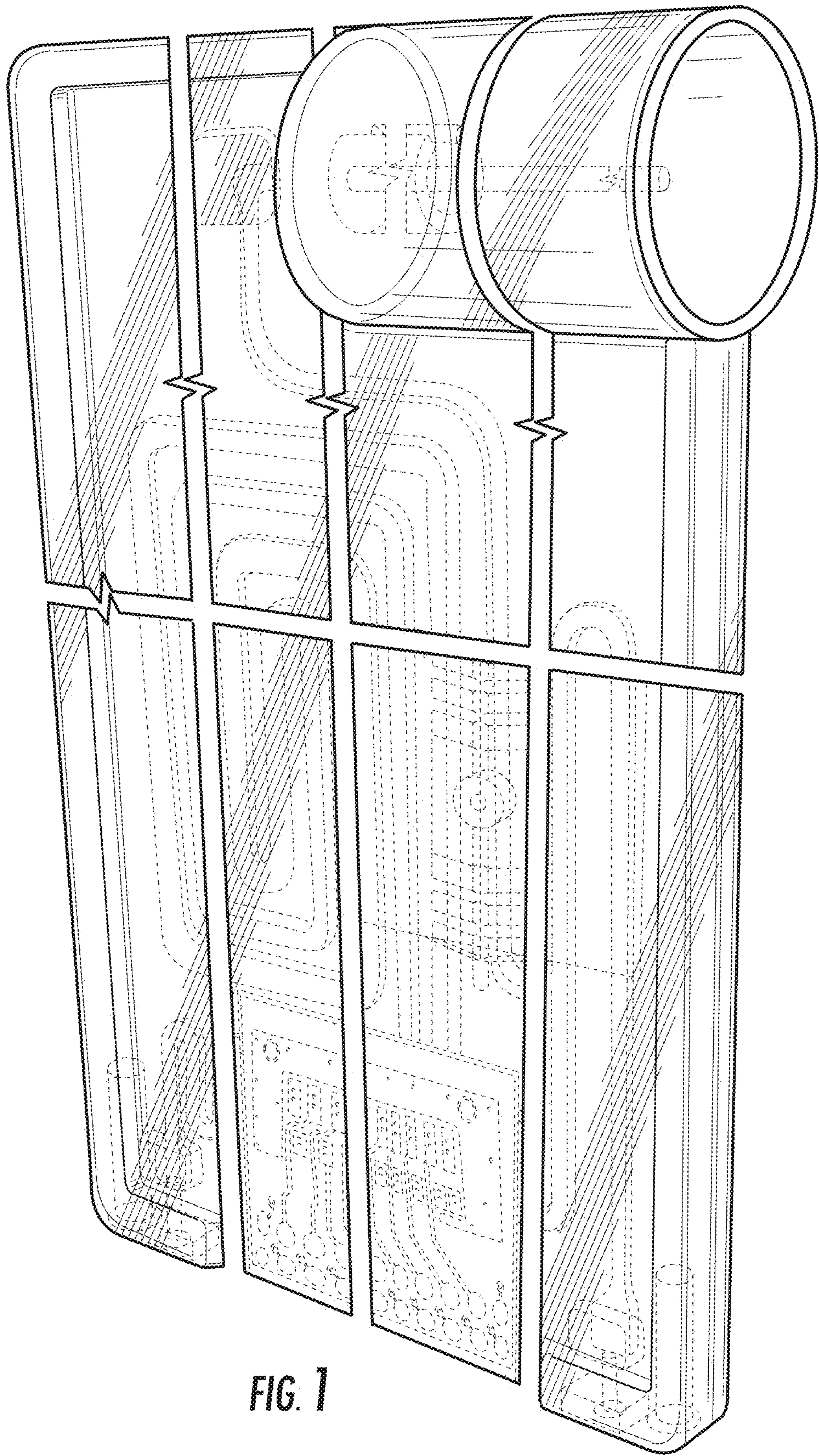


FIG. 1

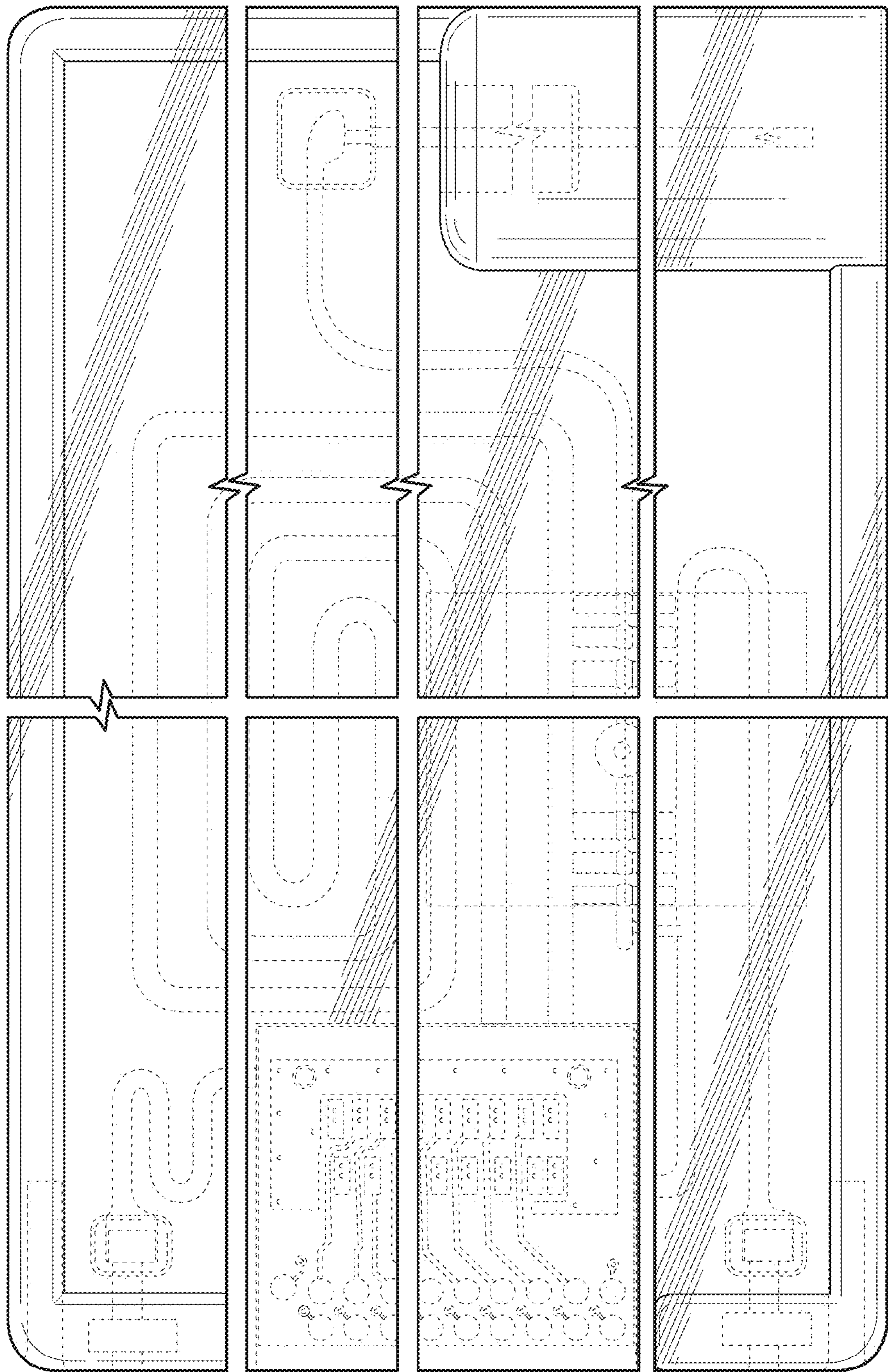


FIG. 2

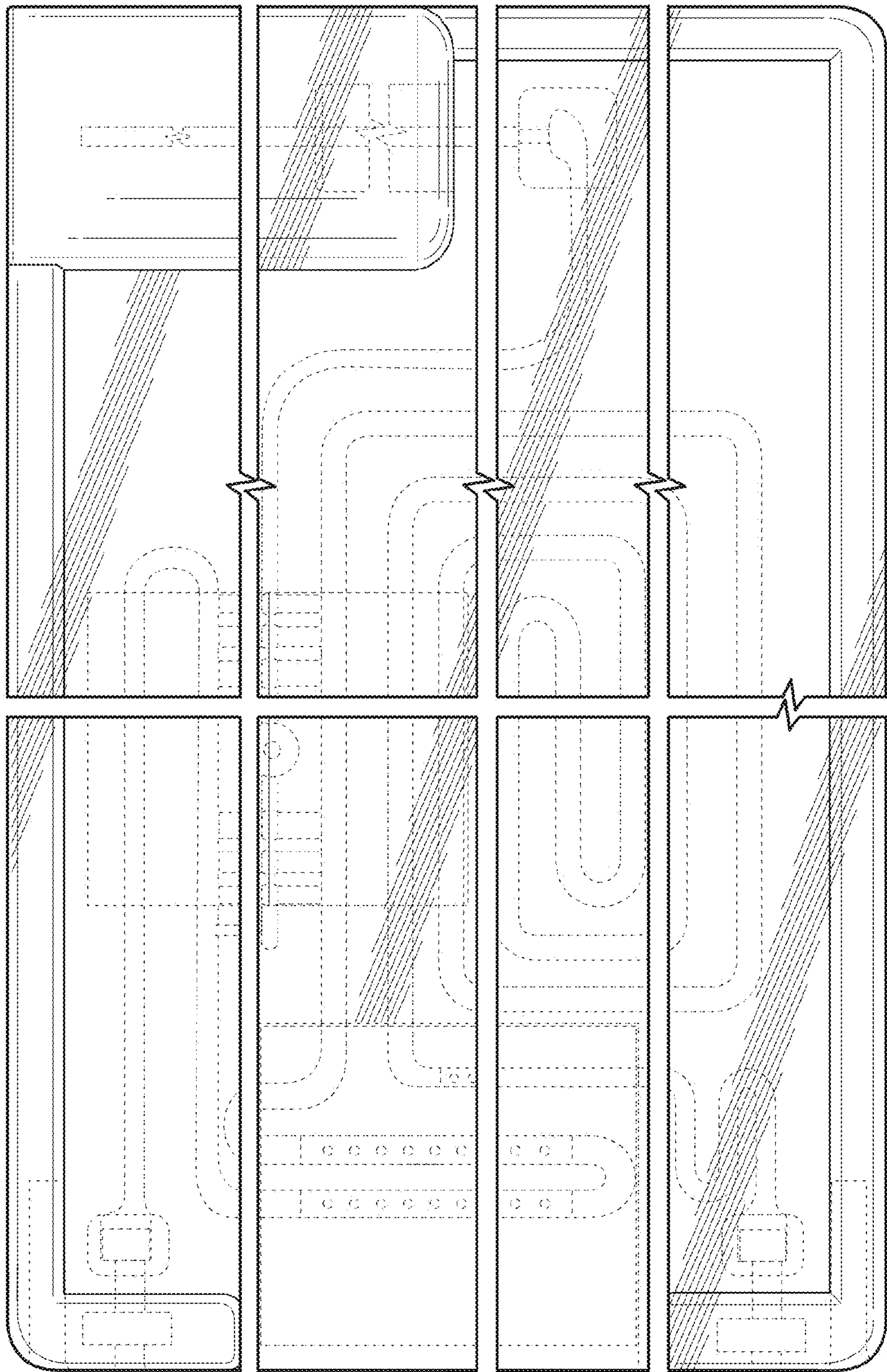


FIG. 3

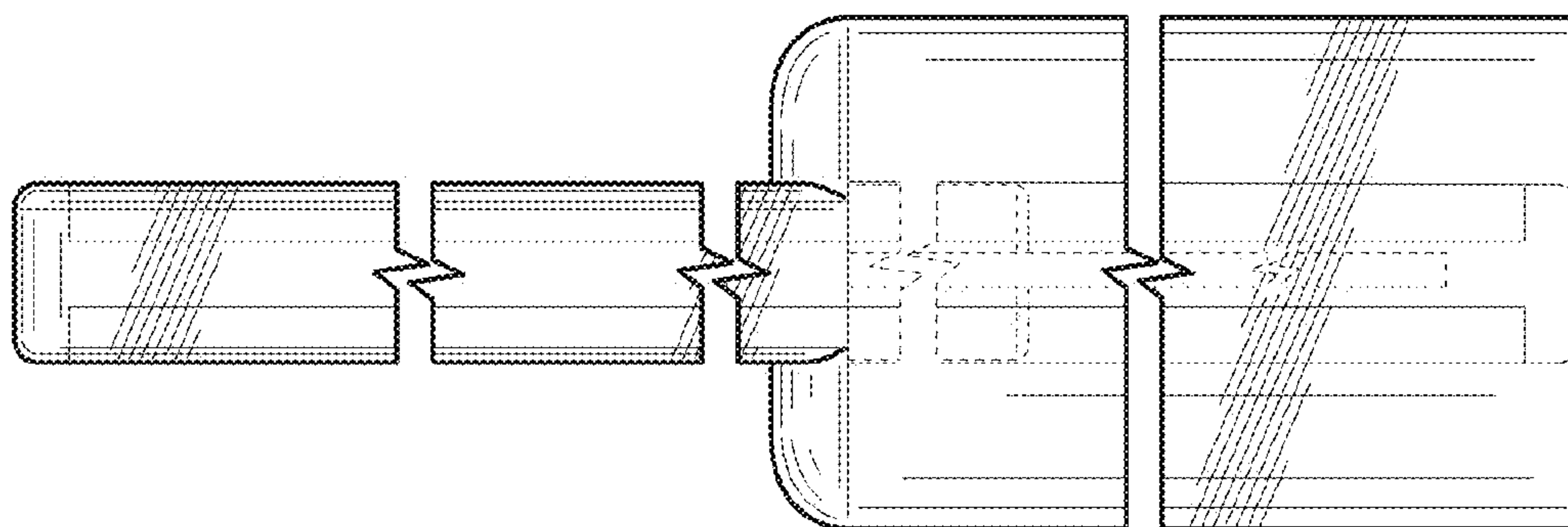


FIG. 4

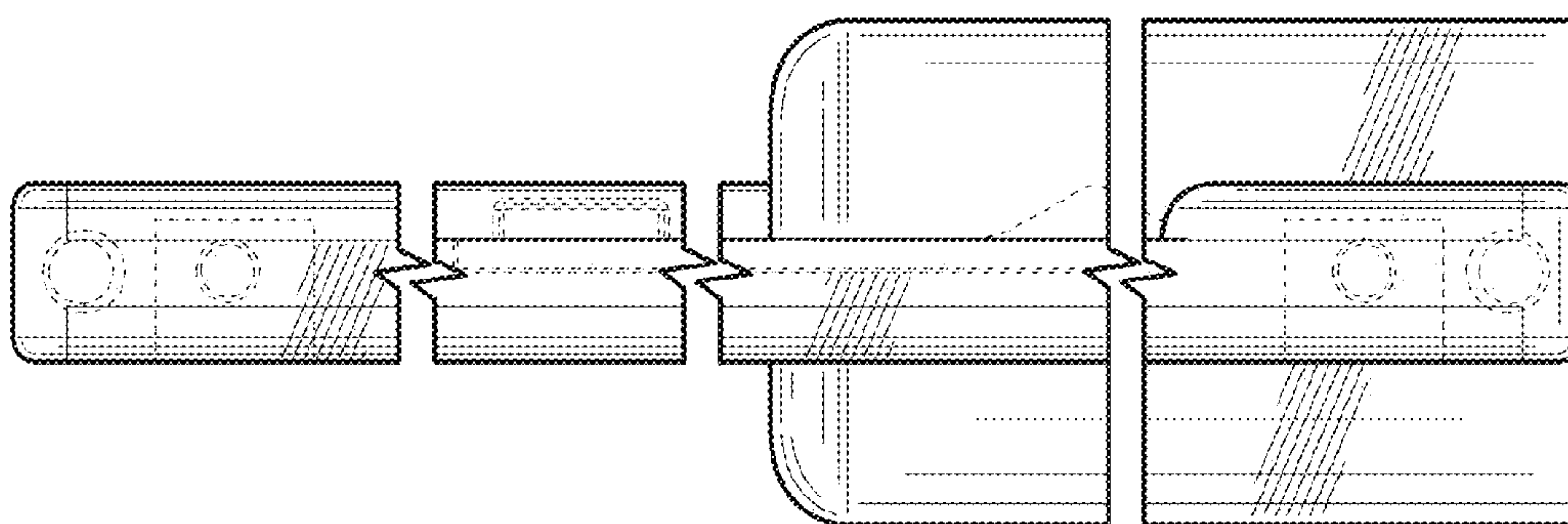


FIG. 5

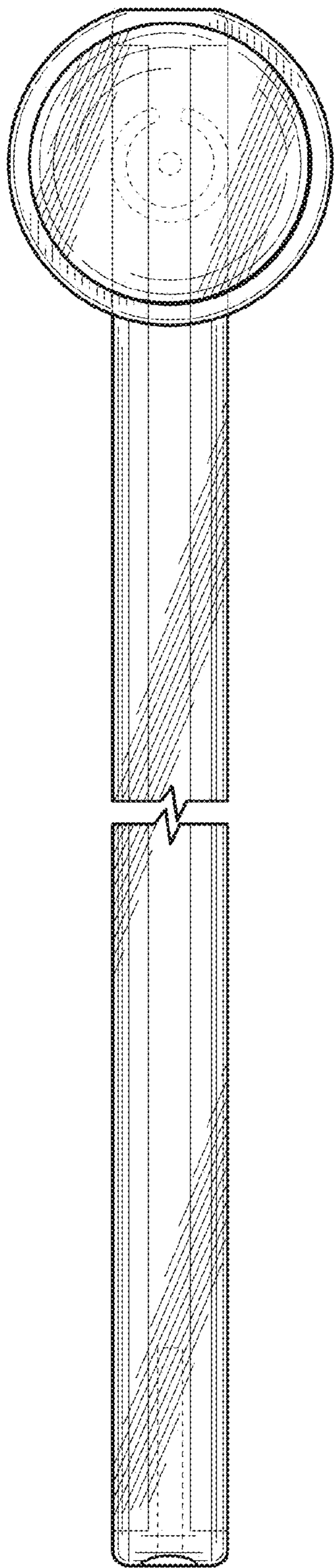


FIG. 6

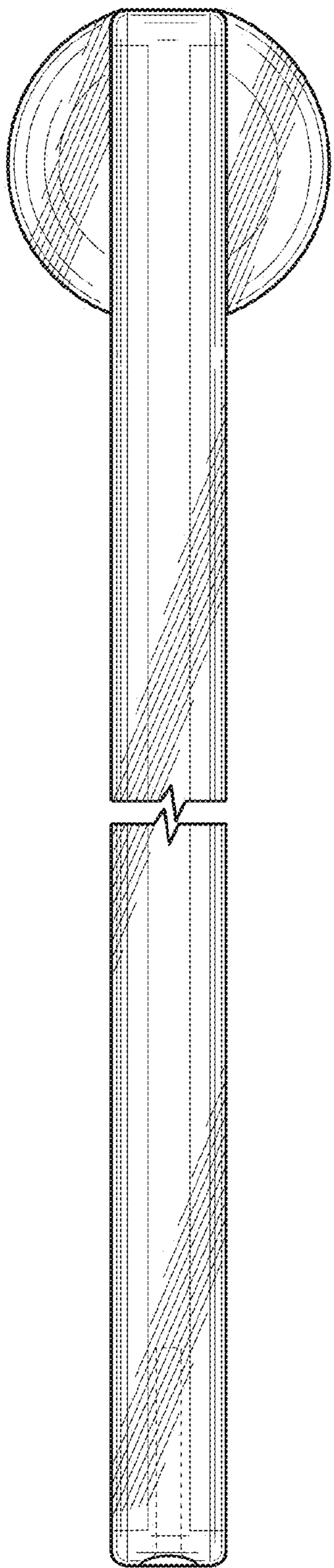


FIG. 7