

US00D836278S

(12) **United States Design Patent** (10) **Patent No.:** **US D836,278 S**
Berberet et al. (45) **Date of Patent:** **** Dec. 18, 2018**

(54) **FOOD RECYCLER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **WHIRLPOOL CORPORATION**,
Benton Harbor, MI (US)

AU 199714963 B2 9/1977
CA 2009437 C 12/2001

(Continued)

(72) Inventors: **Suzanne Berberet**, St. Joseph, MI
(US); **Michael Kahwaji**, St. Joseph, MI
(US); **Ejung Kim**, St. Joseph, MI (US);
Michael Seeley, South Haven, MI (US)

OTHER PUBLICATIONS

Hitachi Indoor Electric Composter at <http://ptsrainbowtalkstory.blogspot.com/2008/06/electric-composter-made-in-japan.html>, Jun. 9, 2008.

(Continued)

(73) Assignee: **Whirlpool Corporation**, Benton
Harbor, MI (US)

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

Primary Examiner — Cynthia Ramirez

(21) Appl. No.: **29/591,677**

(22) Filed: **Jan. 23, 2017**

(57) **CLAIM**

Related U.S. Application Data

The ornamental design for a food recycler, as shown and described.

(63) Continuation of application No. 15/220,490, filed on Jul. 27, 2016, now Pat. No. 9,895,726, and a continuation of application No. 15/220,510, filed on Jul. 27, 2016, and a continuation of application No. 15/172,200, filed on Jun. 3, 2016, and a continuation of application No. 15/158,660, filed on May 19, 2016, and a continuation of application No. 15/158,958,

(Continued)

DESCRIPTION

(51) **LOC (11) Cl.** **09-09**

(52) **U.S. Cl.**
USPC **D34/7**

(58) **Field of Classification Search**
USPC D34/1, 7, 9, 10, 11
CPC B65F 1/163; B65F 1/08; B65F 1/1638;
B65F 2001/1669; B65F 7/00; B08B 9/08;
B08B 7/0092; C05F 17/0276
See application file for complete search history.

FIG. 1 is a top perspective view of a food recycler according to an embodiment of the invention;
FIG. 2 is a top view of the food recycler of FIG. 1;
FIG. 3 is a front view of the food recycler of FIG. 1;
FIG. 4 is a right side view of the food recycler of FIG. 1;
FIG. 5 is a top perspective view of an alternative food recycler according to an embodiment of the invention;
FIG. 6 is a top view of the food recycler of FIG. 5;
FIG. 7 is a front view of the food recycler of FIG. 5;
FIG. 8 is a rear view of the food recycler of FIG. 5;
FIG. 9 is a right side view of the food recycler of FIG. 5; and,
FIG. 10 is a left side view of the food recycler of FIG. 5.
The bottom view, rear view and left side view of the embodiment of FIGS. 1 through 4 do not form part of the claimed design.
Portions of the food recycler shown in broken lines form no part of the claimed design.

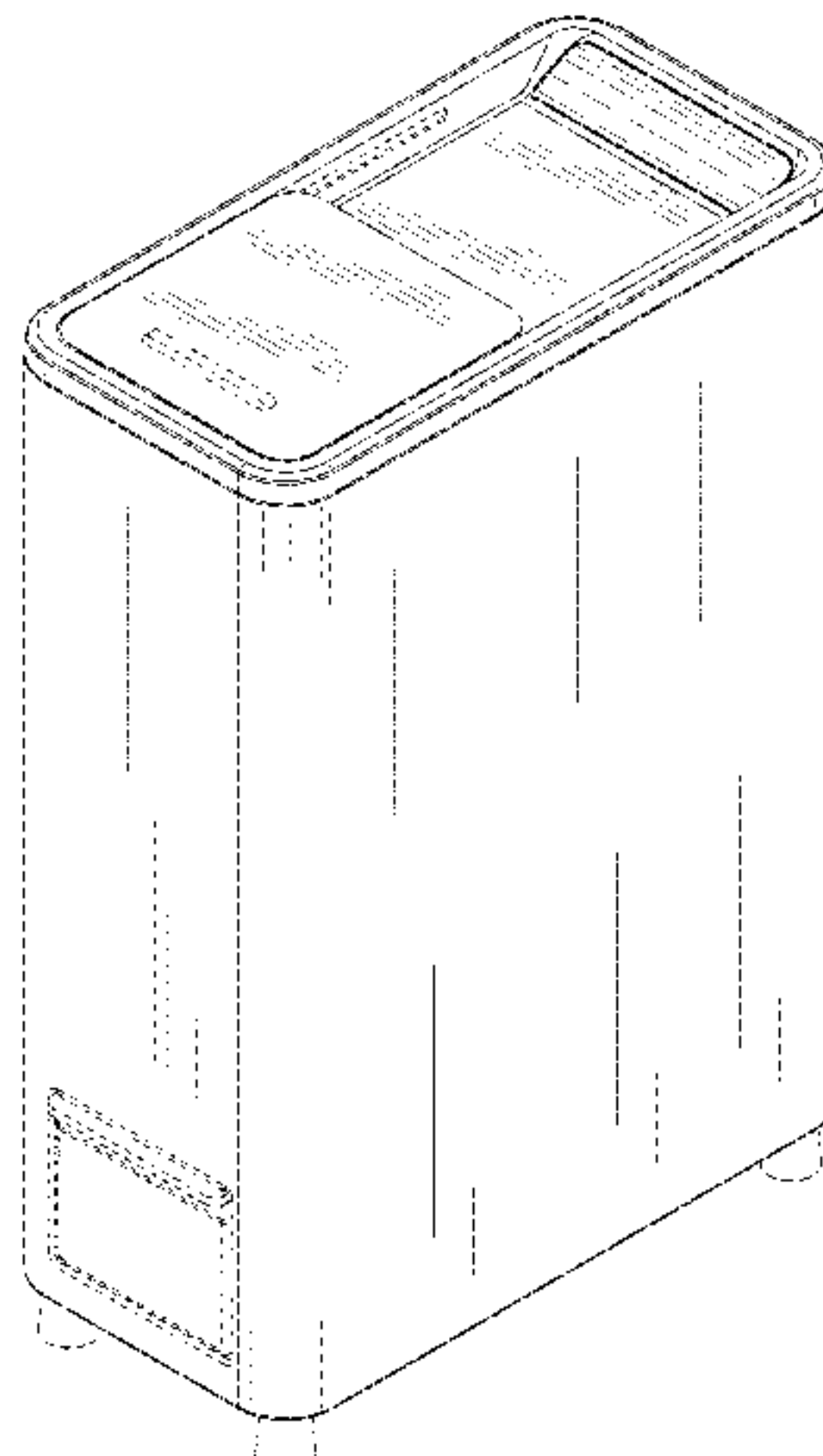
(56) **References Cited**

U.S. PATENT DOCUMENTS

3,476,522 A 11/1969 Stovall
3,797,702 A 3/1974 Robertson

(Continued)

1 Claim, 10 Drawing Sheets



Related U.S. Application Data

filed on May 19, 2016, and a continuation of application No. 15/065,004, filed on Mar. 9, 2016, and a continuation of application No. 15/064,969, filed on Mar. 9, 2016, now Pat. No. 10,000,429.

2013/0089918 A1 4/2013 Atkinson
 2013/0206020 A1 8/2013 Iacobucci
 2015/0031123 A1 1/2015 Delgado et al.
 2016/0178278 A1 6/2016 Chang et al.
 2016/0207845 A1 7/2016 Delgado et al.
 2017/0260111 A1* 9/2017 Maghas C05F 17/027

(56)

References Cited

U.S. PATENT DOCUMENTS

D258,409 S 3/1981 Natrass
 4,374,804 A 2/1983 Easter, II
 D292,037 S 9/1987 Hanifl
 4,878,596 A 11/1989 Cawley et al.
 5,123,600 A 6/1992 Takenaka
 5,174,042 A 12/1992 Tomizawa et al.
 D355,740 S 2/1995 Kirchner
 5,534,042 A 7/1996 Tsuchida
 5,587,320 A 12/1996 Shindo et al.
 5,710,042 A 1/1998 Shindo et al.
 5,766,935 A 6/1998 Seagren
 5,775,579 A 7/1998 Kardum et al.
 5,955,161 A 9/1999 Tropsha
 6,165,566 A 12/2000 Tropsha
 6,284,528 B1 9/2001 Wright
 6,399,366 B1 6/2002 Seagren
 6,431,744 B1 8/2002 Ash et al.
 6,627,434 B1 9/2003 McNelly
 7,131,765 B2 11/2006 Backhaus
 D534,702 S * 1/2007 Wang D34/9
 7,422,022 B2 9/2008 Maunsell et al.
 D580,613 S 11/2008 Yang et al.
 7,611,891 B2 11/2009 Sundberg
 7,621,472 B2 11/2009 Manu
 D634,911 S 3/2011 Yang et al.
 8,129,177 B2 3/2012 Cohn
 D658,839 S 5/2012 Cohn
 D675,802 S * 2/2013 Yang D34/7
 D680,292 S * 4/2013 Liao D34/5
 8,561,314 B2 10/2013 Kruger
 D729,485 S 5/2015 Yang et al.
 D730,007 S 5/2015 Machen
 D739,109 S 9/2015 Becham
 D790,145 S * 6/2017 Chen D34/7
 D792,673 S * 7/2017 Lloyd D34/7
 D796,766 S * 9/2017 Chen D34/7
 D796,767 S * 9/2017 Chen D34/9
 9,895,726 B1 * 2/2018 Atkinson B08B 7/0092
 D819,915 S * 6/2018 Papari D34/7
 10,000,429 B2 * 6/2018 Maghas C05F 17/027
 2002/0190615 A1 12/2002 Lin
 2003/0062065 A1 4/2003 Lachawiec, Jr. et al.
 2005/0061044 A1 3/2005 Cruson et al.
 2005/0115595 A1 6/2005 Cerruti et al.
 2008/0115813 A1 5/2008 Cosgrove
 2009/0194532 A1 8/2009 Yang et al.
 2009/0230131 A1 * 9/2009 McDuffie B65F 1/06
 2010/0176128 A1 7/2010 Nance
 2011/0207218 A1 8/2011 Staheli et al.
 2012/0285209 A1 11/2012 Bassile
 2013/0008991 A1 4/2013 Atkinson

FOREIGN PATENT DOCUMENTS

CA 2614940 A1 6/2009
 CN 201447432 U 5/2010
 CN 204325160 U 5/2015
 CN 204355578 U 5/2015
 CN 204999819 U 1/2016
 DE 1417538 U 3/1974
 DE 2947297 A1 5/1981
 DE 4208390 A1 9/1993
 DE 19750908 A1 5/1999
 DE 19803374 A1 8/1999
 EP 0103753 A2 3/1984
 EP 0296645 A1 12/1988
 EP 0394729 A2 10/1990
 EP 1468977 A1 10/2004
 GB 2119287 A 11/1983
 GB 2252898 A 8/1992
 GB 2484409 A 4/2012
 JP 53101862 9/1978
 JP 0731835 A 2/1995
 JP 1111603 A 1/1999
 JP 11137352 A 5/1999
 JP 2009274049 A 11/2009
 KR 20090075306 A 7/2009
 KR 20100025519 A 3/2010
 KR 20110073656 A 6/2011
 WO 9429241 12/1994
 WO 0140140 A1 6/2001
 WO 2008150059 A1 12/2008
 WO 2010090537 A2 8/2010
 WO 2013163168 A1 10/2013
 WO 2014198795 A1 12/2014

OTHER PUBLICATIONS

Panasonic Kitchen Composter at <http://www.insideurbangreen.org/2009/03/kitchen-composters-.html>, Mar. 20, 2009.
 European Search Report for Counterpart EP17157258.9, dated Jul. 12, 2017.
 European Search Report for Counterpart EP17157242.3, dated Jul. 12, 2017.
 European Search Report for Counterpart EP17159966.5, dated Oct. 10, 2017.
 European Search Report for Counterpart EP17159965.7, dated Oct. 11, 2017.
 European Search Report for Counterpart EP17171619.4, dated Nov. 15, 2017.
 European Search Report for Counterpart EP17160443.2, dated Aug. 23, 2017.
 Machine Translation of Application No. IN1140/KOL/2015A, Method for the Sterilization of Foodstuffs, Especially for Spices, The Patent Office Journal, Publication Date Aug. 26, 2016, p. 1-11.

* cited by examiner

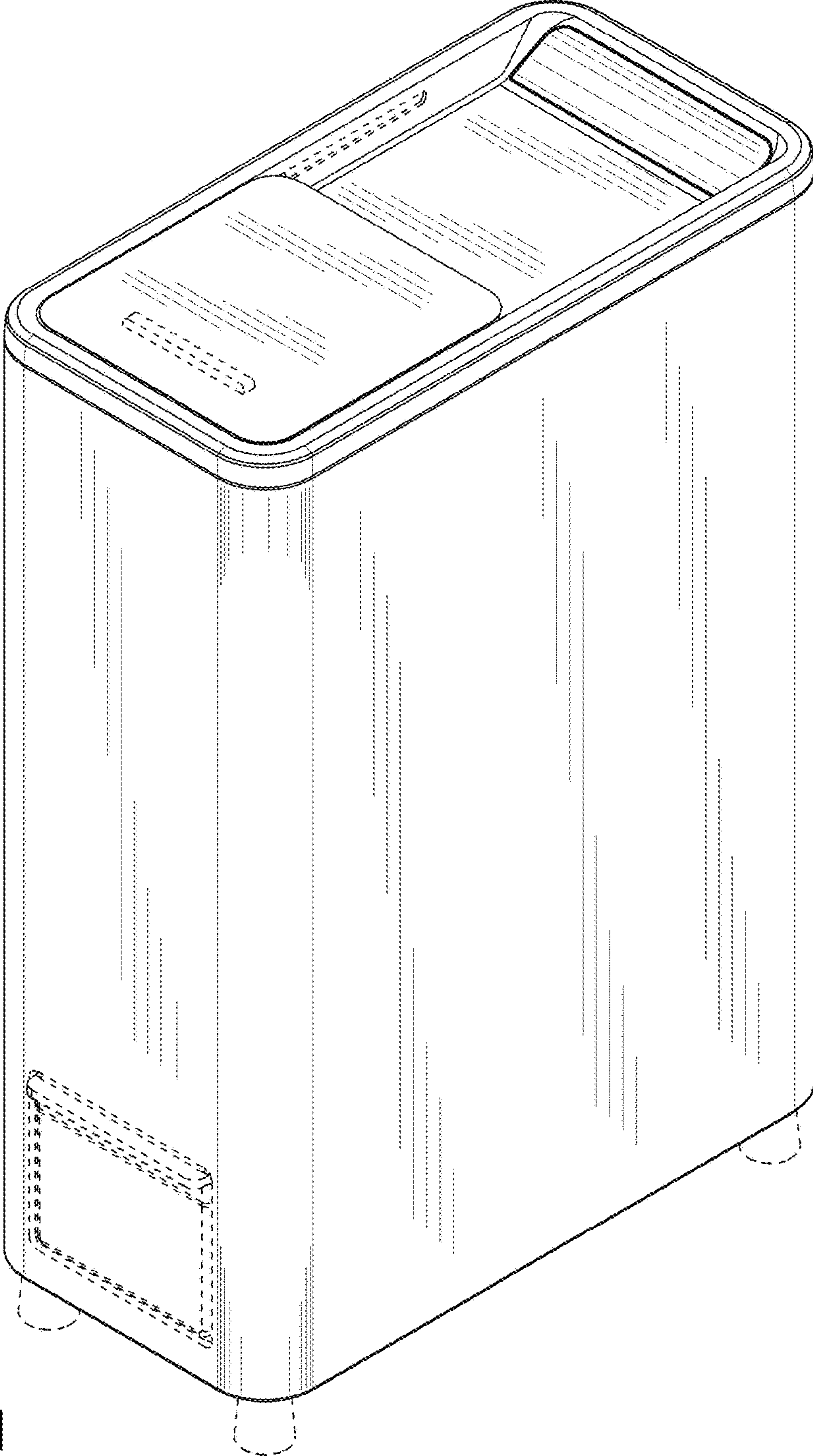


FIG. 1

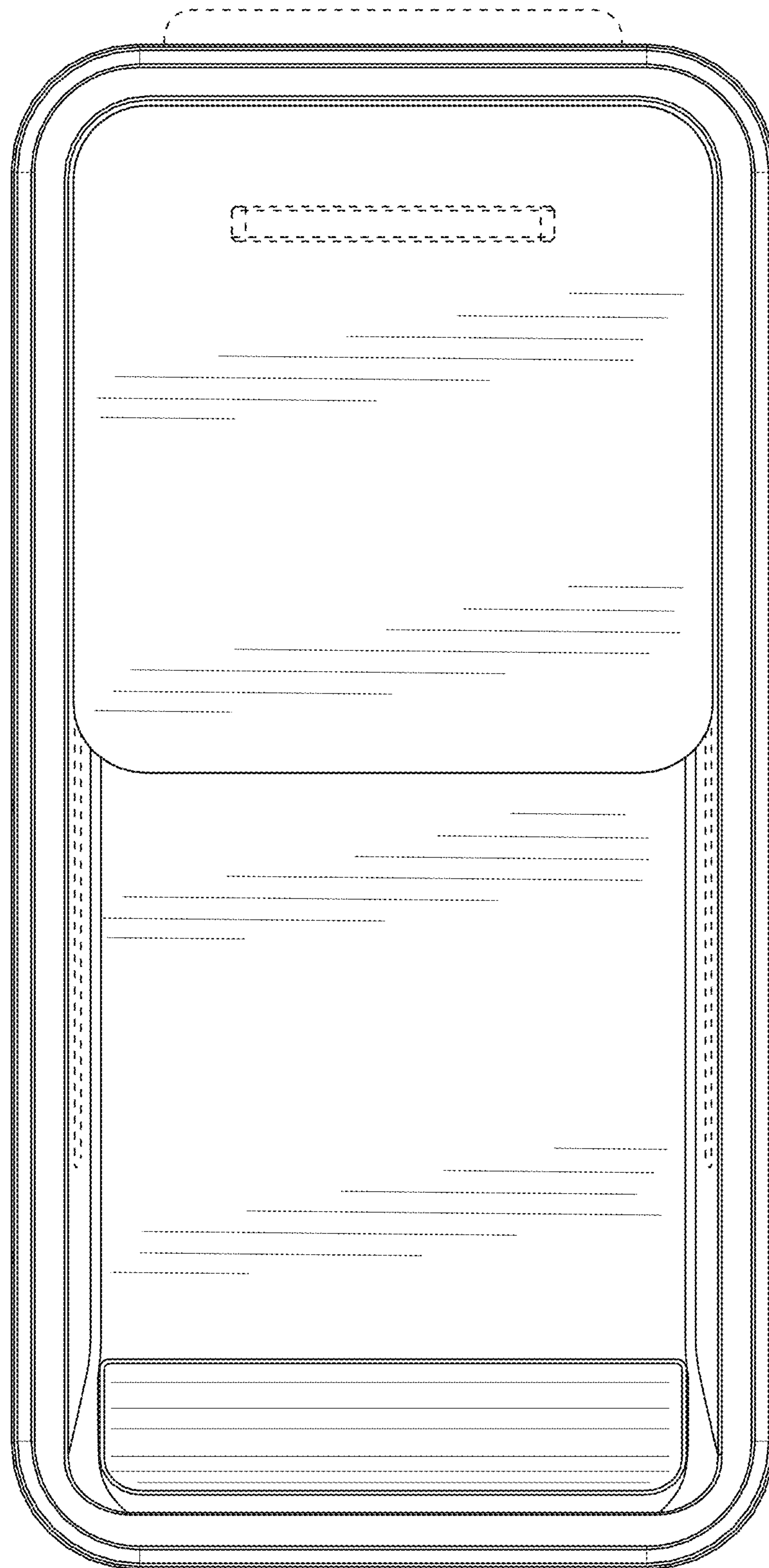


FIG. 2

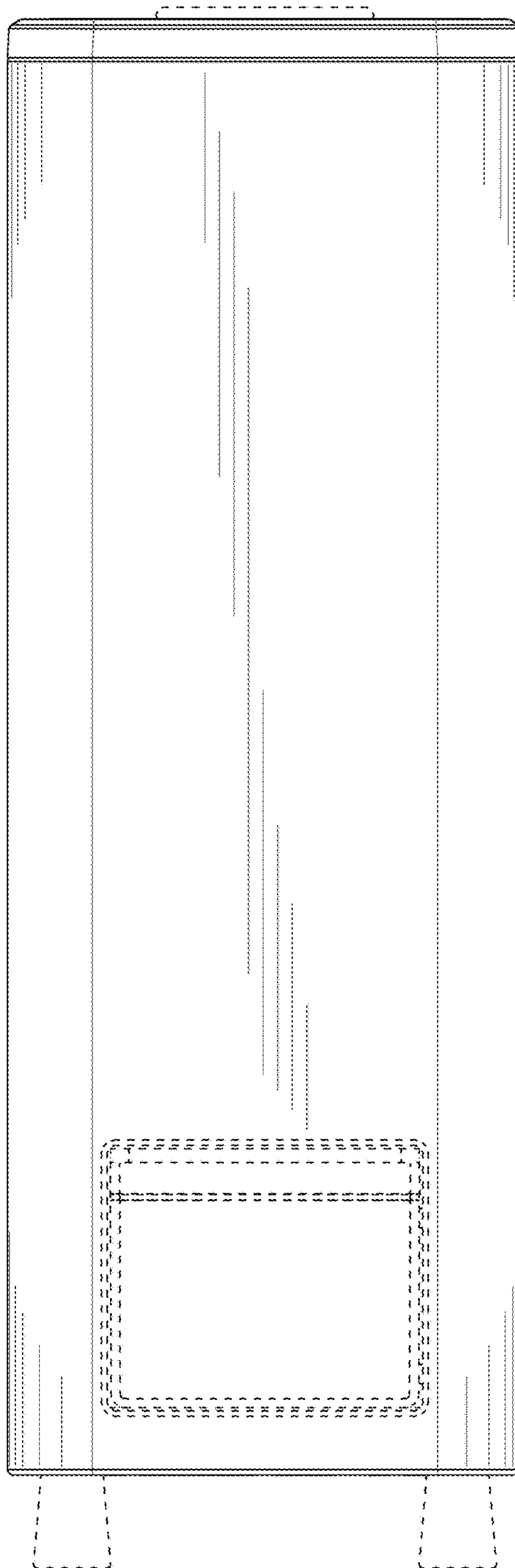


FIG. 3

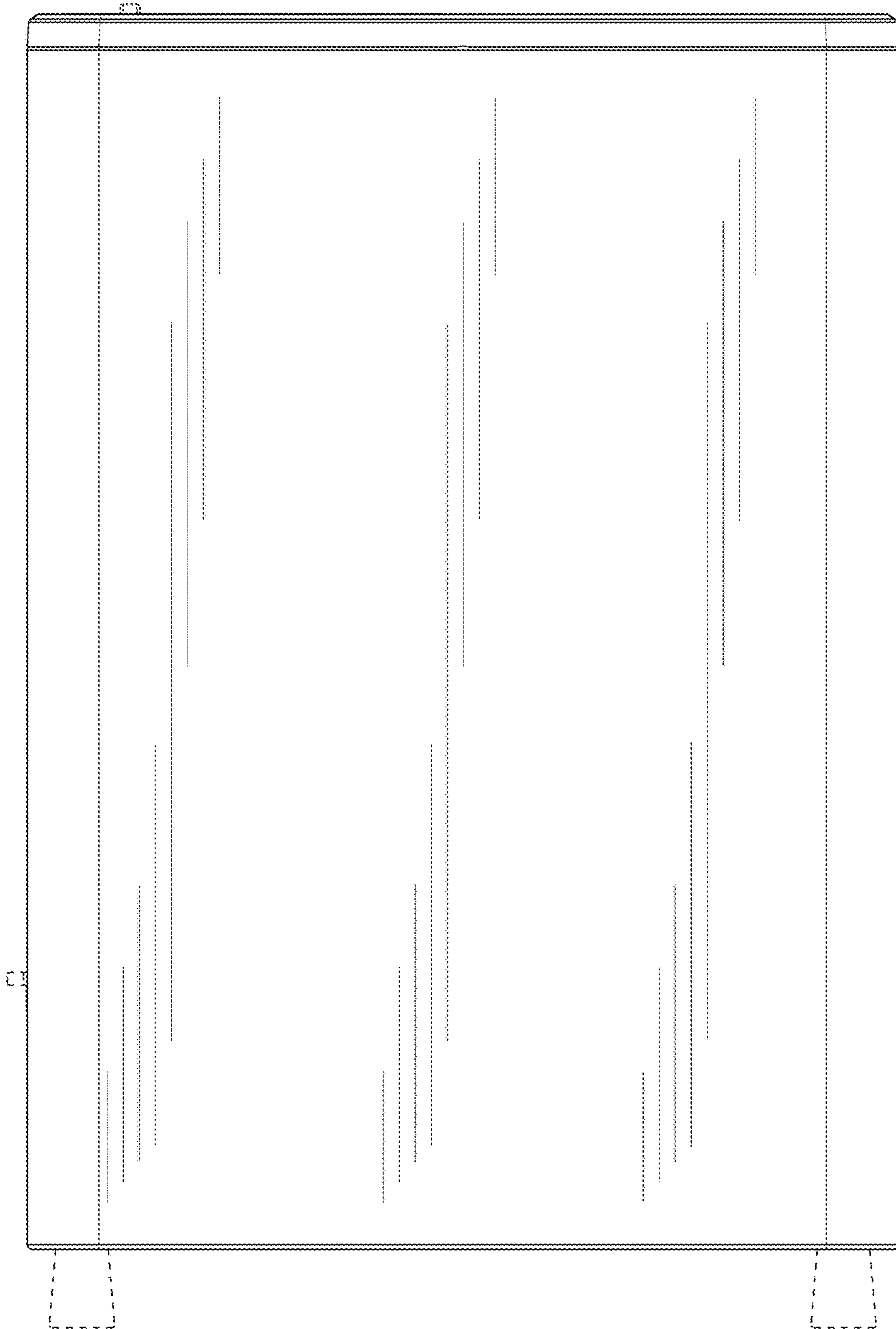


FIG. 4

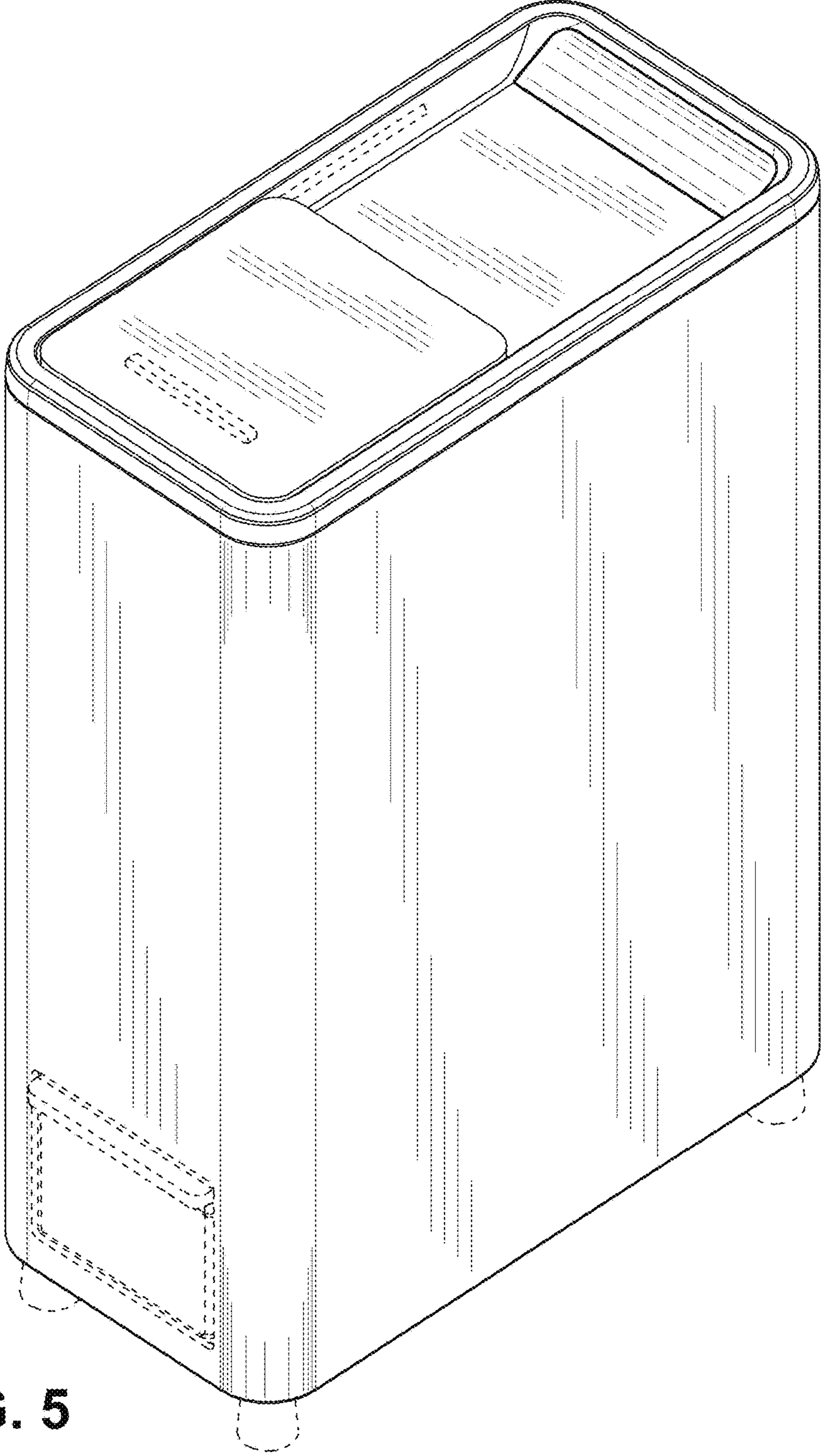


FIG. 5

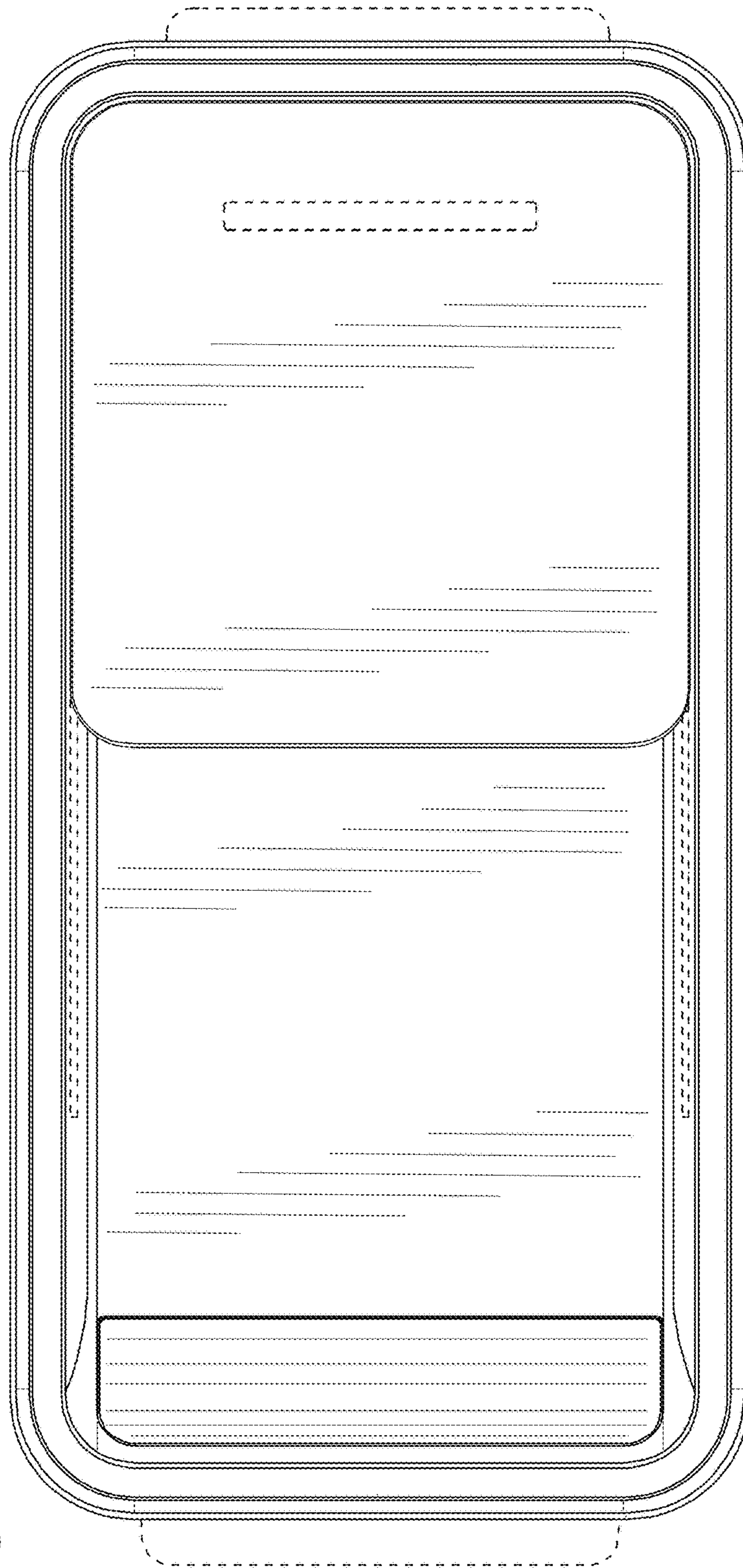


FIG. 6

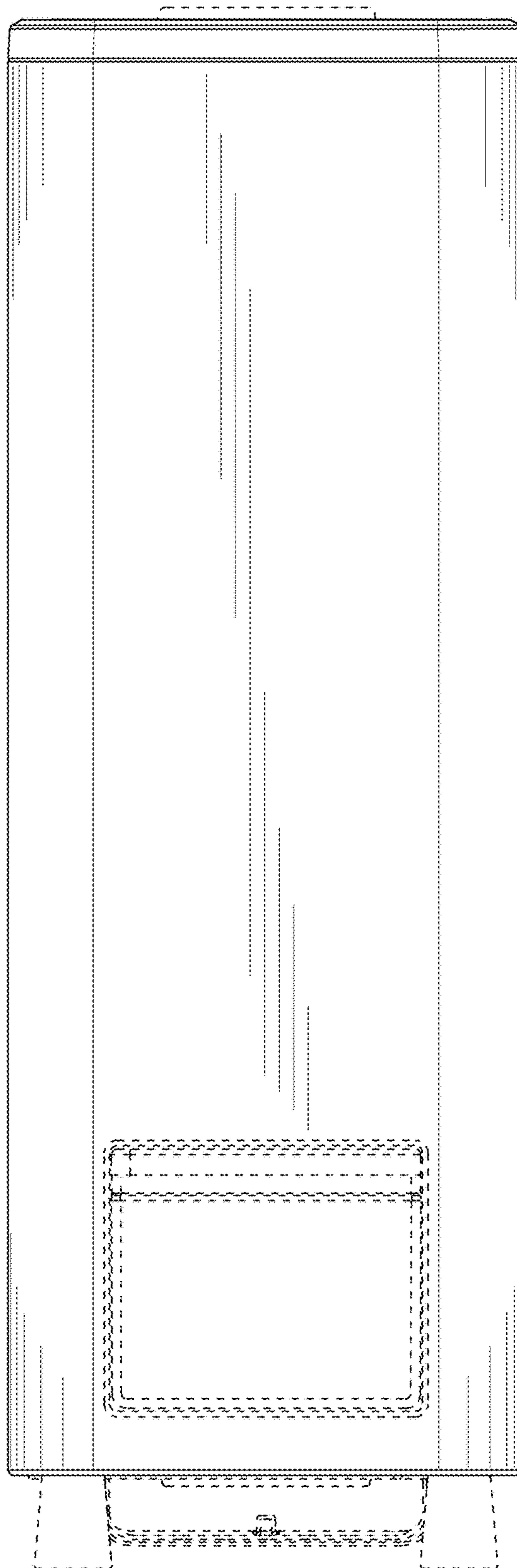


FIG. 7

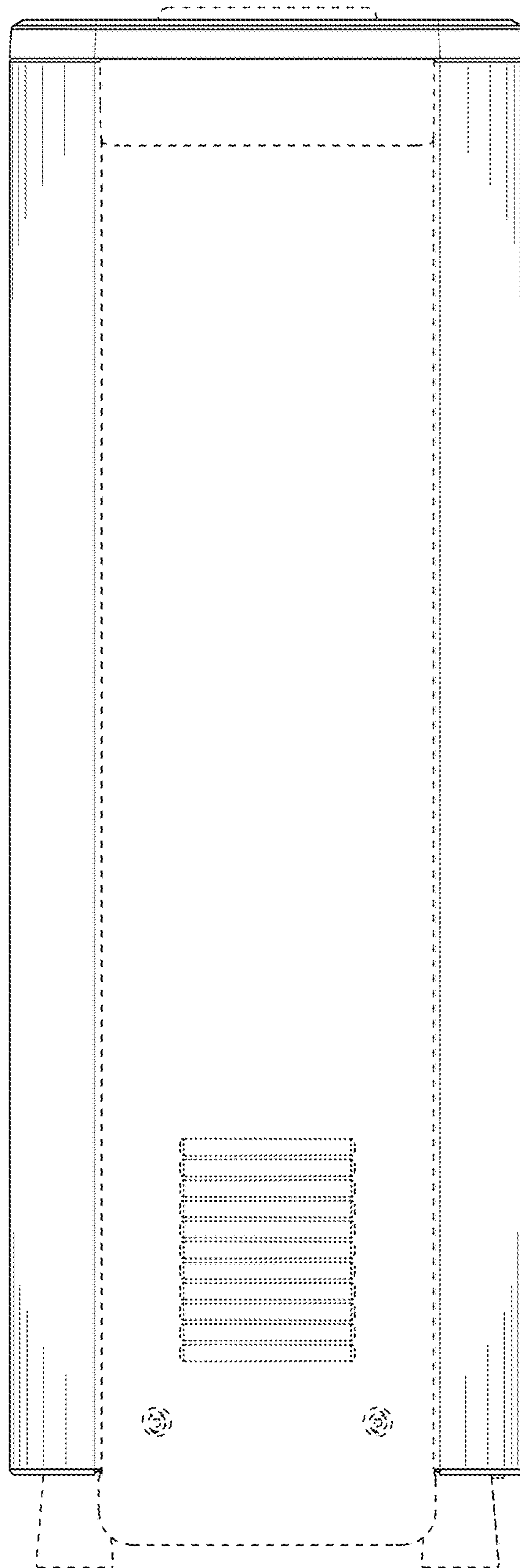


FIG. 8

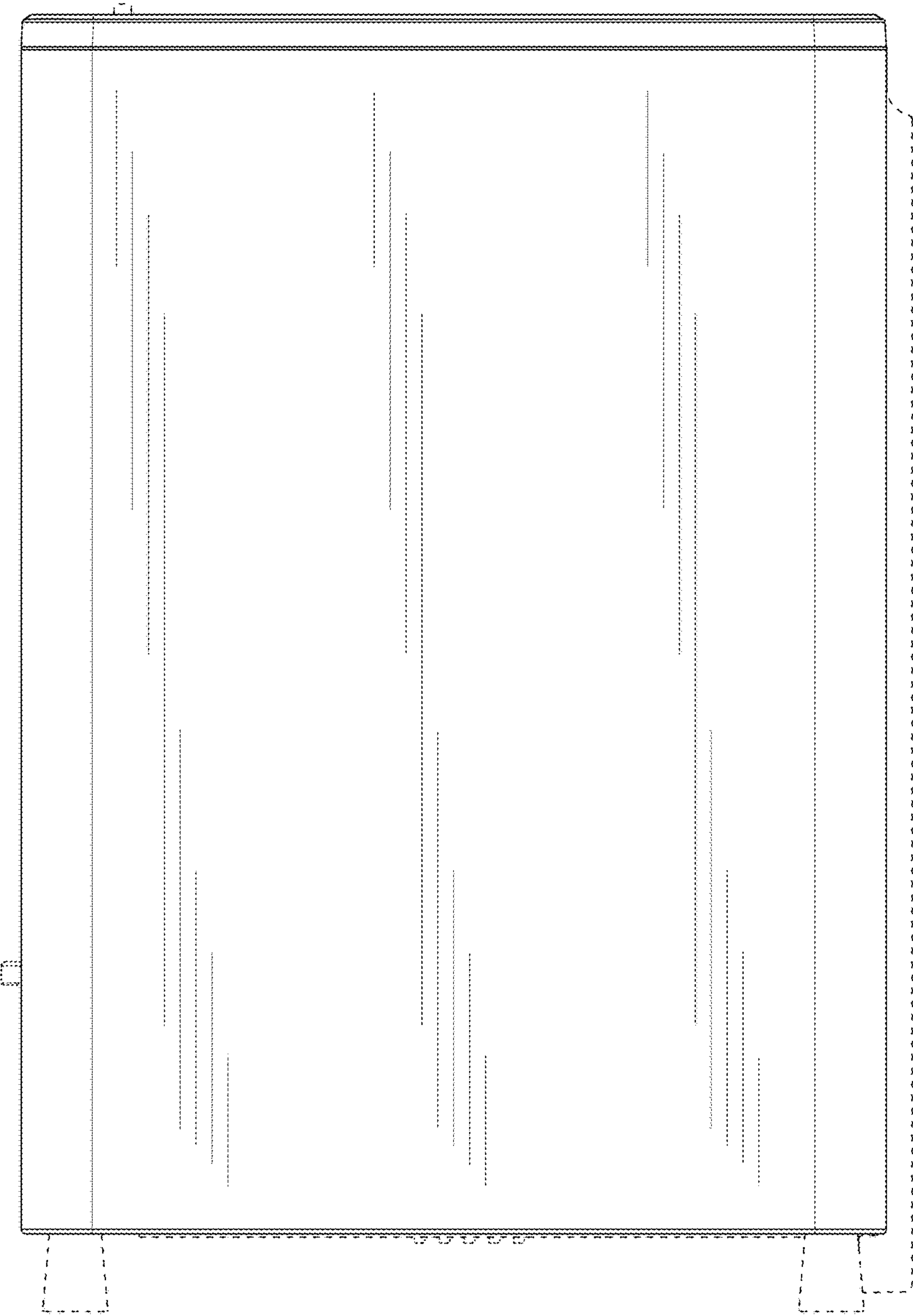


FIG. 9

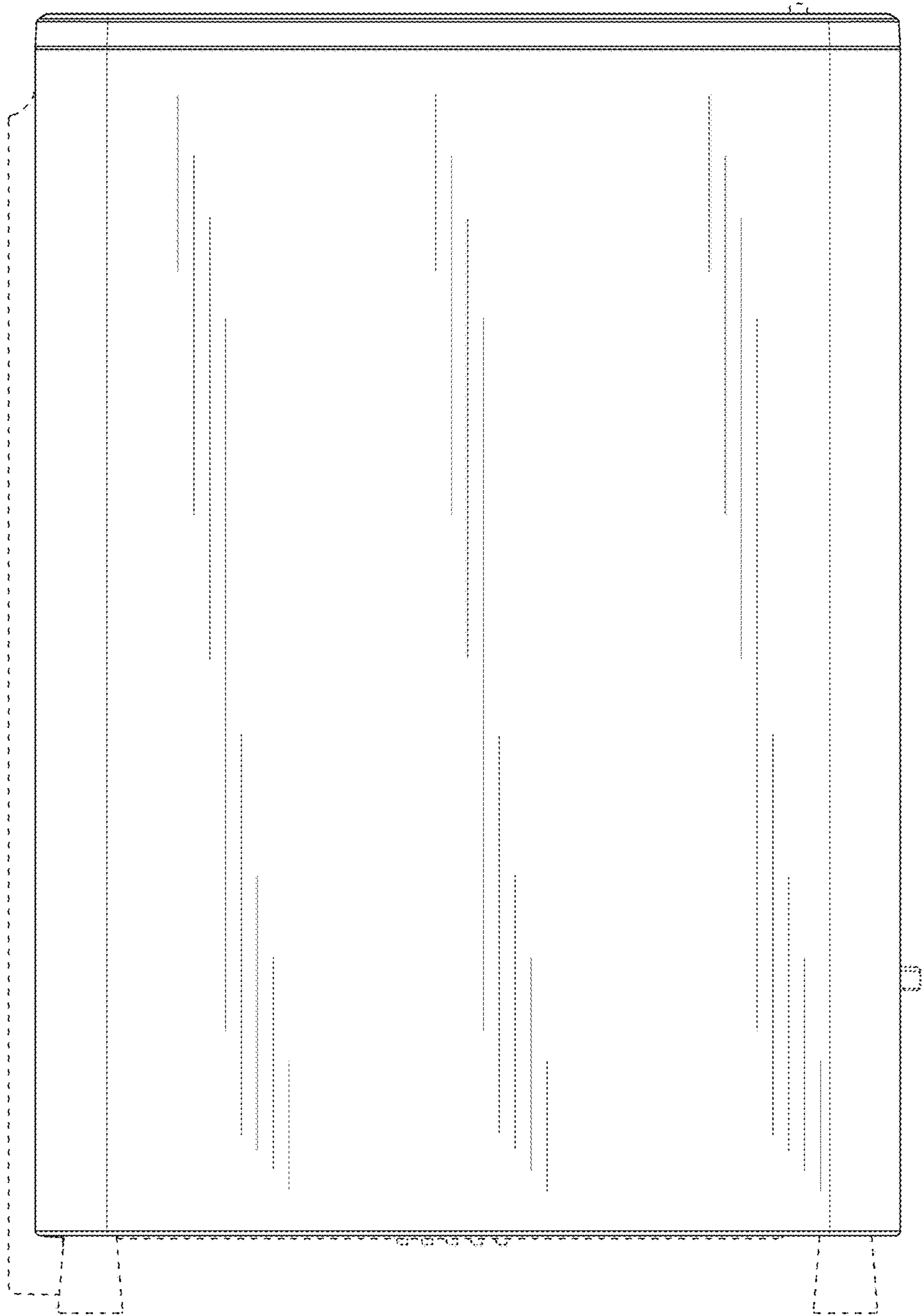


FIG. 10