



US00D988398S

(12) **United States Design Patent** (10) **Patent No.:** **US D988,398 S**
Fukasawa et al. (45) **Date of Patent:** **** Jun. 6, 2023**

- (54) **INK REPLENISH CONTAINER**
- (71) Applicant: **SEIKO EPSON CORPORATION**,
Tokyo (JP)
- (72) Inventors: **Noriyuki Fukasawa**, Matsumoto (JP);
Taku Ishizawa, Matsumoto (JP);
Tadashi Watanabe, Matsumoto (JP);
Ryoichi Tanaka, Shiojiri (JP);
Tadahiro Mizutani, Shiojiri (JP)
- (73) Assignee: **SEIKO EPSON CORPORATION**,
Tokyo (JP)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/744,727**
- (22) Filed: **Jul. 31, 2020**

Related U.S. Application Data

- (60) Continuation of application No. 16/675,851, filed on Nov. 6, 2019, now Pat. No. 11,117,379, which is a division of application No. 15/617,682, filed on Jun. 8, 2017, now Pat. No. 10,471,723.

(30) **Foreign Application Priority Data**

Mar. 1, 2017 (JP) 2017-037829

(51) **LOC (14) Cl.** **18-02**

(52) **U.S. Cl.**
USPC **D18/43**

(58) **Field of Classification Search**
USPC D18/43, 56, 12, 14, 15, 16, 17, 18, 19,
D18/37, 38, 39, 40, 41, 45
CPC H04N 1/00204; H04N 1/00249; H04N
1/00278; G06K 15/12; G06K 15/14; B41J
3/00; B41J 3/28; B41J 3/445; B41J 3/46;
B41J 11/0045; B41J 2/3358; B41J 3/36;
B41J 3/382; B41J 2/1752

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

313,253 A	3/1885	Thatcher	
811,811 A	2/1908	Allison	
D236,694 S *	9/1975	Avolio et al.	D18/43
D240,201 S *	6/1976	Avolio et al.	D18/43
D398,634 S *	9/1998	Katayama	D18/43
5,874,976 A	2/1999	Katon et al.	
5,920,333 A	7/1999	Bates	

(Continued)

FOREIGN PATENT DOCUMENTS

CN	1269749 A	10/2000
CN	1313233 A	9/2001

(Continued)

OTHER PUBLICATIONS

Ink Pro 2 day. Link: https://www.inkpro2day.com/4-empty-90ml-ink-bottles-with-special-filling-cap-for-epson-ecotank-printers/?gclid=EAlalQobChMII6zqt5zl-QIVE8DICh3GNA0eEAQYAiABEglA1fD_BwE. Visited Aug. 26, 2022. 4—Empty 90ml Ink Bottles with Special filling cap for Epson EcoTank Printers. (Year: 2022).*

(Continued)

Primary Examiner — Lauren D McVey

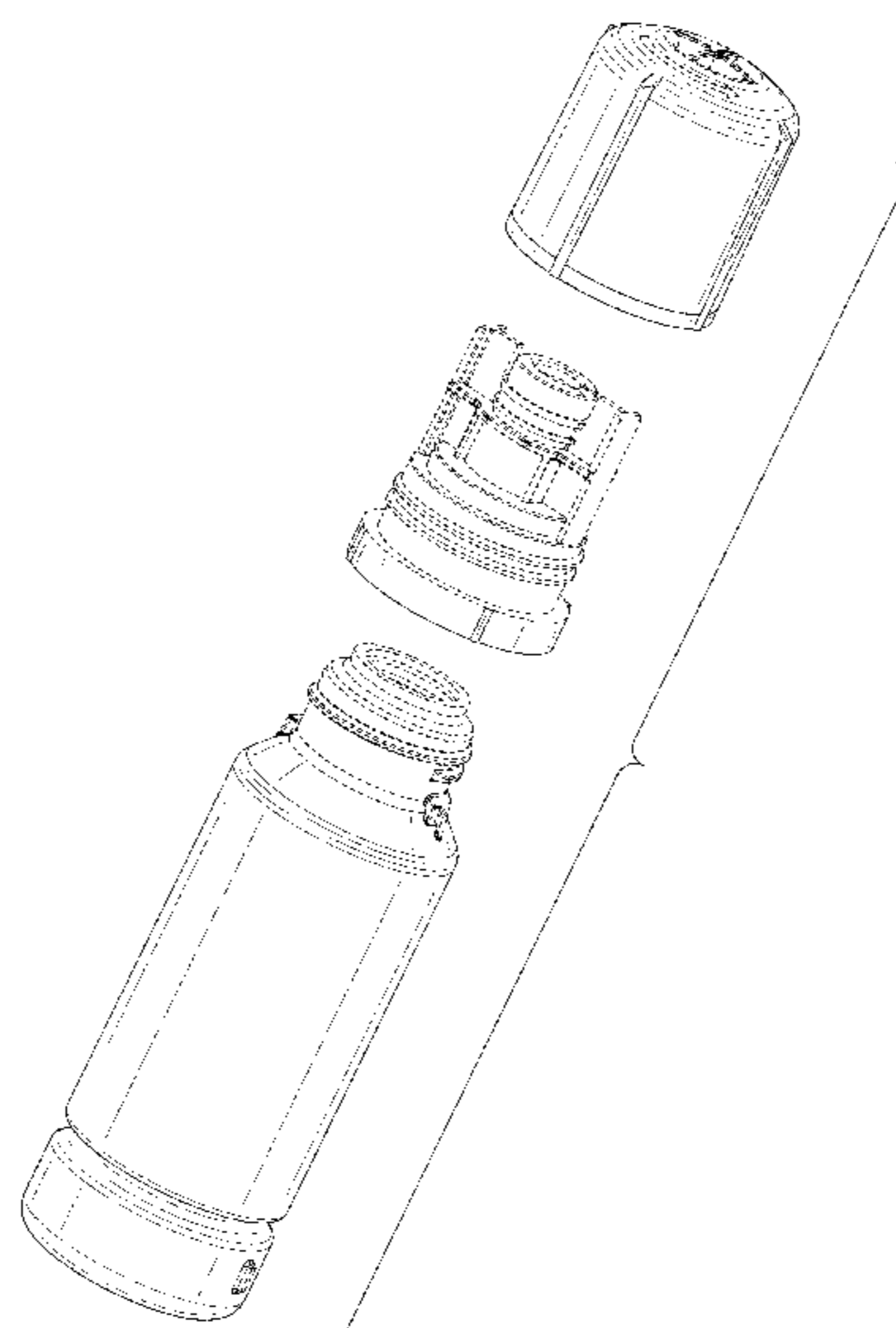
(57) **CLAIM**

The ornamental design for an ink replenish container, as shown and described.

DESCRIPTION

FIG. 1 is a front view of an ink replenish container showing our new design, the rear view being a mirror image of FIG. 1; and, FIG. 2 is a front, top and right side exploded perspective view thereof. The broken lines illustrate portions of the ink replenish container that form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D424,442 S 5/2000 Kreiseder
 6,076,920 A 6/2000 Zapata et al.
 6,079,823 A 6/2000 Zapata et al.
 6,164,768 A 12/2000 Murphy et al.
 D469,119 S * 1/2003 Shiba D18/43
 6,520,630 B1 2/2003 Oda et al.
 6,779,672 B2 8/2004 Kano et al.
 D513,180 S 12/2005 Lindsey et al.
 7,014,055 B2 3/2006 Kano et al.
 D524,366 S * 7/2006 Arai D18/43
 D529,542 S * 10/2006 Tazawa D18/43
 D538,850 S * 3/2007 Choi D18/56
 7,300,138 B2 11/2007 Corner et al.
 7,360,876 B2 4/2008 Inoue et al.
 D583,862 S * 12/2008 Park D18/56
 7,458,665 B2 12/2008 Batista et al.
 7,607,770 B2 10/2009 Inoue et al.
 7,887,166 B2 2/2011 Guhse et al.
 7,980,686 B2 7/2011 Guhse et al.
 8,020,719 B2 9/2011 Ishizawa et al.
 8,397,957 B2 3/2013 Bloom
 9,090,075 B2 7/2015 Matsumoto et al.
 9,186,902 B2 11/2015 Ishizawa et al.
 9,199,769 B2 12/2015 Wood et al.
 9,592,675 B2 3/2017 Matsumoto et al.
 9,662,893 B2 5/2017 Mori et al.
 9,718,276 B2 8/2017 Tomoguchi
 9,908,338 B2 3/2018 Koshikawa et al.
 9,994,037 B2 6/2018 Sakai
 10,105,960 B2 10/2018 Tomoguchi
 10,286,676 B2 5/2019 Kimura et al.
 10,350,896 B2 7/2019 Ishizawa et al.
 10,350,901 B2 * 7/2019 Mizutani B41J 2/1754
 10,369,800 B2 8/2019 Rooney et al.
 D865,521 S * 11/2019 Ishizawa D9/453
 10,471,723 B2 11/2019 Fukasawa et al.
 D899,513 S * 10/2020 Ohashi D18/43
 11,192,380 B2 * 12/2021 Ishizawa B65D 41/16
 11,298,952 B2 * 4/2022 Mizutani B41J 2/1752
 2001/0027957 A1 10/2001 Kano
 2002/0066712 A1 6/2002 Brockwell
 2004/0060893 A1 4/2004 Kano et al.
 2004/0061748 A1 4/2004 Kuwabara et al.
 2005/0011916 A1 1/2005 Battista et al.
 2005/0151809 A1 7/2005 Corner et al.
 2005/0270342 A1 12/2005 Ogura et al.
 2006/0017787 A1 1/2006 Inoue et al.
 2006/0108378 A1 5/2006 Cohen
 2007/0171263 A1 7/2007 Inoue et al.
 2009/0096836 A1 4/2009 Haines et al.
 2009/0101644 A1 4/2009 Maiwald et al.
 2010/0201761 A1 8/2010 Lu et al.
 2012/0024897 A1 2/2012 Corbett
 2012/0043293 A1 2/2012 Bryan et al.
 2012/0125481 A1 5/2012 Matsumoto et al.
 2012/0152978 A1 6/2012 Sekiyama et al.
 2013/0258004 A1 10/2013 Kyotani
 2014/0104349 A1 4/2014 Kimura et al.
 2014/0158660 A1 6/2014 Wood et al.
 2015/0077487 A1 3/2015 Ishizawa et al.
 2015/0124028 A1 5/2015 Kimura et al.
 2015/0283816 A1 10/2015 Kimura et al.
 2016/0016408 A1 1/2016 Matsumoto et al.
 2016/0089893 A1 3/2016 Osakabe et al.
 2016/0121619 A1 5/2016 Tomoguchi
 2016/0200110 A1 7/2016 Matsushita et al.
 2016/0200111 A1 7/2016 Kimura et al.
 2016/0303860 A1 10/2016 Mori et al.
 2016/0303863 A1 10/2016 Sakai
 2016/0332455 A1 11/2016 Yoshida et al.
 2017/0008295 A1 1/2017 Osakabe et al.
 2017/0120606 A1 5/2017 Koshikawa et al.
 2017/0266977 A1 9/2017 Osakabe et al.
 2017/0282570 A1 10/2017 Yamaguchi
 2017/0313089 A1 11/2017 Matsushita et al.

2017/0326882 A1 11/2017 Okude et al.
 2017/0341402 A1 11/2017 Nagashima et al.
 2017/0355191 A1 12/2017 Mizutani et al.
 2017/0355194 A1 12/2017 Fukasawa et al.
 2017/0355195 A1 12/2017 Fukasawa et al.
 2017/0368833 A1 12/2017 Tomoguchi
 2018/0154645 A1 6/2018 Rooney et al.
 2018/0207939 A1 7/2018 Ishizawa et al.
 2018/0250943 A1 9/2018 Fukasawa et al.
 2018/0290456 A1 10/2018 Osakabe et al.
 2019/0275801 A1 9/2019 Osakabe et al.
 2019/0299624 A1 10/2019 Mizutani et al.
 2020/0207108 A1 7/2020 Osakabe et al.
 2022/0024214 A1 1/2022 Osakabe et al.

FOREIGN PATENT DOCUMENTS

CN 101412450 A 4/2009
 CN 101444997 A 6/2009
 CN 101804736 A 8/2010
 CN 102126351 A 7/2011
 CN 202138070 U 2/2012
 CN 204382821 U 6/2015
 CN 105564038 A 5/2016
 CN 207291315 U 5/2018
 EM 001253207-0004 12/2010
 EP 3075540 A1 10/2016
 IN 300515-0001 * 3/2018
 JP S58-107348 A 6/1983
 JP H05-035690 U 5/1993
 JP 3021835 U 3/1996
 JP H09-20018 A 1/1997
 JP H09-294955 A 11/1997
 JP H10-216612 A 8/1998
 JP H11-123834 A1 5/1999
 JP 2001-002097 A 1/2001
 JP 2001-088317 A 4/2001
 JP 2001-146021 A 5/2001
 JP 2001-187459 A 7/2001
 JP 2003-305865 A 10/2003
 JP 2004-142442 A 5/2004
 JP 2004-142447 A 5/2004
 JP 2005-028859 A 2/2005
 JP 2006-263960 A 10/2006
 JP 2008-200912 A 9/2008
 JP 2010-076428 A 4/2010
 JP 2010-240907 A 10/2010
 JP 3168889 U 6/2011
 JP 2011-230840 A 11/2011
 JP D1429123 * 12/2011
 JP 2012-106363 A 6/2012
 JP 2012-131068 A 7/2012
 JP 2012-176587 A 9/2012
 JP D1455311 * 11/2012
 JP 2013-226830 A 11/2013
 JP 2014-008640 A 1/2014
 JP 2014-079909 A 5/2014
 JP 2014-088207 A 5/2014
 JP 2014-091257 A 5/2014
 JP 2015-058543 A 3/2015
 JP 2015-178280 A 10/2015
 JP 2016-041595 A 3/2016
 JP 2016-68473 A 5/2016
 JP 2016-087844 A 5/2016
 JP 2016-102824 A 6/2016
 JP 2016-190402 A 11/2016
 JP 2016-203404 A 12/2016
 JP 2016-203991 A 12/2016
 JP 2017-039517 A 2/2017
 JP 2017-205895 A 11/2017
 JP D1603208 S 5/2018
 WO 2004028817 A1 4/2004
 WO WO2014/084264 A1 6/2014
 WO WO2015/079547 A1 6/2015
 WO WO2016/060019 A1 4/2016

(56)

References Cited

FOREIGN PATENT DOCUMENTS

WO WO2017-020915 A1 2/2017
WO WO-2020242453 A1 * 12/2020 G03G 15/0868

OTHER PUBLICATIONS

Final Office Action on U.S. Appl. No. 15/617,834 dated Mar. 26, 2019.

International Search Report dated Aug. 22, 2017 in PCT/JP2017/021057 with English-language translation.

International Search Report dated Aug. 22, 2017 in PCT/JP2017/021276 with English-language translation.

Final Office Action dated Sep. 4, 2018 in co-pending U.S. Appl. No. 15/615,525.

Office Action dated May 31, 2018 in co-pending U.S. Appl. No. 15/617,782.

Office Action dated Feb. 13, 2018 in co-pending U.S. Appl. No. 15/615,525.

* cited by examiner

FIG. 1

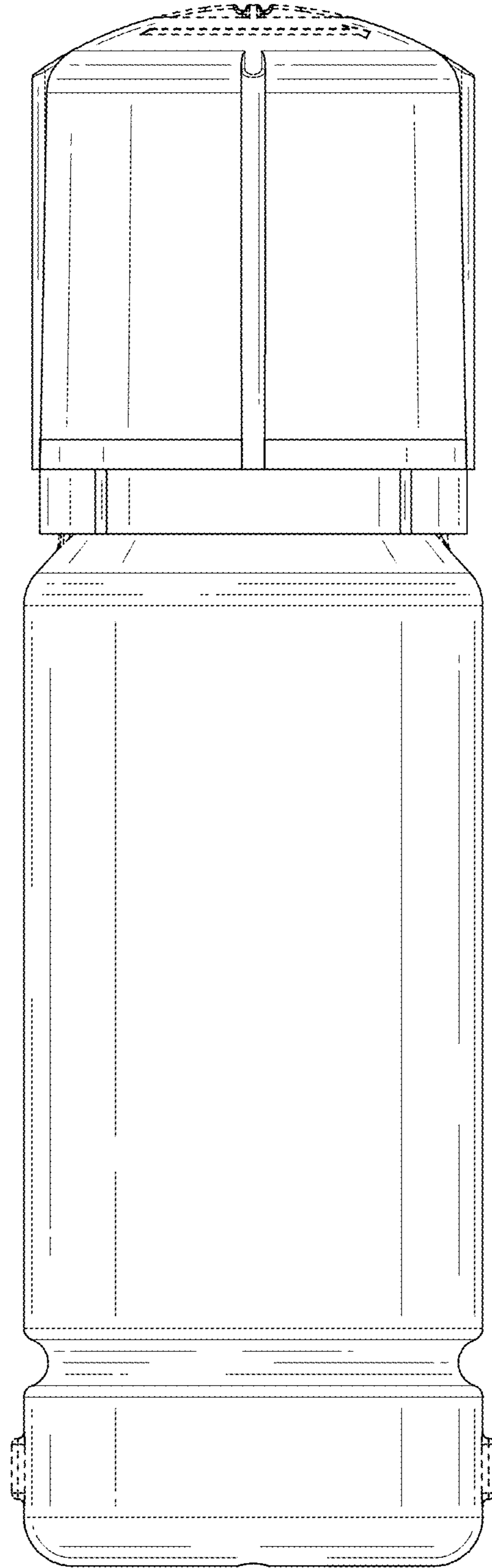


FIG.2

