



US00D861975S

(12) **United States Design Patent** (10) **Patent No.:** **US D861,975 S**  
**Bowen et al.** (45) **Date of Patent:** **\*\* Oct. 1, 2019**

(54) **VAPORIZER DEVICE WITH CARTRIDGES**  
(71) Applicant: **JUUL LABS, INC.**, San Francisco, CA (US)  
(72) Inventors: **Adam Bowen**, San Francisco, CA (US); **James Monsees**, San Francisco, CA (US); **Steven Christensen**, San Francisco, CA (US); **Joshua Morenstein**, San Francisco, CA (US); **Christopher Nicholas HibmaCronan**, Oakland, CA (US)  
(73) Assignee: **JUUL Labs, Inc.**, San Francisco, CA (US)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/650,601**  
(22) Filed: **Jun. 7, 2018**

**Related U.S. Application Data**

(63) Continuation of application No. 35/001,169, filed on Jul. 28, 2016 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Mar. 11, 2016, now Pat. No. Des. 825,102.

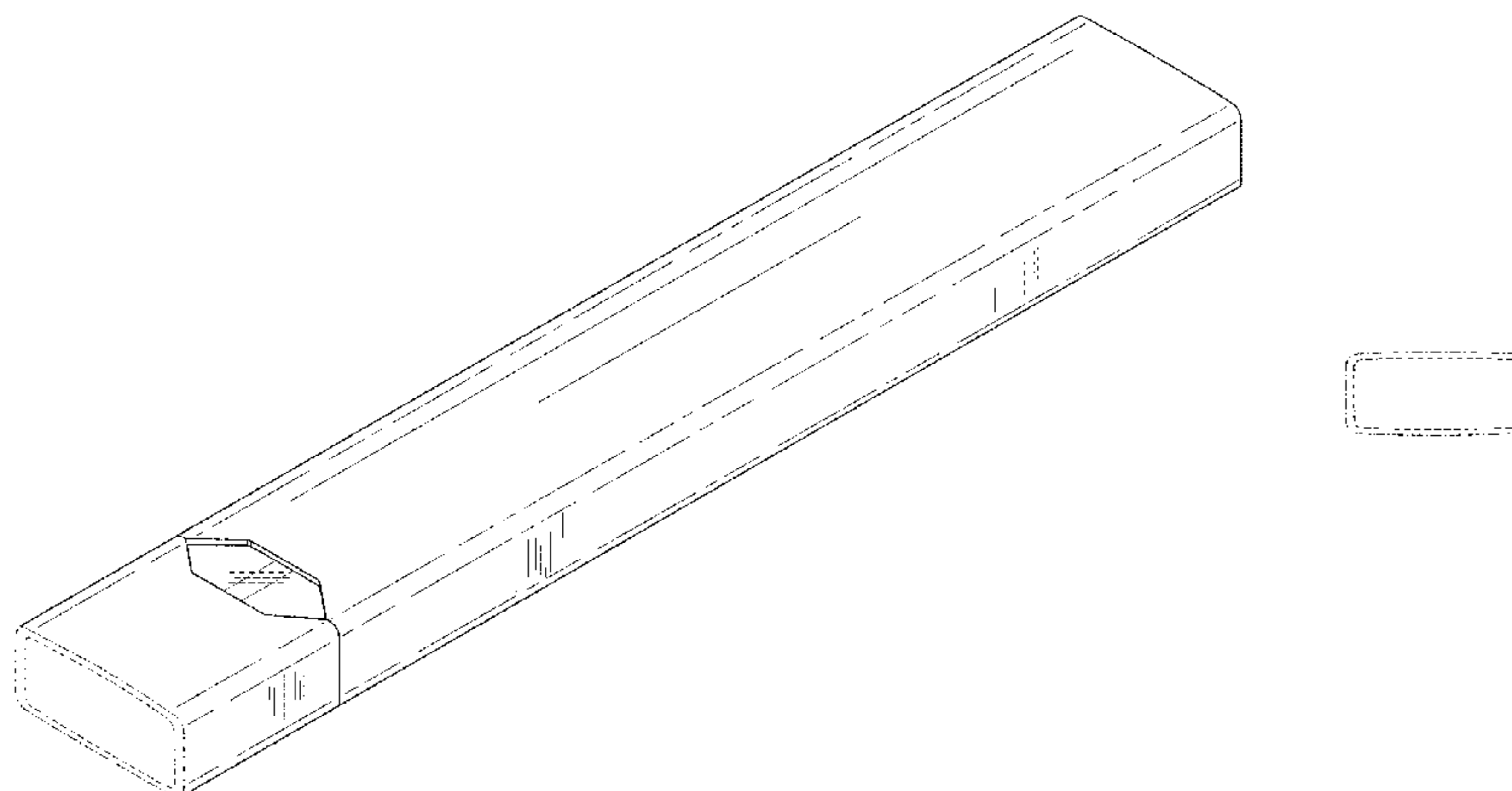
**Foreign Application Priority Data**

(30) Feb. 8, 2016 (CN) ..... 2016 3 0043697  
(51) **LOC (12) Cl.** ..... **27-02**  
(52) **U.S. Cl.**  
USPC ..... **D27/162**  
(58) **Field of Classification Search**  
USPC ..... D24/110; D27/100-102, 163, 165-167, D27/193-194  
CPC ..... A24F 1/26; A24F 1/30; A24F 3/00; A24F 7/00; A24F 15/00; A24F 23/00; A24F 23/02; A24F 47/00; A24F 47/002; A24F 47/008  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

595,070 A	12/1897	Oldenbusch	
2,897,958 A	8/1959	Tarleton et al.	
3,918,451 A	11/1975	Steil	
D260,690 S	9/1981	Stutzer	
D271,255 S	11/1983	Rousseau	
D280,494 S	9/1985	Abel	
D299,066 S *	12/1988	Newell .....	D24/110
4,811,731 A	3/1989	Newell et al.	
D336,346 S	6/1993	Miller et al.	
H001271 H	1/1994	Shouse	
5,479,948 A	1/1996	Counts et al.	
D397,504 S	8/1998	Zelenik	
D532,927 S	11/2006	Sann	
D545,490 S	6/2007	Tai	
D545,904 S	7/2007	Chen et al.	
D589,941 S	4/2009	Maier et al.	
D591,758 S	5/2009	Lee	
D610,588 S	2/2010	Chen	
D627,962 S	11/2010	Mudrick	
D631,055 S	1/2011	Gilbert et al.	
D634,735 S	3/2011	Maier	
D645,817 S	9/2011	Sasada et al.	
D647,101 S *	10/2011	Huang .....	D14/480.7
D664,636 S	7/2012	Robinson et al.	
D669,530 S *	10/2012	Hung .....	D19/166
D670,659 S	11/2012	Ishikawa et al.	
D675,777 S	2/2013	Wu	
8,371,709 B2	2/2013	Cheng	
D682,841 S	5/2013	Suetake et al.	
D686,987 S	7/2013	Vanstone et al.	
D688,415 S	8/2013	Kim	
D703,679 S *	4/2014	Chen .....	D14/480.1
D703,680 S *	4/2014	Lin .....	D14/480.1
8,707,965 B2	4/2014	Newton	
D704,629 S	5/2014	Liu	
D707,688 S *	6/2014	Wu .....	D14/480.1
D711,389 S *	8/2014	Sun .....	D14/480.5
D711,891 S *	8/2014	Emami et al. ....	D14/480.5
8,794,231 B2	8/2014	Thorens et al.	
D718,492 S	11/2014	Albanese	
D721,202 S	1/2015	Liu	
8,955,522 B1	2/2015	Bowen et al.	
D724,782 S	3/2015	Wu	
D726,727 S	4/2015	Holz et al.	
D729,441 S	5/2015	Hua	
D742,063 S	10/2015	Recio	
9,167,849 B2	10/2015	Adamic	
D749,510 S	2/2016	Liu	
D750,320 S	2/2016	Verleur et al.	



# US D861,975 S

D752,278 S	3/2016	Verleur et al.	2016/0166564 A1	6/2016	Myers et al.
D752,280 S	3/2016	Verleur et al.	2016/0174611 A1	6/2016	Monsees et al.
D752,284 S	3/2016	Doster	2016/0192707 A1	7/2016	Li et al.
D753,090 S	4/2016	Langhammer et al.	2016/0227841 A1	8/2016	Li et al.
D758,650 S	6/2016	Wu	2016/0270446 A1	9/2016	Shenkal et al.
D759,031 S	6/2016	Ozolins et al.	2016/0278436 A1	9/2016	Verleur et al.
D762,001 S	7/2016	Liu	2016/0295913 A1	10/2016	Guo et al.
D764,703 S	8/2016	Liu	2016/0324211 A1	11/2016	Yankelevich
D766,873 S	9/2016	Washio	2016/0331912 A1	11/2016	Trzeciecki
D768,920 S	10/2016	Jones et al.	2016/0345626 A1	12/2016	Wong et al.
D773,391 S	12/2016	Haarburger et al.	2016/0353805 A1	12/2016	Hawes et al.
D774,247 S	12/2016	Chen	2016/0360789 A1	12/2016	Hawes et al.
D775,413 S	12/2016	Liu	2016/0366943 A1	12/2016	Li et al.
9,549,573 B2	1/2017	Monsees et al.	2016/0366947 A1	12/2016	Monsees et al.
D778,492 S	2/2017	Liu	2016/0374399 A1	12/2016	Monsees et al.
D779,719 S	2/2017	Qiu	2017/0000190 A1	1/2017	Wu
9,596,887 B2	3/2017	Newton	2017/0035115 A1	2/2017	Monsees et al.
9,603,390 B2	3/2017	Li et al.	2017/0065001 A1	3/2017	Li et al.
D784,609 S	4/2017	Liu	2017/0071256 A1	3/2017	Verleur et al.
D792,021 S	7/2017	Beer et al.	2017/0095005 A1	4/2017	Monsees et al.
9,723,877 B2	8/2017	Wong et al.	2017/0119060 A1	5/2017	Li et al.
D811,003 S *	2/2018	Folyan ..... D27/101	2017/0150754 A1	6/2017	Lin
9,956,357 B2	5/2018	Chen	2017/0181471 A1	6/2017	Phillips et al.
D819,881 S *	6/2018	Qiu ..... D27/101	2017/0196264 A1	7/2017	Liu
D822,896 S *	7/2018	Durand ..... D27/101	2017/0197046 A1	7/2017	Buchberger
10,045,568 B2	8/2018	Monsees et al.	2017/0215478 A1	8/2017	Harrison et al.
10,058,124 B2	8/2018	Monsees et al.	2017/0231280 A1	8/2017	Anton
10,058,129 B2	8/2018	Monsees et al.	2017/0231281 A1	8/2017	Hatton et al.
D829,371 S *	9/2018	Durand ..... D27/101	2017/0231282 A1	8/2017	Bowen et al.
D829,980 S	10/2018	Qiu	2017/0258142 A1	9/2017	Hatton et al.
D834,702 S *	11/2018	Evans ..... D24/110	2017/0259170 A1	9/2017	Bowen et al.
D836,190 S *	12/2018	Evans ..... D24/110	2017/0302324 A1	10/2017	Stanimirovic et al.
D836,831 S *	12/2018	Cividi ..... D27/162	2017/0360092 A1	12/2017	Althorpe et al.
D836,834 S *	12/2018	Cividi ..... D27/194	2018/0070649 A1	3/2018	Monsees et al.
D842,237 S *	3/2019	Qiu ..... D13/103	2018/0103686 A1	4/2018	Monsees et al.
D844,235 S *	3/2019	Cividi ..... D27/167	2018/0140005 A1	5/2018	Lin et al.
D845,964 S *	4/2019	Kim ..... D14/480.5	2018/0177234 A1	6/2018	Lee
2004/0200488 A1	10/2004	Felter et al.			
2005/0016533 A1	1/2005	Schuler et al.			
2005/0029137 A1	2/2005	Wang			
2005/0118545 A1	6/2005	Wong			
2005/0268911 A1	12/2005	Cross et al.	AU 2017202891 A1	5/2017	
2006/0196518 A1	9/2006	Hon	CN 1122213 A	5/1996	
2007/0089757 A1	4/2007	Bryman	CN 301485739	3/2011	
2007/0229025 A1	10/2007	Tsai et al.	CN 301547686	5/2011	
2008/0023003 A1	1/2008	Rosenthal	CN 301970169	6/2012	
2009/0151717 A1	6/2009	Bowen et al.	CN 202890462 U	4/2013	
2009/0260641 A1	10/2009	Monsees et al.	CN 302396126 S	4/2013	
2009/0260642 A1	10/2009	Monsees et al.	CN 103141944 A	6/2013	
2009/0272379 A1	11/2009	Thorens et al.	CN 203087525 U	7/2013	
2010/0307116 A1	12/2010	Fisher	CN 302799554	4/2014	
2010/0313901 A1	12/2010	Fernando et al.	CN 302810246	4/2014	
2011/0265806 A1	11/2011	Alarcon et al.	CN 302884434	8/2014	
2012/0018529 A1	1/2012	Gammon et al.	CN 302926289	8/2014	
2012/0325227 A1	12/2012	Robinson et al.	CN 302950830	9/2014	
2013/0042865 A1	2/2013	Monsees et al.	CN 303091331	1/2015	
2013/0220847 A1	8/2013	Fisher et al.	CN 303210086	5/2015	
2013/0228191 A1	9/2013	Newton	CN 204466899 U	7/2015	
2013/0312742 A1	11/2013	Monsees et al.	CN 104983076 A	10/2015	
2014/0021190 A1	1/2014	Sardar	CN 303568163	1/2016	
2015/0034104 A1	2/2015	Zhou	CN 303103390	2/2016	
2015/0053217 A1	2/2015	Steingraber et al.	EM 002626416-001	4/2015	
2015/0102777 A1	4/2015	Cooper	EP 3015010 A1	5/2016	
2015/0114410 A1	4/2015	Doster	EP 3031339 A1	6/2016	
2015/0122252 A1	5/2015	Frija	EP 3103356 A1	12/2016	
2015/0128967 A1	5/2015	Robinson et al.	EP 3111787 A1	1/2017	
2015/0128971 A1	5/2015	Verleur et al.	EP 3143882 A3	3/2017	
2015/0128972 A1	5/2015	Verleur et al.	WO WO-D079112-0010	12/2012	
2015/0128976 A1	5/2015	Verleur et al.	WO WO-2013044537 A1	4/2013	
2015/0157056 A1	6/2015	Bowen et al.	WO WO-2013068100 A1	5/2013	
2015/0208729 A1	7/2015	Monsees et al.	WO WO-2013113612 A1	8/2013	
2015/0245654 A1	9/2015	Memari et al.	WO WO-2015073564 A1	5/2015	
2015/0282530 A1	10/2015	Johnson et al.	WO WO-2015190810 A1	12/2015	
2015/0305409 A1	10/2015	Verleur et al.	WO WO-2016123779 A1	8/2016	
2015/0313287 A1	11/2015	Verleur et al.	WO WO-2016127839 A1	8/2016	
2015/0328415 A1	11/2015	Minskoff et al.	WO WO-2016177604 A1	11/2016	
2015/0374039 A1	12/2015	Zhu	WO WO-2016201606 A1	12/2016	
2016/0121058 A1	5/2016	Chen	WO WO-2017007252 A1	1/2017	
2016/0150824 A1	6/2016	Memari et al.	WO WO-2017045132 A1	3/2017	
			WO WO-2017046247 A1	3/2017	

## FOREIGN PATENT DOCUMENTS

WO	WO-2017093452	A1	6/2017
WO	WO-2017102633	A1	6/2017
WO	WO-2017121156	A1	7/2017
WO	WO-2017143865	A1	8/2017
WO	WO-2017173951	A1	10/2017

OTHER PUBLICATIONS

Breland, Alison, et al. "Electronic cigarettes: what are they and what do they do?." *Annals of the New York Academy of Sciences* 1394.1 (2017): 5-30.

Cloud pen vaporizer unboxing review by vaporizer blog // VaporizerBlog.com, <https://www.youtube.com/watch?v=ixHMkXoWKNg>, published on Dec. 12, 2013 (4 pages).

Electronic Vaporization Device with Cartridge | JUUL Pod | JUUL Vapor, Posted Jun. 3, 2015, Juulvapor.com, retrieved Nov. 24, 2015, <https://www.juulvapor.com/shopjuul/>.

Electronic Vaporization Device/ Gizmodo Pax 2 Vaporizer/ Gizmodo; retrieved from <http://gizmodo.com/pax-2-vaporizer-reviews-its-like-smoking-in-the-future-1718310779>; posted Jul. 23, 2015, retrieved Oct. 17, 2016.

FC Vaporizer Review Forum; Pax Vaporizer by Ploom; retrieved from : <http://fuckcombtion.com/threads/pax-vaporizer-by-ploom.6223/>; pp. 2 & 11 (2 pgs.); retrieval date: Nov. 16, 2015.

iWand Rectangular Pen Shape Design Flat Short Mouth Holder 1.0ML Tank Atomizer LED Display 800mAh Rechargeable E—Cigarette Set—Colorful, [https://www.gearbest.com/electronic-cigarettes/pp\\_15466.html](https://www.gearbest.com/electronic-cigarettes/pp_15466.html), accessed Jan. 25, 2019. (3 pages).

Joye eGo-Tank System XXL 1000mAh Starter Kit, <https://www.myvaporstore.com/eGo-Tank-System-XXL-1000mAh-Starter-Kit-p/ego-t-xxlkit.htm>, accessed Jan. 25, 2019 (4 pages).

Modello iWand, [https://www.youtube.com/watch?v=\\_brQOLDqHX0](https://www.youtube.com/watch?v=_brQOLDqHX0), published Dec. 28, 2012, (4 pages).

PAX Labs, Inc.; JUUL product information 2016; retrieved from <https://www.juulvapor.com/shop-juul/>; 6 pgs.; retrieved Mar. 9, 2016.

Pierce, D. This Might It Be the First Great E-Cig. {online} Wired, Published on Apr. 21, 2015. Available at: [https://www.wired.com/2015/04/pax-juul-ecig/?mbid=social\\_twitter](https://www.wired.com/2015/04/pax-juul-ecig/?mbid=social_twitter).

Shapiro, "Following the Vapor Trail," <https://www.nytimes.com/2013/12/19/fashion/for-vaporizers-new-technology-and-product-design.html>, Dec. 18, 2013 (3 pages).

Tarantola, Andrew. "The Pax 2 vaporizer makes its predecessor look half-Baked." *Engadget*, Jul. 14, 2016, [www.engadget.com/2015/04/20/pax-2-vaporizer-review/](http://www.engadget.com/2015/04/20/pax-2-vaporizer-review/). Accessed Sep. 5, 2017.

The Verge. Startup behind the Lambo of vaporizers jt launched an intelligent e-cigarette. [online], published on Apr. 21, 2015. Available at: <https://www.theverge.com/2015/4/21/8458629/pax-labs-e-cigarette-juul>.

VapeWorld; Original PAX Vaporizers for Portable and Home e; retrieved from: <https://www.vapeworld.com/pax-vaporizer-by-ploom?gclid=CPCi1PKojskCFU06gQodPr>; 9 pgs.; retrieved Nov. 13, 2015.

Youtube; Pax by Ploom Vaporizer Review; posted Aug. 14, 2013, retrieved Sep. 8, 2016, <https://www.youtube.com/watch?v=Jm06zW3-cxQ>.

\* cited by examiner

*Primary Examiner* — Michael A. Pratt

(74) *Attorney, Agent, or Firm* — Mintz Levin Cohn Ferris Glovsky and Popeo, P.C.

(57) **CLAIM**

The ornamental design for a vaporizer device with cartridges, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, rear, and right side perspective view of a vaporizer device with cartridge showing a first embodiment of our design;

FIG. 2 is a top view thereof;

FIG. 3 is a left view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is right side view thereof;

FIG. 6 is a front view thereof; and

FIG. 7 is a bottom view thereof.

FIG. 8 is a top, rear, and right side perspective view of a vaporizer device with cartridge showing a second embodiment of our design;

FIG. 9 is a top view thereof;

FIG. 10 is a left view thereof;

FIG. 11 is a rear view thereof;

FIG. 12 is right side view thereof;

FIG. 13 is a front view thereof; and

FIG. 14 is a bottom view thereof.

FIG. 15 is a top, rear, and right side perspective view of a vaporizer device with cartridge showing a third embodiment of our design;

FIG. 16 is a top view thereof;

FIG. 17 is a left view thereof;

FIG. 18 is a rear view thereof;

FIG. 19 is right side view thereof;

FIG. 20 is a front view thereof; and,

FIG. 21 is a bottom view thereof.

The dash-dash broken lines illustrate portions of the vaporizer device with cartridge that form no part of the claimed design.

The dash-dot lines illustrate boundary lines that form no part of the claimed design. The areas within the dash-dot lines form no part of the claimed design.

**1 Claim, 21 Drawing Sheets**

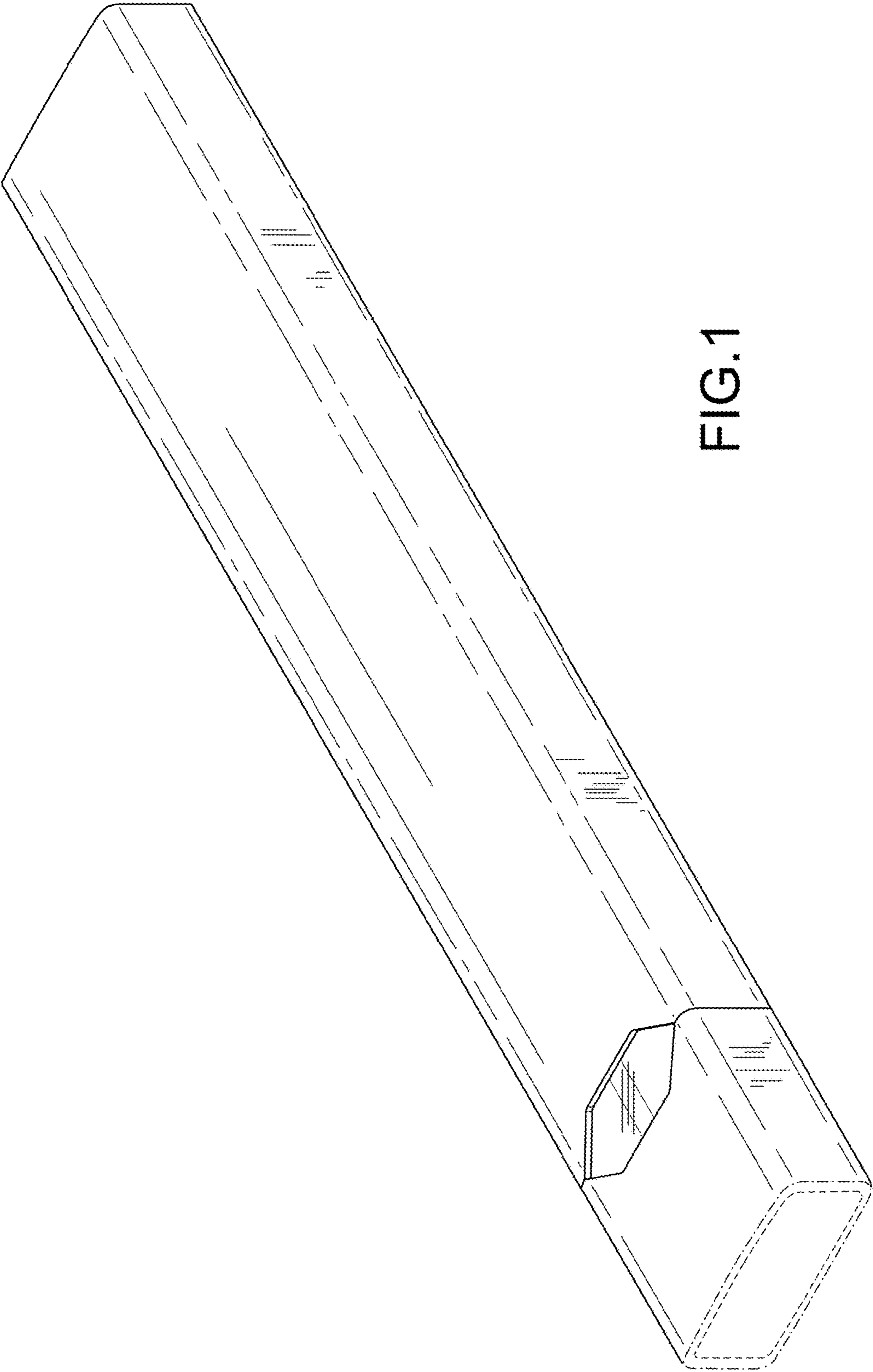


FIG.1



FIG.2

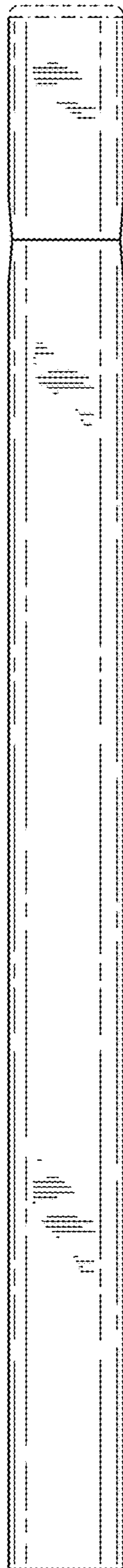


FIG.3

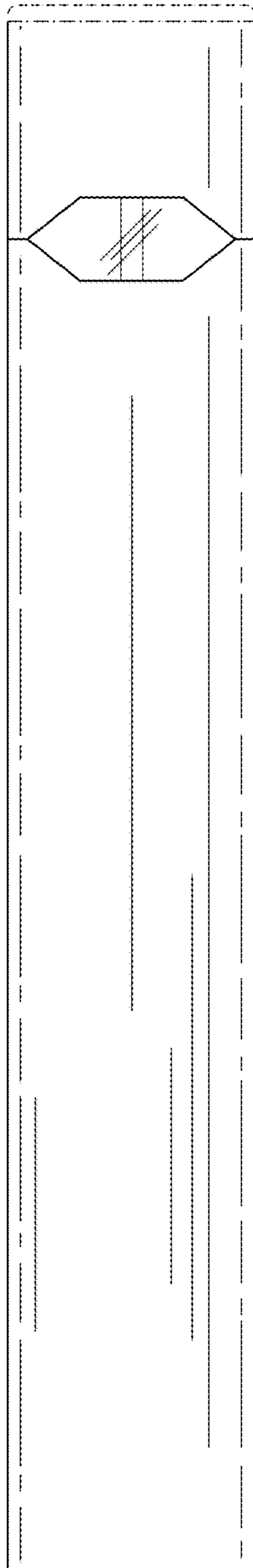


FIG.4

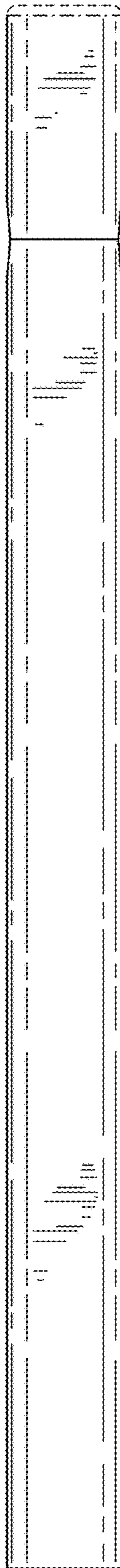


FIG.5



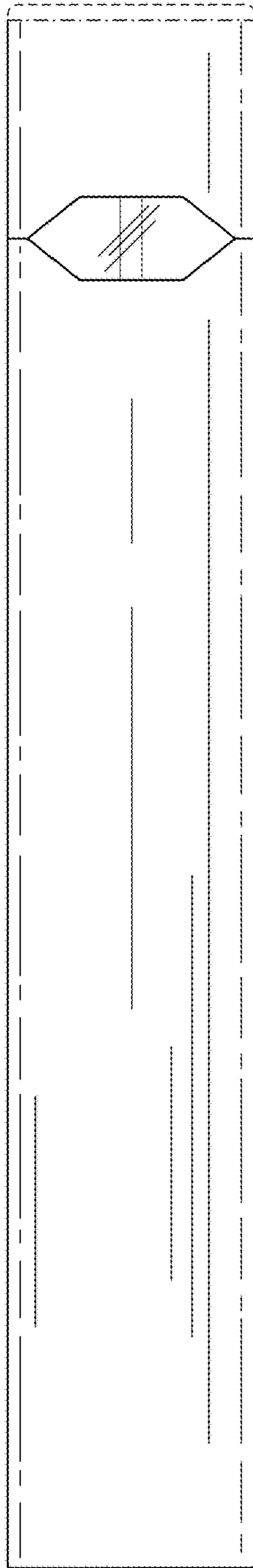


FIG.6

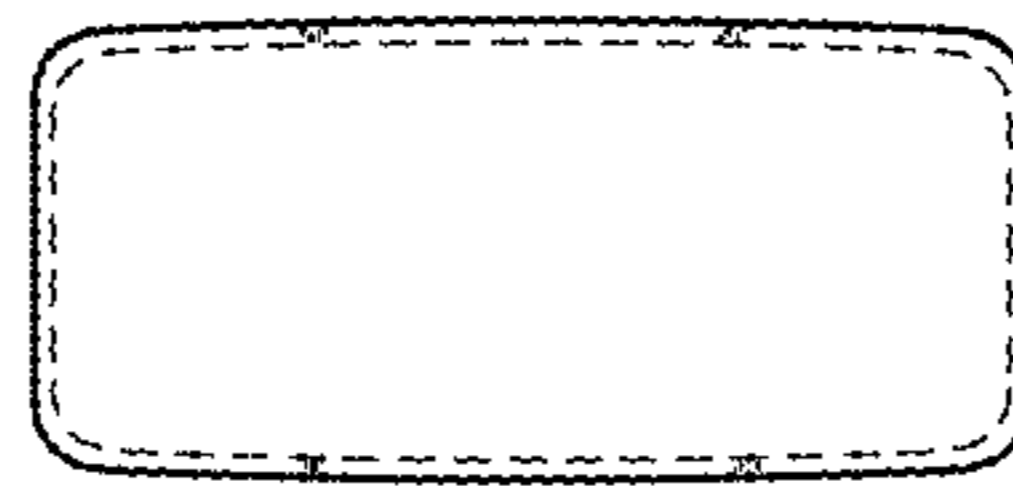


FIG.7

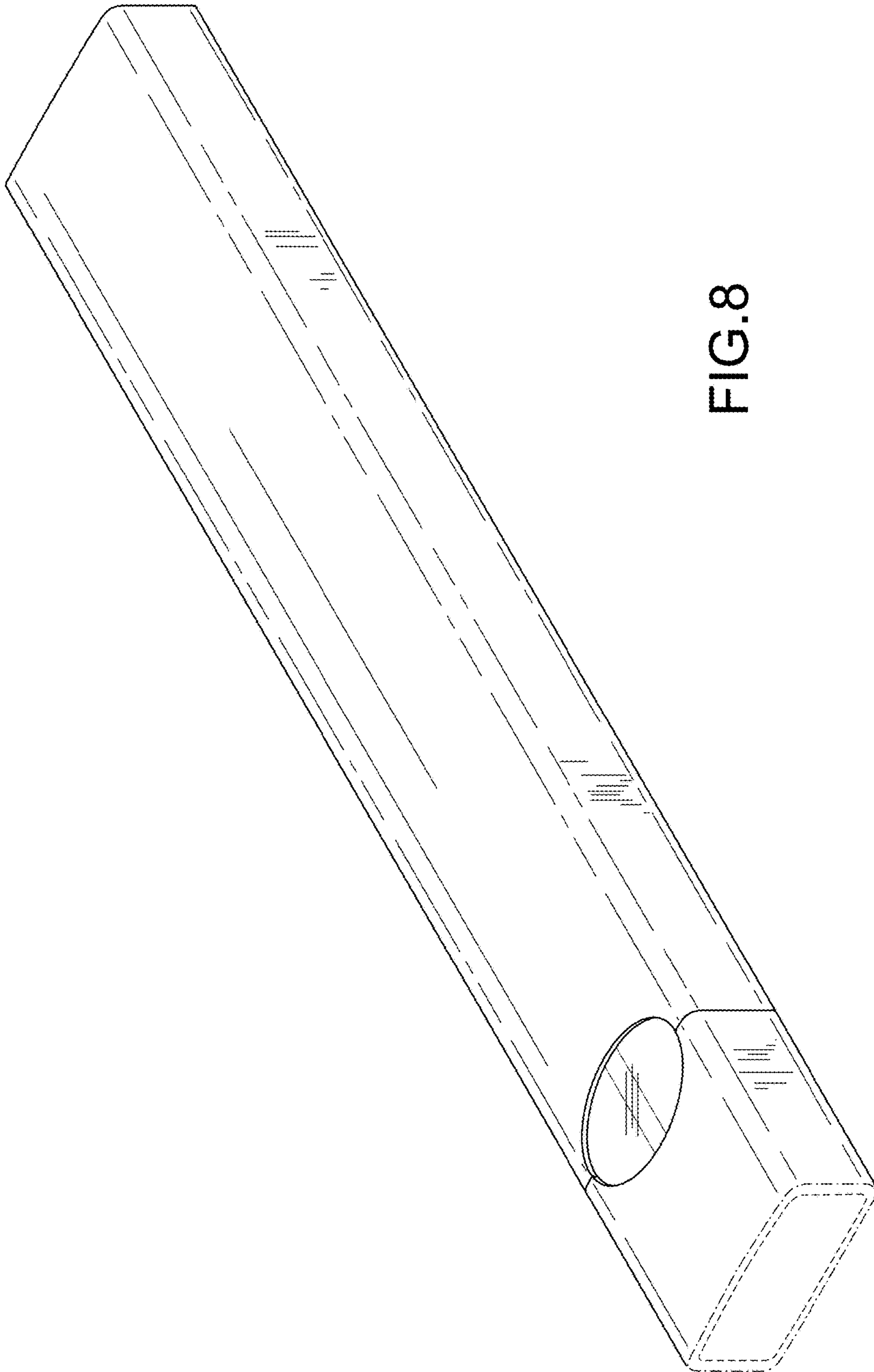


FIG. 8

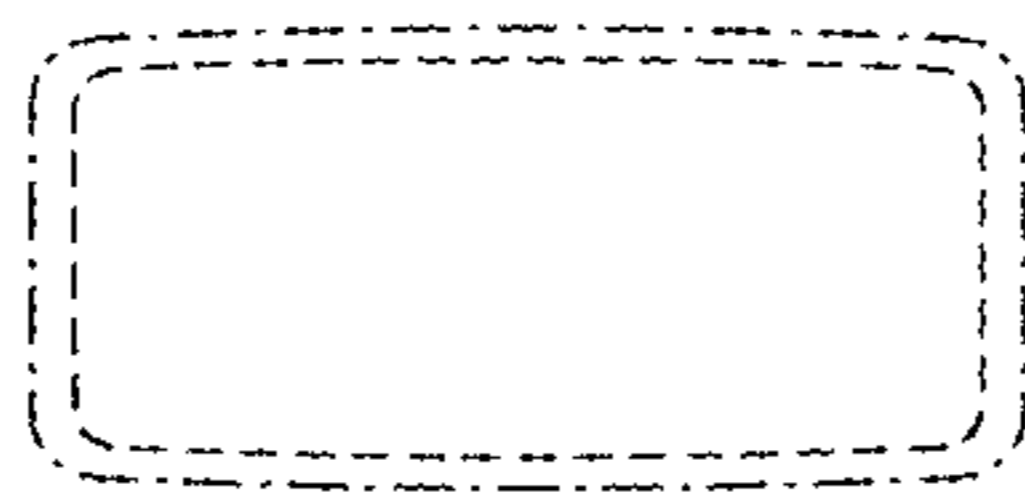


FIG.9

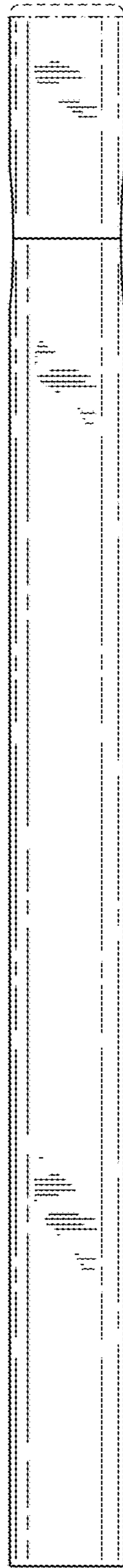


FIG. 10

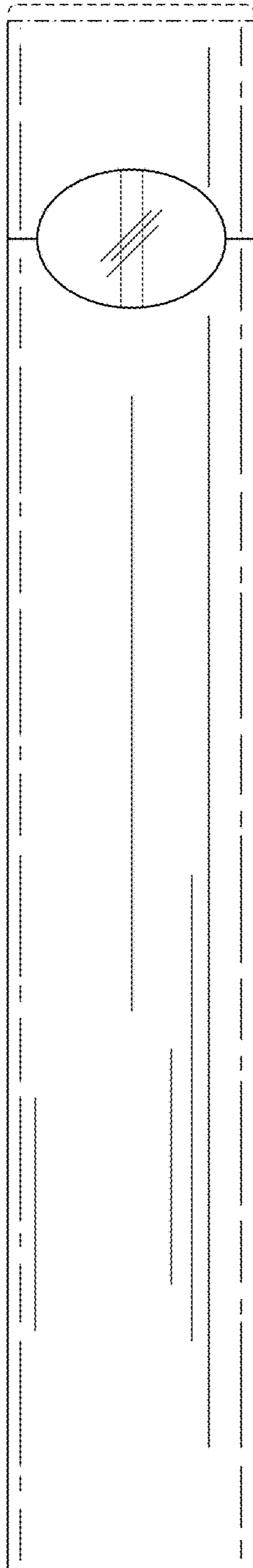


FIG. 11

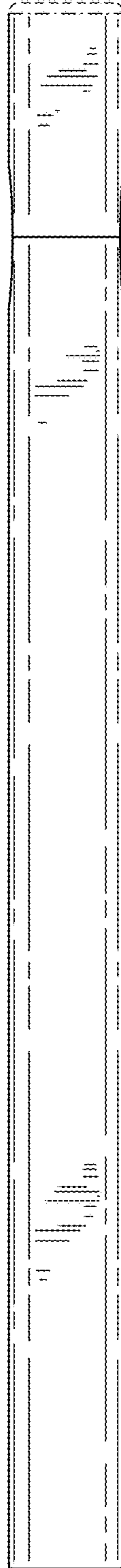


FIG.12

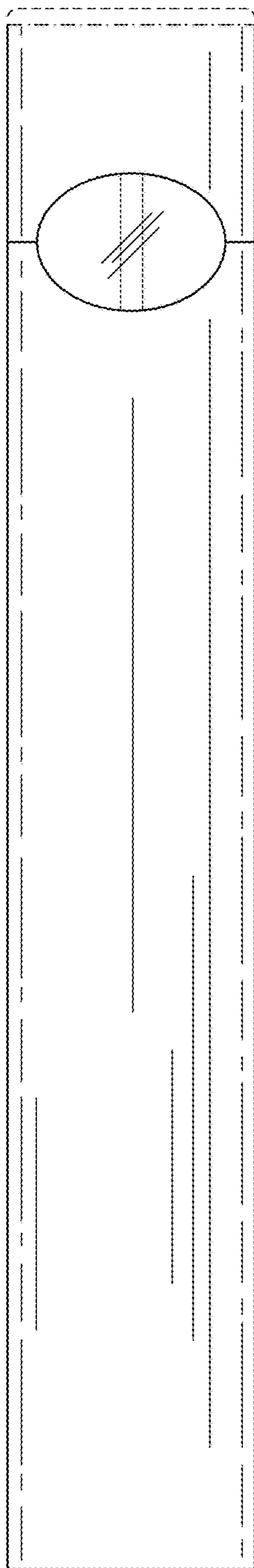


FIG. 13



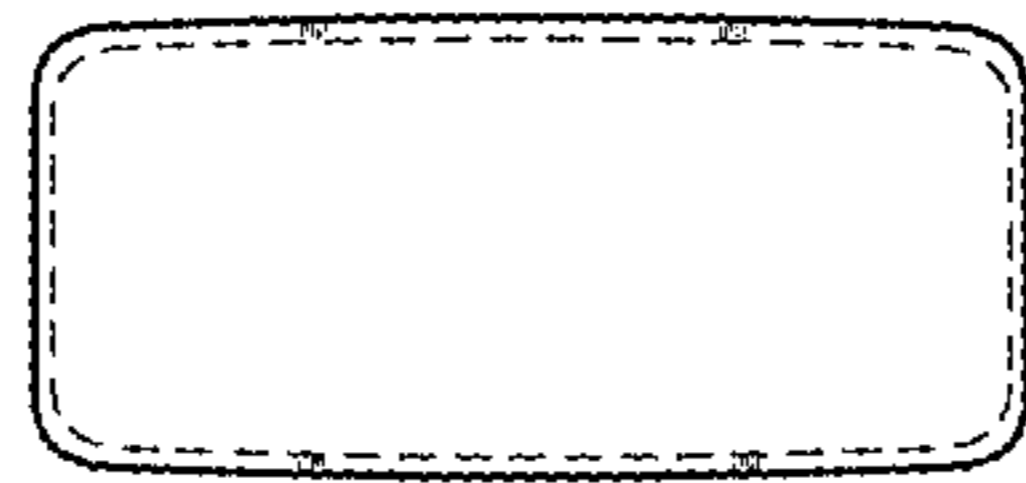


FIG.14

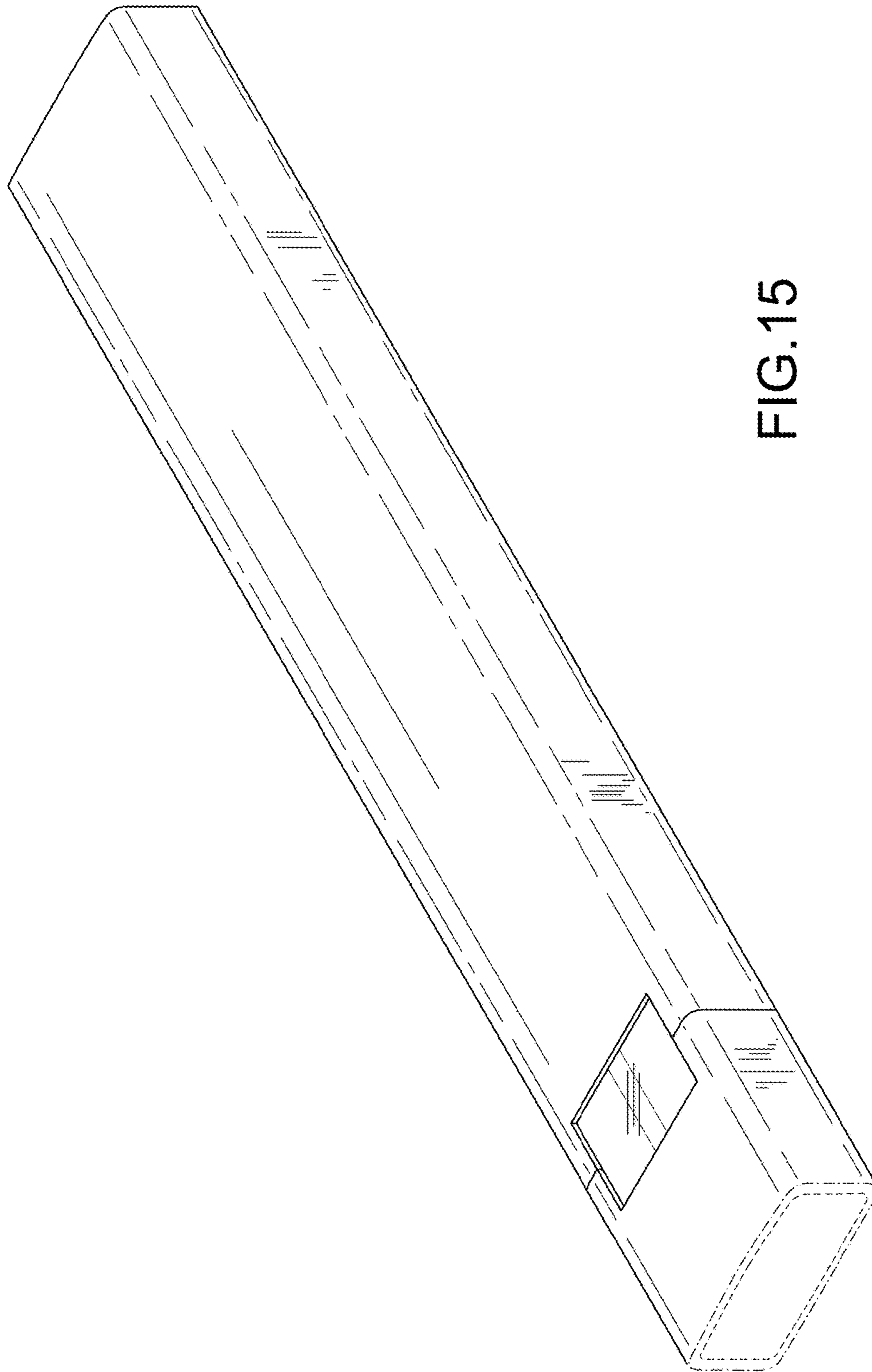


FIG.15

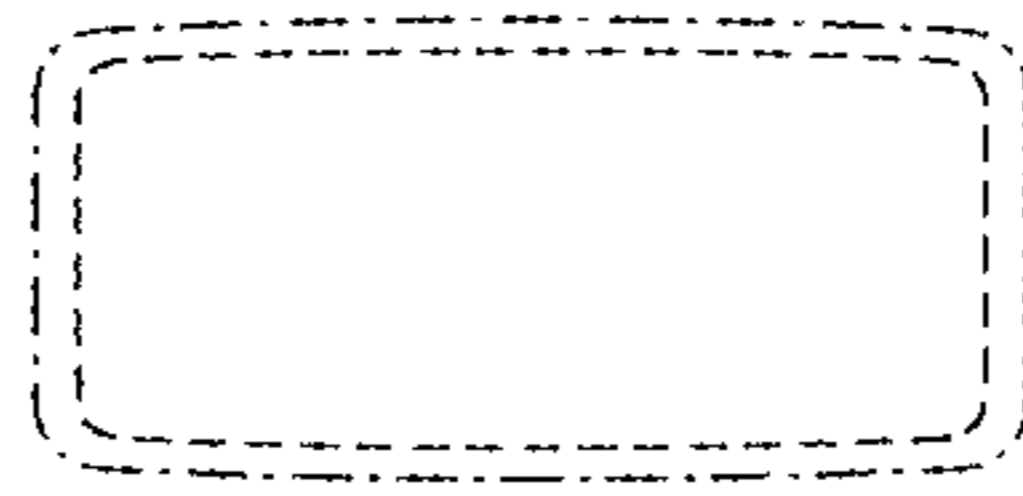


FIG.16

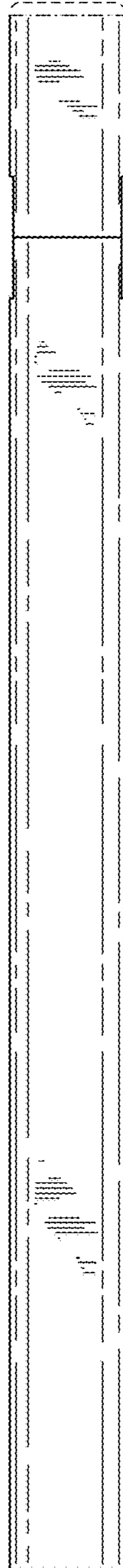


FIG.17

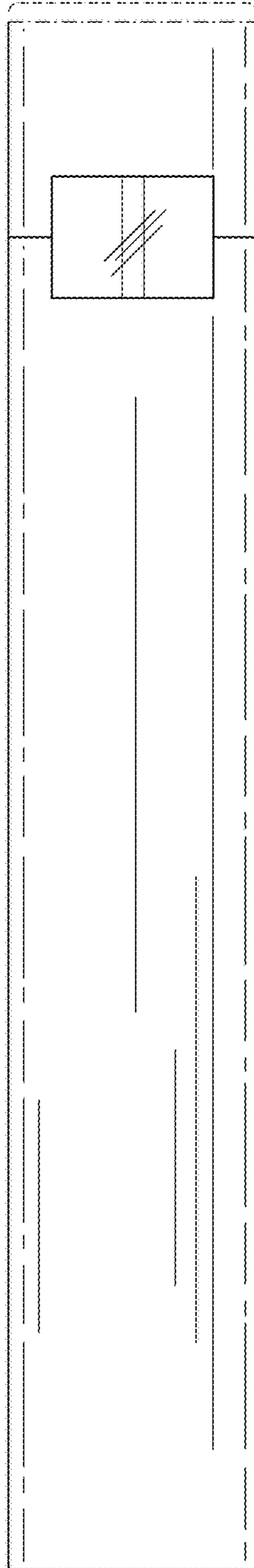


FIG. 18

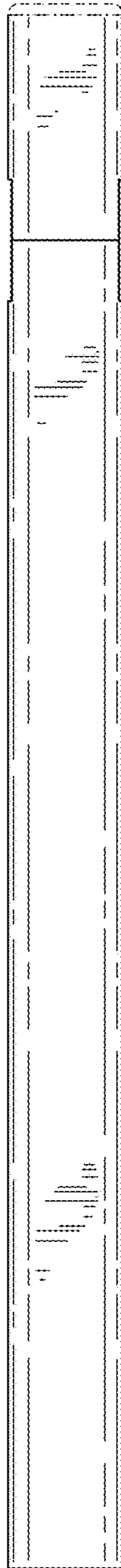


FIG. 19

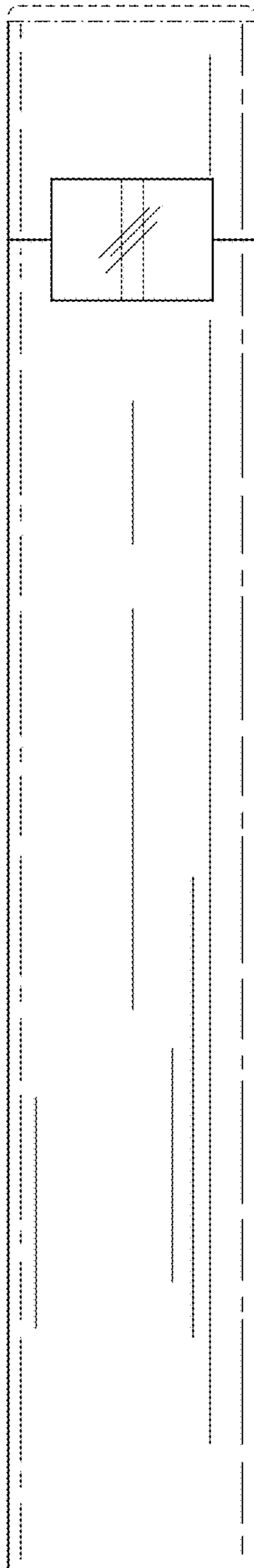


FIG.20



FIG.21