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(12) **United States Design Patent** (10) **Patent No.:** **US D943,160 S**
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(54) **VAPORIZER DEVICE**
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D260,690 S 9/1981 Stutzer
D267,590 S 1/1983 Varma
D271,255 S 11/1983 Rousseau
D280,494 S 9/1985 Abel
D299,066 S 12/1988 Newell et al.
4,811,731 A 3/1989 Newell et al.

(Continued)

FOREIGN PATENT DOCUMENTS

AU 2017202891 B2 5/2019
CN 1122213 A 5/1996

(Continued)

OTHER PUBLICATIONS

Vaporizer By : JUUL found on line Jan. 16, 2020 <https://tobaccoplusexpo.com/more-distance-between-altria-and-juul-labs-following-investment-writedown/> Jan. 30, 2020.*

(Continued)

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USPC D27/162, 100, 101, 163–165, 172, D27/174–176, 183, 185–194; D24/110, D24/110.5
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See application file for complete search history.

(57) **CLAIM**

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

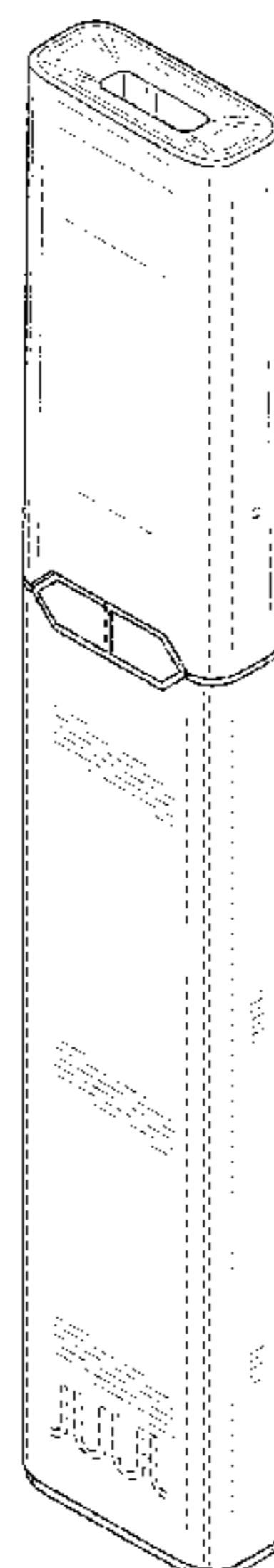
DESCRIPTION

FIG. 1 is a top, front, and right side perspective view of a vaporizer device of our design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

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

1 Claim, 3 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS
595,070 A 12/1897 Oldenbusch
D143,295 S 12/1945 Fisher
2,897,958 A 8/1959 Tarleton et al.
2,956,569 A 10/1960 Adams
3,723,048 A 3/1973 Russell
3,918,451 A 11/1975 Steil



(56)

References Cited

U.S. PATENT DOCUMENTS

D310,349 S	9/1990	Rowen	D687,042 S	7/2013	Yoneta et al.
D336,346 S	6/1993	Miller et al.	D688,415 S	8/2013	Kim
H1271 H	1/1994	Shouse	8,522,776 B2	9/2013	Wright et al.
5,479,948 A	1/1996	Counts et al.	D703,679 S	4/2014	Chen
D379,810 S	6/1997	Giordano, Jr. et al.	D703,680 S	4/2014	Lin
5,746,587 A	5/1998	Racine et al.	8,695,794 B2	4/2014	Scatterday
D397,504 S	8/1998	Zelenik	8,707,965 B2	4/2014	Newton
D405,007 S	2/1999	Naas, Sr.	D704,629 S	5/2014	Liu
D422,884 S	4/2000	Lafond	D707,688 S	6/2014	Wu
D450,313 S	11/2001	Koinuma	D711,389 S	8/2014	Sun et al.
D450,662 S	11/2001	Kwok	D711,891 S	8/2014	Emami et al.
D478,569 S	8/2003	Hussaini et al.	8,794,231 B2	8/2014	Thorens et al.
D478,897 S	8/2003	Tsuge	D718,492 S	11/2014	Albanese
6,743,030 B2	6/2004	Lin et al.	D718,723 S	12/2014	Clymer et al.
D500,301 S	12/2004	Deguchi	D718,933 S	12/2014	Brown, Jr.
D500,302 S	12/2004	Deguchi	D721,202 S	1/2015	Liu
D505,922 S	6/2005	Mayo et al.	8,955,522 B1	2/2015	Bowen et al.
D506,447 S	6/2005	Mayo et al.	D723,735 S	3/2015	Liu
D506,731 S	6/2005	Mayo et al.	D723,736 S	3/2015	Liu
D507,244 S	7/2005	Mayo et al.	D723,737 S	3/2015	Liu
D514,741 S	2/2006	Cohen Harel	D724,037 S	3/2015	Yoshioka
7,000,775 B2	2/2006	Gelardi et al.	D724,782 S	3/2015	Wu
D523,171 S	6/2006	Mitten et al.	D726,727 S	4/2015	Holz et al.
D525,948 S	8/2006	Blair et al.	D729,277 S	5/2015	Uchida
D528,992 S	9/2006	Hobart et al.	D729,441 S	5/2015	Hua
D529,044 S	9/2006	Andre et al.	D737,508 S	8/2015	Liu
D530,340 S	10/2006	Andre et al.	D738,038 S	9/2015	Smith
D531,190 S	10/2006	Lee et al.	D739,973 S	9/2015	Chao
D532,927 S	11/2006	Sann	D742,063 S	10/2015	Recio
D534,921 S	1/2007	Andre et al.	9,167,849 B2	10/2015	Adamic
D535,261 S	1/2007	Daniels	D745,004 S	12/2015	Kim
D535,308 S	1/2007	Andre et al.	D745,388 S	12/2015	Taylor
D539,813 S	4/2007	Chen	D749,261 S	2/2016	Chen
D540,749 S	4/2007	Kaule	D749,510 S	2/2016	Liu
7,214,075 B2	5/2007	He et al.	D750,320 S	2/2016	Verleur et al.
D545,303 S	6/2007	Chang	D752,278 S	3/2016	Verleur et al.
D545,490 S	6/2007	Tai	D752,280 S	3/2016	Verleur et al.
D545,904 S	7/2007	Chen et al.	D752,282 S	3/2016	Doster
D546,782 S	7/2007	Poulet et al.	D752,284 S	3/2016	Doster
7,275,941 B1	10/2007	Bushby	D753,090 S	4/2016	Langhammer et al.
D556,154 S	11/2007	Poulet et al.	D755,733 S	5/2016	Ikegaya et al.
D558,060 S	12/2007	Šir et al.	D755,735 S	5/2016	Kashimoto
7,318,435 B2	1/2008	Pentafragas	D756,032 S	5/2016	Chen
D566,709 S	4/2008	Kim et al.	D757,690 S	5/2016	Lee et al.
D568,298 S	5/2008	Lundgren et al.	D758,650 S	6/2016	Wu
D571,556 S	6/2008	Raile	D759,031 S	6/2016	Ozolins et al.
D573,464 S	7/2008	Kogure et al.	D760,431 S	6/2016	Liu
D576,619 S	9/2008	Udagawa et al.	D762,001 S	7/2016	Liu
D577,019 S	9/2008	Udagawa et al.	D763,203 S	8/2016	Ikegaya et al.
D585,077 S	1/2009	Sheba et al.	D763,204 S	8/2016	Ikegaya et al.
D589,941 S	4/2009	Maier et al.	D764,703 S	8/2016	Liu
D591,758 S	5/2009	Lee	D766,873 S	9/2016	Washio
7,644,823 B2	1/2010	Gelardi et al.	D768,920 S	10/2016	Jones et al.
D610,588 S	2/2010	Chen	D769,830 S	10/2016	Clymer et al.
D616,753 S	6/2010	Beam et al.	D770,395 S	11/2016	Clymer et al.
D624,880 S	10/2010	Felegy, Jr. et al.	D772,478 S	11/2016	Liu
D627,962 S	11/2010	Mudrick	D773,114 S	11/2016	Leidel et al.
D631,055 S	1/2011	Gilbert et al.	D773,391 S	12/2016	Haarburger et al.
D631,458 S	1/2011	Liao et al.	D773,727 S	12/2016	Eksouzian
D634,735 S	3/2011	Maier	D774,247 S	12/2016	Chen
D639,303 S	6/2011	Ni et al.	D774,514 S	12/2016	Turksu et al.
D639,782 S	6/2011	Kim	D774,693 S	12/2016	Liu
D641,718 S	7/2011	Sakai	D775,413 S	12/2016	Liu
D645,817 S	9/2011	Sasada et al.	D776,338 S	1/2017	Lomeli
D647,101 S	10/2011	Huang	9,549,573 B2	1/2017	Monsees et al.
D656,496 S	3/2012	Andre et al.	D778,492 S	2/2017	Liu
D664,636 S	7/2012	Robinson et al.	D779,677 S	2/2017	Chen
D669,530 S	10/2012	Hung	D779,719 S	2/2017	Qiu
D670,659 S	11/2012	Ishikawa et al.	D780,179 S	2/2017	Bae et al.
D675,777 S	2/2013	Wu	9,596,887 B2	3/2017	Newton
D676,741 S	2/2013	van Landsveld et al.	9,603,390 B2	3/2017	Li et al.
8,371,709 B2	2/2013	Cheng	D784,609 S	4/2017	Liu
D681,445 S	5/2013	van Landsveld et al.	D792,021 S	7/2017	Beer et al.
D682,841 S	5/2013	Suetake et al.	D792,643 S *	7/2017	Wong D27/101
D686,987 S	7/2013	Vanstone et al.	D793,004 S	7/2017	Liu
			D793,620 S	8/2017	Bennett et al.
			9,723,877 B2	8/2017	Wong et al.
			D799,110 S *	10/2017	Qiu D27/101
			D799,113 S *	10/2017	Qiu D27/101

(56)

References Cited

U.S. PATENT DOCUMENTS

D799,746 S 10/2017 Leidel et al.
 D802,206 S 11/2017 Huang et al.
 D806,311 S 12/2017 Smith
 D811,003 S 2/2018 Folyan
 D815,346 S 4/2018 Bagai
 9,956,357 B2 5/2018 Chen
 D819,881 S 6/2018 Qiu
 D822,896 S 7/2018 Durand
 D825,102 S * 8/2018 Bowen D27/167
 1,004,556 A1 8/2018 Monsees et al.
 1,005,812 A1 8/2018 Monsees et al.
 10,058,124 B2 8/2018 Monsees et al.
 D829,371 S 9/2018 Durand
 D829,980 S 10/2018 Qiu
 D832,499 S 10/2018 Qiu
 D832,500 S 10/2018 Qiu
 D834,702 S 11/2018 Evans et al.
 D836,190 S 12/2018 Evans et al.
 D836,831 S 12/2018 Cividi
 D836,834 S 12/2018 Cividi
 D837,446 S 1/2019 Durand
 D842,237 S 3/2019 Qiu et al.
 D842,536 S 3/2019 Bowen et al.
 D843,644 S 3/2019 Qiu
 D844,235 S 3/2019 Cividi
 D845,964 S 4/2019 Kim et al.
 D855,251 S 7/2019 Qiu et al.
 D858,868 S 9/2019 Bowen et al.
 D858,869 S 9/2019 Bowen et al.
 D858,870 S 9/2019 Bowen et al.
 D859,735 S * 9/2019 Qiu D27/162
 D860,519 S 9/2019 Cividi
 D860,520 S 9/2019 Cividi
 D861,975 S * 10/2019 Bowen D27/162
 D865,276 S 10/2019 Pino et al.
 D866,852 S 11/2019 Cividi
 D877,971 S * 3/2020 Bowen D27/101
 D894,479 S * 8/2020 Cheung D27/162
 D895,197 S * 9/2020 Cheung D27/101
 D902,474 S * 11/2020 Chen D27/101
 D903,192 S 11/2020 Chang et al.
 D903,937 S * 12/2020 Chimbuya D27/162
 D903,938 S * 12/2020 Chimbuya D27/162
 D904,682 S * 12/2020 Kim D27/162
 D904,683 S * 12/2020 Kim D27/162
 D905,330 S * 12/2020 Kim D27/162
 2001/0032643 A1 10/2001 Hochrainer et al.
 2002/0043262 A1 4/2002 Langford et al.
 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
 2005/0252511 A1 11/2005 Pentafragas
 2005/0268911 A1 12/2005 Cross et al.
 2006/0196518 A1 9/2006 Hon
 2007/0089757 A1 4/2007 Bryman
 2007/0229025 A1 10/2007 Tsai et al.
 2008/0023003 A1 1/2008 Rosenthal
 2009/0151717 A1 6/2009 Bowen et al.
 2009/0260641 A1 10/2009 Monsees et al.
 2009/0260642 A1 10/2009 Monsees et al.
 2009/0272379 A1 11/2009 Thorens et al.
 2010/0307116 A1 12/2010 Fisher
 2010/0313901 A1 12/2010 Fernando et al.
 2011/0125146 A1 5/2011 Greeley et al.
 2011/0265806 A1 11/2011 Alarcon et al.
 2012/0018529 A1 1/2012 Gammon et al.
 2012/0325227 A1 12/2012 Robinson et al.
 2013/0042865 A1 2/2013 Monsees et al.
 2013/0220847 A1 8/2013 Fisher et al.
 2013/0228191 A1 9/2013 Newton
 2013/0312742 A1 11/2013 Monsees et al.
 2014/0021190 A1 1/2014 Sardar
 2015/0034104 A1 2/2015 Zhou
 2015/0034507 A1 2/2015 Liu

2015/0053217 A1 2/2015 Steingraber et al.
 2015/0102777 A1 4/2015 Cooper
 2015/0114410 A1 4/2015 Doster
 2015/0122252 A1 5/2015 Frija
 2015/0128967 A1 5/2015 Robinson et al.
 2015/0128971 A1 5/2015 Verleur et al.
 2015/0128972 A1 5/2015 Verleur et al.
 2015/0128976 A1 5/2015 Verleur et al.
 2015/0157056 A1 6/2015 Bowen et al.
 2015/0189919 A1 7/2015 Liu
 2015/0208729 A1 7/2015 Monsees et al.
 2015/0245654 A1 9/2015 Memari et al.
 2015/0282530 A1 10/2015 Johnson et al.
 2015/0305409 A1 10/2015 Verleur et al.
 2015/0313287 A1 11/2015 Verleur et al.
 2015/0327596 A1 11/2015 Alarcon et al.
 2015/0328415 A1 11/2015 Minskoff et al.
 2015/0374039 A1 12/2015 Zhu
 2016/0007654 A1 1/2016 Zhu
 2016/0095355 A1 4/2016 Hearn
 2016/0095356 A1 4/2016 Chan
 2016/0113323 A1 4/2016 Liu
 2016/0121058 A1 5/2016 Chen
 2016/0134143 A1 5/2016 Liu
 2016/0143358 A1 5/2016 Zhu
 2016/0150824 A1 6/2016 Memari et al.
 2016/0166564 A1 6/2016 Myers et al.
 2016/0167846 A1 6/2016 Zahr et al.
 2016/0174611 A1 6/2016 Monsees et al.
 2016/0192707 A1 7/2016 Li et al.
 2016/0227841 A1 8/2016 Li et al.
 2016/0270446 A1 9/2016 Shenkal et al.
 2016/0278436 A1 9/2016 Verleur et al.
 2016/0295913 A1 10/2016 Guo et al.
 2016/0324211 A1 11/2016 Yankelevich
 2016/0331912 A1 11/2016 Trzeciecki
 2016/0345626 A1 12/2016 Wong et al.
 2016/0353805 A1 12/2016 Hawes et al.
 2016/0360789 A1 12/2016 Hawes et al.
 2016/0366943 A1 12/2016 Li et al.
 2016/0366947 A1 12/2016 Monsees et al.
 2016/0374399 A1 12/2016 Monsees et al.
 2017/0000190 A1 1/2017 Wu
 2017/0013875 A1 1/2017 Schennum et al.
 2017/0035115 A1 2/2017 Monsees et al.
 2017/0042246 A1 2/2017 Lau et al.
 2017/0049153 A1 2/2017 Guo et al.
 2017/0065001 A1 3/2017 Li et al.
 2017/0071256 A1 3/2017 Verleur et al.
 2017/0095005 A1 4/2017 Monsees et al.
 2017/0119044 A1 5/2017 Oligschlaeger et al.
 2017/0119060 A1 5/2017 Li et al.
 2017/0150754 A1 6/2017 Lin
 2017/0181471 A1 6/2017 Phillips et al.
 2017/0196264 A1 7/2017 Liu
 2017/0197046 A1 7/2017 Buchberger
 2017/0202265 A1 7/2017 Hawes et al.
 2017/0208863 A1 7/2017 Davis et al.
 2017/0215478 A1 8/2017 Harrison et al.
 2017/0231280 A1 8/2017 Anton
 2017/0231281 A1 8/2017 Hatton et al.
 2017/0231282 A1 8/2017 Bowen et al.
 2017/0233114 A1 8/2017 Christensen et al.
 2017/0258142 A1 9/2017 Hatton et al.
 2017/0259170 A1 9/2017 Bowen et al.
 2017/0302324 A1 10/2017 Stanimirovic et al.
 2017/0360092 A1 12/2017 Althorpe et al.
 2018/0070649 A1 3/2018 Monsees et al.
 2018/0103686 A1 4/2018 Monsees et al.
 2018/0140005 A1 5/2018 Lin et al.
 2018/0140015 A1 5/2018 Carroll et al.
 2018/0177234 A1 6/2018 Lee

FOREIGN PATENT DOCUMENTS

CN 101869356 A 10/2010
 CN 301485739 3/2011
 CN 301547686 5/2011
 CN 301753038 12/2011

(56)

References Cited

FOREIGN PATENT DOCUMENTS

CN	301797114	1/2012
CN	301955679	6/2012
CN	301970169	6/2012
CN	202890462 U	4/2013
CN	302396126	4/2013
CN	103141944 A	6/2013
CN	302485056	6/2013
CN	203087525 U	7/2013
CN	302799554	4/2014
CN	302810246	4/2014
CN	302859209	6/2014
CN	302884434	8/2014
CN	302926289	8/2014
CN	302950830	9/2014
CN	303044212	12/2014
CN	303091330	1/2015
CN	303091331	1/2015
CN	303103390	2/2015
CN	303103391	2/2015
CN	303210086	5/2015
CN	204466899 U	7/2015
CN	303332720	8/2015
CN	104983076 A	10/2015
CN	303103389	11/2015
CN	303457556	11/2015
CN	303568163	1/2016
CN	303574274	1/2016
CN	303686002	5/2016
CN	303721535	6/2016
CN	205390306 U	7/2016
CN	304067430	3/2017
CN	305335803	9/2019
EM	002626416-001	4/2015
EM	002626416-002	4/2015
EP	3015010 A1	5/2016
EP	3031339 A1	6/2016
EP	3103356 A1	12/2016
EP	3111787 A1	1/2017
EP	3143882 A2	3/2017
EP	3158881 A1	4/2017
JP	D1144098	6/2002
JP	D1599406	3/2018
JP	D1613382	9/2018
KR	30-0825216	11/2015
KR	300975375000	10/2018
TW	201805033 A	2/2018
TW	201815301 A	5/2018
WO	WO-D079112-0010	12/2012
WO	WO-2013044537 A1	4/2013
WO	WO-2013068100 A1	5/2013
WO	WO-2013113612 A1	8/2013
WO	WO-2014040915 A1	3/2014
WO	WO-2015073564 A1	5/2015
WO	WO-2015157900 A1	10/2015
WO	WO-2015190810 A1	12/2015
WO	WO-2016023173 A1	2/2016
WO	WO-2016123779 A1	8/2016
WO	WO-2016127839 A1	8/2016
WO	WO-2016177604 A1	11/2016
WO	WO-2016201606 A1	12/2016
WO	WO-2017007252 A1	1/2017
WO	WO-2017045132 A1	3/2017
WO	WO-2017046247 A1	3/2017
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.

Cedar Board by the home depot. earliest review dated Sep. 7, 2016. found online [Mar. 19, 2019] <https://www.homedepot.com/p/1-in-x-4-in-x-8-ft-S1S2E-Cedar-Board-6-Pack-WRC148T6PK/300194383>.

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 1JUUL Pod 1JUUL Vapor, Posted Jun. 3, 2015, Juulvapor.com <<http://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.

German Straight Razor box by rainbowedebay on ebay. dated May 11, 2012. found online [Mar. 22, 2019] <https://www.bing.com/videos/search?q=straight+razor+cardboard+box&&view=detail&nnid=4EFBC9664DDFEA73A2974EFBC9664DDFEA73A297&&FORM=VRD GAR>.

iWand Rectangular Pen Shape Design Flat Short Mouth Holder 1.0ML Tank Atomizer LED Display 800mAh Rechargeable E-Cigarette Set—Colorful, tDIUYIY,f,1,111111LcZnllLtf2ILgllLrl111112,111, accessed Jan. 25, 2019. (3 pages).

Joye eGo-Tank System XXL 1000mAh Starter Kit, htos://www_rnyva Do mt.° re "co mieGo-Ta ri k-Syst(.

Making a box for my Straight Razor by Mr. Mars Experience. dated Jan. 22, 2014. found online [Mar. 19, 2019] <https://www.youtube.com/watch?v=Z7iAx2QoKDO>.

Model Io iWand, httqfLily.LyagL.IDA2,lt.:22.,ajar.c.Z.21,2aLf25.:Q., 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.

Pentel Multi Color Led Refill by Pentel on Amazon. earliest review dated Nov. 7, 2014. found online [Mar. 22, 2019] https://www.amazon.com/Pentel-Multi-Refill-Violet-CH2-V/product-reviews/BOOKQTBPCW/ref=cnn_cr_dp_d_show_all_btn?ie=UTF8&reviewerType=all_reviews.

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.

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).

Super Strong Rare Earth Neodymium Magnet by besttoo12019. sale date Nov. 15, 2018. found online [Mar. 19, 2019] <https://www.ebay.com/itm/1-100pcs-Super-Stronp-Cylinder-Round-Disc-Rare-Earth-Neodynniunn-Magnet-Recovery-/192735524770?oid=<https://www.ebay.com/itm/1-100pcs-Super-Strong-Cylinder-Round-Disc-Rare-Earth-Neodynniunn-Magnet-Recovery-/192735524770?oid=>282266850205>.

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/. 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-j> <<https://www.theverge.com/2015/4/21/8458629/pax-labs-e-cigarette-j>> u u l.

VapeWorld; Original PAX Vaporizers for Portable and Home e; retrieved from: <[https://www.vapeworld.com/pax-vaporizer-by-ploom?gclid=CPCi1PKojskCFUO6gQodPr](https://www.vapeworld.com/pax-vaporizer-by-ploom?gclid=CPCi1PKojskCFUO6gQodPr;)> 9 pgs.; retrieved Nov. 13, 2015.

Walnut and cocobolo razor coffin pics by scrapcan. dated Aug. 9, 2010. found online [Mar. 20, 2019] <https://sharprazorpalace.com/show-tell/57238-walnut-cocobolo-razor-coffin-pics.html>.

WSP Traditional Straight Razor Coffin by WSP. earliest review dated Jul. 7, 2015. found online [Mar. 18, 2019] www.amazon.com/VVSP-Traditional-Straight-Razor-Coffin/dp/

(56)

References Cited

OTHER PUBLICATIONS

BOOFL2R4BA/ref=sr_<<https://www.amazon.com/VVSP-Traditional-Straight-Razor-Coffin/dp/BOOFL2R4BA/ref=sr?keywords=traditional+straight+razor+case&qid=1552936047&s=gateway&sr=8-53>>

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

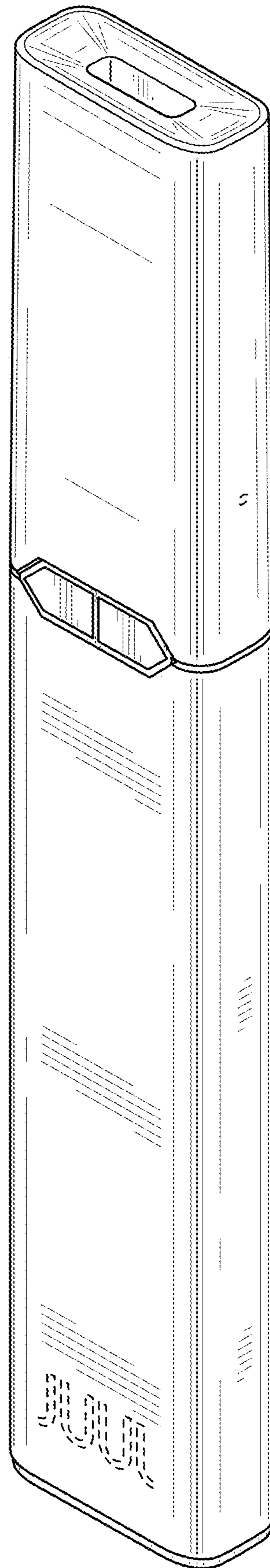


FIG. 1

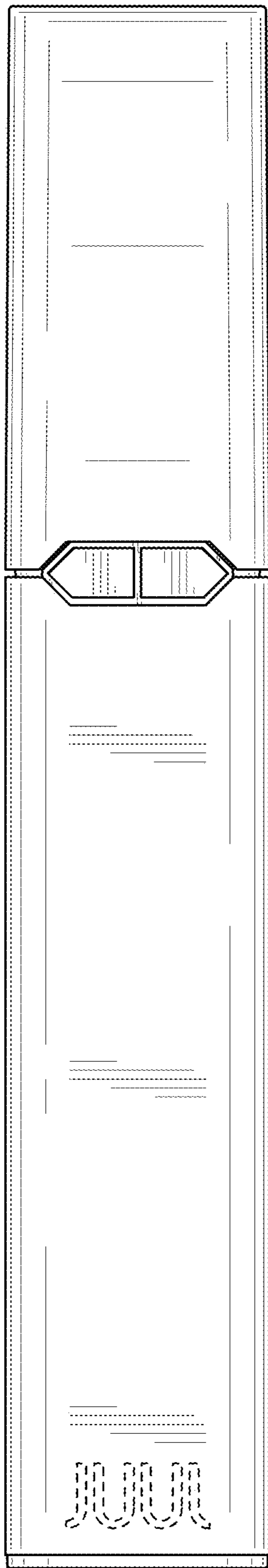


FIG. 2

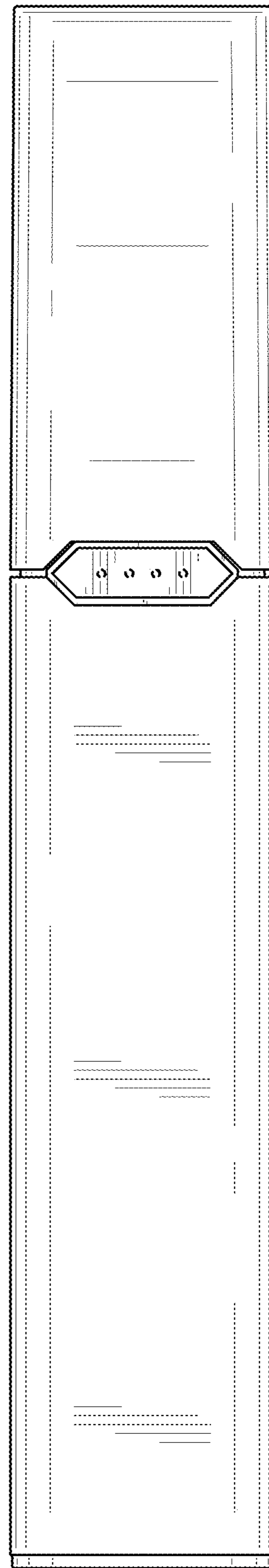


FIG. 3

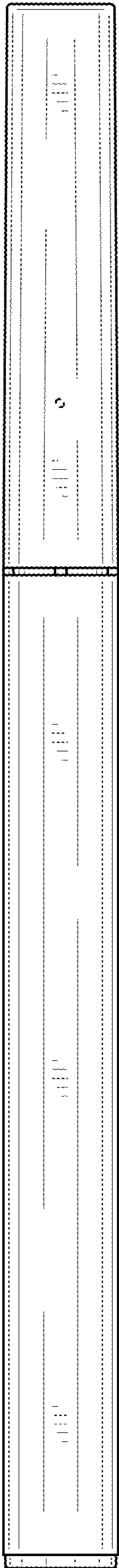


FIG. 4

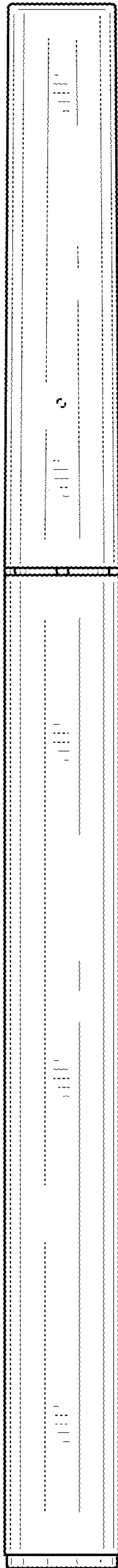


FIG. 5

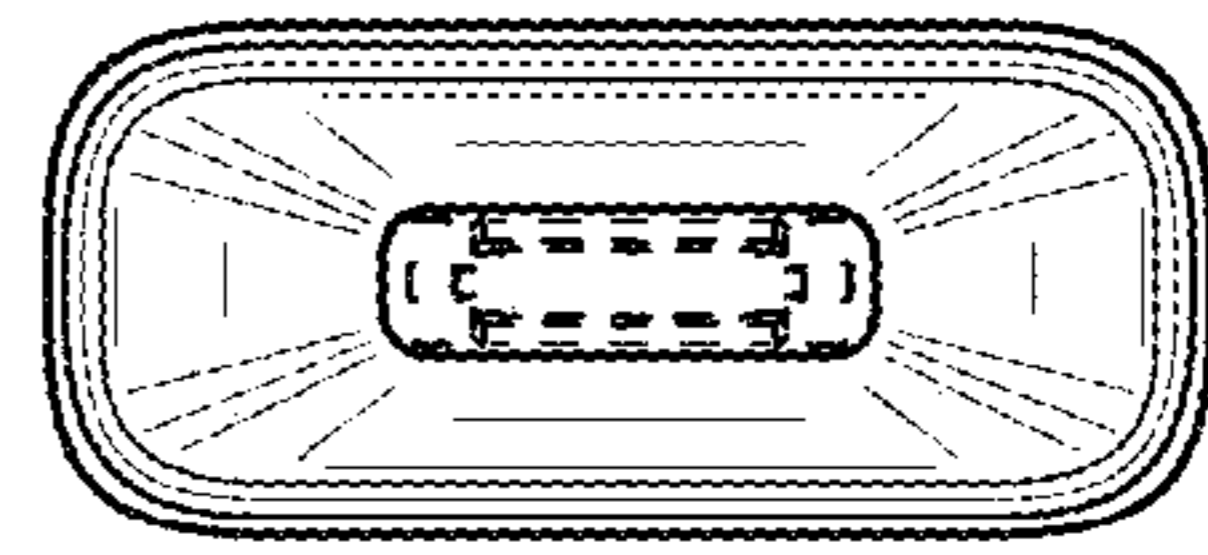


FIG. 6

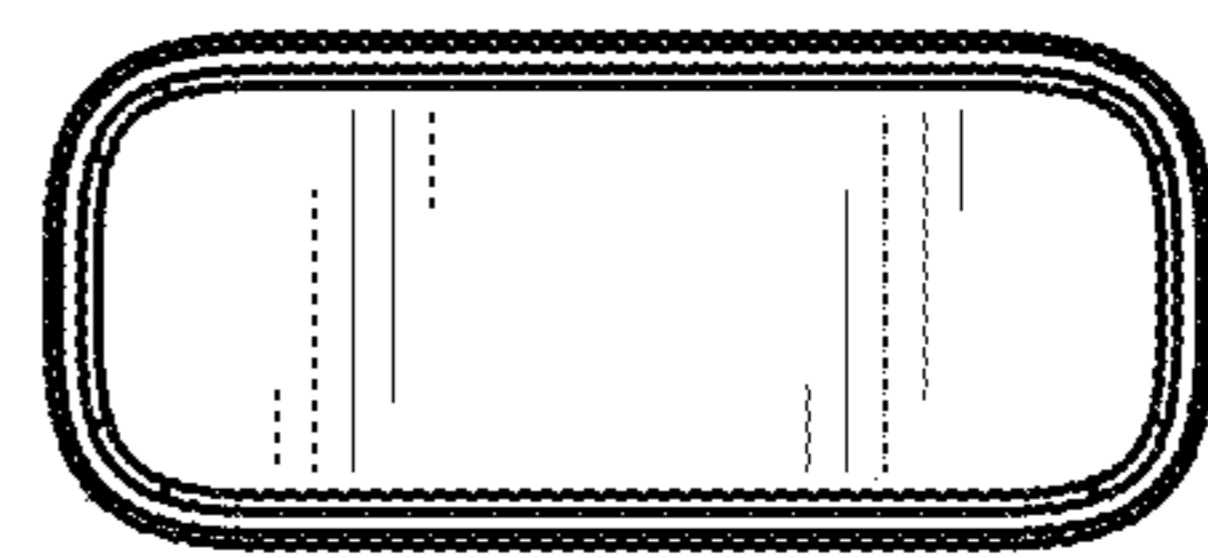


FIG. 7