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

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(54) **ELECTRONIC VAPING DEVICE**

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Related U.S. Application Data

- (63) Continuation of application No. 29/575,883, filed on
Aug. 30, 2016, now abandoned, which is a
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- (51) **LOC (14) Cl.** **27-02**
- (52) **U.S. Cl.**
USPC **D27/162**
- (58) **Field of Classification Search**
USPC D27/162, 100, 101, 163–165, 172, 183,
D27/185–194; D24/110, 100.5; D9/445,
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(56) **References Cited**

U.S. PATENT DOCUMENTS

- D112,702 S 12/1938 Kirsten
- D127,009 S 5/1941 Gebhart et al.

(Continued)

FOREIGN PATENT DOCUMENTS

- CN 1575673 A 2/2005
- CN 302311408 1/2013

(Continued)

OTHER PUBLICATIONS

Vaping Device By: JUUL found on line (Jan. 25, 2022) <https://www.nextgenerationvillage.com/drugs/vaping/faq/are-vaping-and-juuling-the-same/> (2018).*

(Continued)

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(57) **CLAIM**

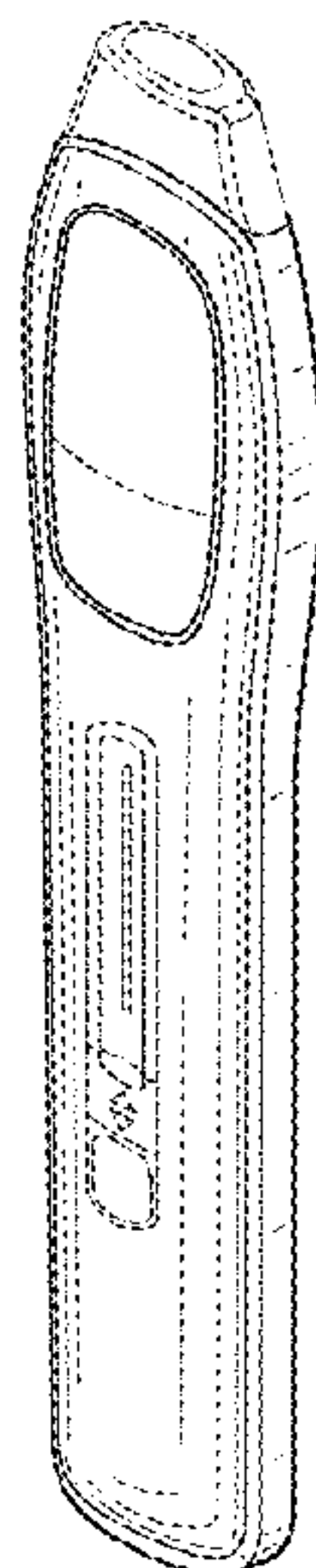
The ornamental design for an electronic vaping device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an electronic vaping device;
 FIG. 2 is a rear perspective view of the electronic vaping device of FIG. 1;
 FIG. 3 is a front elevation view of the electronic vaping device of FIG. 1;
 FIG. 4 is a rear elevation view of the electronic vaping device of FIG. 1;
 FIG. 5 is a left side elevation view of the electronic vaping device of FIG. 1;
 FIG. 6 is a right side elevation view of the electronic vaping device of FIG. 1;
 FIG. 7 is a top plan view of the electronic vaping device of FIG. 1; and,
 FIG. 8 is a bottom plan view of the electronic vaping device of FIG. 1.

The broken lines in the drawings depict portions of the electronic vaping device that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



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continuation-in-part of application No. 14/998,020,
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- (58) **Field of Classification Search**
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See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D176,226 S 11/1955 Morris
D217,841 S 6/1970 Bulger et al.
3,986,516 A 10/1976 Brooks
3,998,232 A 12/1976 Smith
4,686,353 A 8/1987 Spector
D292,324 S 10/1987 Decker et al.
D301,618 S 6/1989 Barros
D317,407 S 6/1991 Gray et al.
D367,608 S 3/1996 Stranders
D368,552 S 4/1996 Adams
D373,536 S 9/1996 Kokenge et al.
5,666,977 A 9/1997 Higgins et al.
D401,507 S 11/1998 Gonda et al.
D422,113 S 3/2000 Higgins et al.
D424,236 S 5/2000 Reed
D424,739 S 5/2000 Ross
D433,532 S 11/2000 Higgins et al.
D433,744 S 11/2000 Basaganas
D438,459 S 3/2001 Holthaus
D446,499 S 8/2001 Andre et al.
D484,806 S 1/2004 Cummings
D522,272 S 6/2006 Vanhee
D527,640 S 9/2006 Cummings et al.
D532,927 S 11/2006 Sann
D532,972 S 12/2006 Dixon
D544,956 S 6/2007 Collins et al.
D546,940 S 7/2007 Collins et al.
D547,440 S 7/2007 Louet-Feisser
D547,859 S 7/2007 Choi
D552,230 S 10/2007 Collins et al.
D552,232 S 10/2007 Collins et al.
D552,730 S 10/2007 Collins et al.
D562,761 S 2/2008 Ueda et al.
D569,794 S 5/2008 Zhang et al.
D577,150 S 9/2008 Bryman et al.
D579,544 S 10/2008 Birath et al.
D579,545 S 10/2008 Birath et al.
D579,547 S 10/2008 Birath et al.
D579,549 S 10/2008 Birath et al.
D588,741 S 3/2009 Murdaugh, III et al.
7,699,052 B2 4/2010 Schiewe et al.
7,753,055 B2 7/2010 Bryman
D623,129 S 9/2010 Kawakami et al.
D629,154 S 12/2010 Sung
D643,807 S 8/2011 Jiang
D649,708 S 11/2011 Oneil
D650,520 S 12/2011 Timmermans
D650,737 S 12/2011 Hamilton
D654,160 S 2/2012 Yomtov
8,205,622 B2 6/2012 Pan
D663,686 S 7/2012 Yang
D664,920 S 8/2012 Huang
D665,346 S 8/2012 Kumagai et al.
D665,734 S 8/2012 Fitch et al.
D672,714 S 12/2012 Brandys et al.
D682,197 S 5/2013 Leung
D683,626 S 6/2013 Beck et al.
D686,153 S 7/2013 Qu
D689,818 S 9/2013 Sasada
8,528,569 B1 9/2013 Newton
8,550,069 B2 10/2013 Alelov
D693,053 S 11/2013 Chen
D694,468 S 11/2013 Chen
8,689,804 B2 4/2014 Fernando et al.
8,707,965 B2 4/2014 Newton

D705,719 S 5/2014 Wong
8,820,330 B2 9/2014 Bellinger et al.
D718,492 S 11/2014 Albanese
D720,094 S 12/2014 Alima
D720,497 S 12/2014 Alima
D720,884 S 1/2015 Liu
D723,215 S 2/2015 Chen
D723,216 S 2/2015 Chen
8,955,522 B1 2/2015 Bowen et al.
D725,310 S 3/2015 Eksouzian
D725,588 S 3/2015 Iaconis et al.
8,977,115 B2 3/2015 Penman, Jr.
D727,566 S 4/2015 Xiao
D728,855 S 5/2015 Liu
D729,444 S 5/2015 Leidel
D729,445 S 5/2015 Leidel
D730,282 S 5/2015 Miller et al.
D730,572 S 5/2015 Leidel
D731,114 S 6/2015 Leidel
D733,050 S 6/2015 Chiang
D733,744 S 7/2015 Capela et al.
9,072,321 B2 7/2015 Liu
D736,090 S 8/2015 Kikuchi
9,095,175 B2 8/2015 Terry et al.
D738,038 S 9/2015 Smith
D743,099 S 11/2015 Oglesby
D748,325 S 1/2016 Leidel
D750,321 S 2/2016 Chen
9,247,773 B2 2/2016 Memari et al.
D751,984 S 3/2016 Lin
D752,284 S 3/2016 Doster
D752,286 S 3/2016 Doster
D753,336 S 4/2016 Chen
9,301,545 B2 4/2016 Li et al.
D758,004 S 5/2016 Freshwater et al.
D758,651 S 6/2016 Wu
D758,655 S 6/2016 Freshwater et al.
D758,656 S 6/2016 Freshwater et al.
D759,303 S 6/2016 Afridi
D760,429 S 6/2016 Emarlou
D760,645 S 7/2016 Chen
D760,948 S 7/2016 Eksouzian
D761,999 S 7/2016 Liu
D762,003 S 7/2016 Lomeli
D764,703 S 8/2016 Liu
D767,821 S 9/2016 Clark et al.
D768,068 S 10/2016 Chen
D769,520 S 10/2016 Hua
D770,678 S 11/2016 Shin
D771,308 S 11/2016 Saydar et al.
D771,867 S 11/2016 Leidel et al.
D772,477 S 11/2016 Shin
D772,480 S 11/2016 Hua
D773,114 S 11/2016 Leidel et al.
D773,115 S 11/2016 Liu
D773,116 S 11/2016 Liu et al.
9,498,000 B2 11/2016 Kuczaj
D774,247 S 12/2016 Chen
D775,414 S 12/2016 Ampolini et al.
D775,762 S 1/2017 Chen
D776,337 S 1/2017 Levin et al.
D776,338 S 1/2017 Lomeli
D776,869 S 1/2017 Heidi
D778,492 S 2/2017 Liu
D778,493 S 2/2017 Scott
D779,719 S 2/2017 Qiu
D780,373 S 2/2017 Bennett et al.
D784,610 S 4/2017 Bosch
D786,497 S 5/2017 Sudlow et al.
D788,362 S 5/2017 Qiu
D788,363 S 5/2017 Chen
D788,364 S 5/2017 Chen
D788,697 S 6/2017 Verleur et al.
D789,598 S 6/2017 Chen
D790,122 S 6/2017 Hawes et al.
D790,123 S 6/2017 Beer et al.
D790,124 S 6/2017 Beer et al.
D790,125 S 6/2017 Beer et al.
D790,766 S 6/2017 Li

(56)

References Cited

U.S. PATENT DOCUMENTS

D792,020 S	7/2017	Mendoza	10,609,958 B2	4/2020	Robinson et al.
D792,021 S	7/2017	Beer et al.	10,671,031 B2 *	6/2020	Hawes G05B 15/02
D792,643 S	7/2017	Wong et al.	10,701,981 B2 *	7/2020	Newcomb H05B 3/03
D792,644 S	7/2017	Jordan et al.	D919,172 S *	5/2021	Zu D27/162
D796,112 S	8/2017	Lafferty et al.	11,013,273 B2 *	5/2021	Newcomb A24F 40/40
D799,110 S	10/2017	Qiu	D929,651 S *	8/2021	Powell D27/162
D799,111 S	10/2017	Qiu	D936,279 S *	11/2021	Israel D27/162
D799,112 S	10/2017	Qiu	2005/0016550 A1	1/2005	Katase
D799,113 S	10/2017	Qiu	2005/0268911 A1	12/2005	Cross et al.
D799,743 S	10/2017	Qiu	2008/0023003 A1	1/2008	Rosenthal
D799,744 S	10/2017	Qiu	2008/0092912 A1	4/2008	Robinson et al.
D799,746 S	10/2017	Leidel et al.	2009/0266358 A1	10/2009	Sacristan Rock et al.
D799,748 S	10/2017	Freese	2009/0293888 A1	12/2009	Williams et al.
D799,749 S	10/2017	Freese	2009/0293892 A1	12/2009	Williams et al.
D800,377 S	10/2017	Liu	2011/0011396 A1	1/2011	Fang
D801,507 S	10/2017	Kelnhofner	2011/0036346 A1	2/2011	Cohen et al.
D802,834 S	11/2017	Mathias et al.	2011/0265806 A1	11/2011	Alarcon et al.
D802,839 S	11/2017	Scott	2011/0277760 A1	11/2011	Terry et al.
9,814,271 B2	11/2017	Goggin et al.	2012/0174914 A1	7/2012	Pirshafiey et al.
D804,717 S	12/2017	Wang et al.	2012/0318882 A1	12/2012	Abehasera
D805,685 S	12/2017	Lee	2013/0042865 A1	2/2013	Monsees et al.
9,833,021 B2	12/2017	Perez et al.	2013/0081642 A1	4/2013	Safari
D806,943 S	1/2018	Liu et al.	2013/0087160 A1	4/2013	Gherghe
D807,286 S	1/2018	Qiu	2013/0167853 A1	7/2013	Liu
D807,574 S	1/2018	Hawes et al.	2013/0182360 A1	7/2013	Stevens et al.
D807,576 S	1/2018	Liu et al.	2013/0192615 A1	8/2013	Tucker et al.
D807,577 S	1/2018	Ward et al.	2013/0213418 A1	8/2013	Tucker et al.
D807,818 S	1/2018	Mathias et al.	2013/0220315 A1	8/2013	Conley et al.
D808,071 S	1/2018	Folkerts et al.	2013/0284192 A1	10/2013	Peleg et al.
D808,073 S	1/2018	Leidel	2013/0298905 A1	11/2013	Levin et al.
D808,791 S	1/2018	Johnston et al.	2013/0327327 A1	12/2013	Edwards et al.
D808,792 S	1/2018	Jaggi et al.	2013/0340775 A1	12/2013	Juster et al.
D809,191 S	1/2018	Li	2013/0341218 A1	12/2013	Liu
D809,192 S	1/2018	Liu et al.	2014/0007891 A1	1/2014	Liu
9,861,135 B2	1/2018	Chen	2014/0096781 A1	4/2014	Sears et al.
D814,693 S	4/2018	Qiu	2014/0096782 A1	4/2014	Ampolini et al.
D815,347 S	4/2018	Jones et al.	2014/0107815 A1	4/2014	LaMothe
D816,895 S	5/2018	Ren	2014/0123989 A1	5/2014	LaMothe
D818,636 S	5/2018	Qiu	2014/0144453 A1	5/2014	Rimmermans
9,961,940 B2	5/2018	Anderson, Jr. et al.	2014/0150785 A1	6/2014	Capuano et al.
9,968,136 B1	5/2018	Bell	2014/0157583 A1	6/2014	Malik et al.
D819,880 S	6/2018	Qiu	2014/0174459 A1	6/2014	Ward et al.
D819,882 S	6/2018	Qiu	2014/0190830 A1	6/2014	Burstyn
D821,639 S	6/2018	Dai et al.	2014/0190830 A1	7/2014	Sturmer et al.
D821,640 S	6/2018	Qiu	2014/0202474 A1	7/2014	Peleg et al.
9,999,258 B2 *	6/2018	Newcomb A24F 40/40	2014/0224267 A1	8/2014	Levitz et al.
D822,271 S *	7/2018	Eksouzian D27/101	2014/0246035 A1	9/2014	Minskoff et al.
D822,272 S	7/2018	Miller et al.	2014/0251326 A1	9/2014	Terry et al.
D823,536 S	7/2018	Lai	2014/0253144 A1	9/2014	Novak, III et al.
10,028,532 B2	7/2018	Zhu	2014/0261408 A1	9/2014	DePiano et al.
10,028,537 B1 *	7/2018	Hawes H05B 3/12	2014/0261495 A1	9/2014	Novak, III et al.
10,058,124 B2	8/2018	Monsees et al.	2014/0270727 A1	9/2014	Ampolini et al.
D828,622 S	9/2018	Chen et al.	2014/0270730 A1	9/2014	DePiano et al.
D831,270 S	10/2018	Qiu	2014/0299137 A1	10/2014	Kieckbusch et al.
D832,501 S	10/2018	Qiu et al.	2014/0299141 A1	10/2014	Flick
10,085,481 B2	10/2018	Verleur et al.	2014/0338685 A1	11/2014	Amir
10,104,913 B2 *	10/2018	Lau A24F 40/46	2014/0345635 A1	11/2014	Rabinowitz et al.
D833,063 S	11/2018	Qiu	2014/0360517 A1	12/2014	Taggart et al.
D834,746 S	11/2018	Liu et al.	2014/0378790 A1	12/2014	Cohen
10,117,460 B2	11/2018	Sears et al.	2015/0013700 A1	1/2015	Liu
10,117,467 B2 *	11/2018	Hawes G06F 21/44	2015/0027455 A1	1/2015	Peleg et al.
D842,237 S	3/2019	Qiu et al.	2015/0040929 A1	2/2015	Hon
D844,232 S	3/2019	Qiu	2015/0053217 A1	2/2015	Steingraber et al.
D846,796 S	4/2019	Pan	2015/0075546 A1	3/2015	Kueny, Sr. et al.
D846,798 S	4/2019	Chen	2015/0082859 A1	3/2015	Xiang
10,299,517 B2 *	5/2019	Hawes H05B 1/0297	2015/0108019 A1	4/2015	Liu
D850,714 S	6/2019	Guo	2015/0114410 A1	4/2015	Doster
D852,409 S	6/2019	Takehara	2015/0128967 A1	5/2015	Robinson et al.
10,327,474 B2	6/2019	Hawes et al.	2015/0128971 A1	5/2015	Verleur et al.
D854,236 S	7/2019	Qiu	2015/0128976 A1	5/2015	Verleur et al.
D854,741 S	7/2019	Smith	2015/0136124 A1	5/2015	Aronie et al.
10,375,990 B2	8/2019	Lord	2015/0136158 A1	5/2015	Stevens et al.
10,485,269 B2 *	11/2019	Hawes A24F 40/40	2015/0142387 A1	5/2015	Alarcon et al.
10,492,541 B2 *	12/2019	Lau H05B 3/12	2015/0164430 A1	6/2015	Hu et al.
D874,059 S *	1/2020	Bailey D27/162	2015/0181934 A1	7/2015	Lyubomirskiy et al.
			2015/0189919 A1	7/2015	Liu
			2015/0208729 A1	7/2015	Monsees et al.
			2015/0237917 A1	8/2015	Lord
			2015/0237918 A1	8/2015	Liu

(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0257445	A1	9/2015	Henry, Jr. et al.	
2015/0282527	A1	10/2015	Henry, Jr.	
2015/0313287	A1	11/2015	Verleur et al.	
2015/0320116	A1	11/2015	Bleloch et al.	
2015/0328415	A1	11/2015	Minskoff et al.	
2015/0342256	A1	12/2015	Chen	
2015/0351456	A1	12/2015	Johnson et al.	
2015/0367366	A1	12/2015	Edwards et al.	
2015/0374039	A1	12/2015	Zhu	
2016/0000149	A1	1/2016	Scatterday	
2016/0029698	A1	2/2016	Xiang	
2016/0120218	A1	5/2016	Schennum et al.	
2016/0158782	A1	6/2016	Henry, Jr. et al.	
2016/0309787	A1*	10/2016	Hawes	A61M 15/06
2016/0309788	A1	10/2016	Hawes et al.	
2016/0345626	A1	12/2016	Wong et al.	
2016/0353805	A1	12/2016	Hawes et al.	
2016/0360789	A1	12/2016	Hawes et al.	
2017/0006918	A1	1/2017	Chen et al.	
2017/0042246	A1	2/2017	Lau et al.	
2017/0108840	A1	4/2017	Hawes et al.	
2017/0119044	A1	5/2017	Oligschlaeger et al.	
2017/0181470	A1	6/2017	Li	
2017/0208863	A1	7/2017	Davis et al.	
2017/0208864	A1	7/2017	Anderson, Jr. et al.	
2017/0215478	A1	8/2017	Harrison et al.	
2017/0215479	A1	8/2017	Kies	
2017/0245550	A1	8/2017	Freelander	
2017/0290371	A1	10/2017	Davis et al.	
2017/0360092	A1	12/2017	Althorpe et al.	
2017/0360098	A1	12/2017	Newcomb et al.	
2017/0367406	A1	12/2017	Schuler et al.	
2017/0367407	A1	12/2017	Althorpe et al.	
2017/0369219	A1	12/2017	Bailey et al.	
2018/0007954	A1	1/2018	Mishra et al.	
2018/0007967	A1	1/2018	Davis et al.	
2018/0013175	A1	1/2018	Liu	
2018/0020738	A1	1/2018	Qiu	
2018/0035715	A1	2/2018	Wu	
2018/0070638	A1	3/2018	Qiu	
2018/0084828	A1	3/2018	Phillips et al.	
2018/0084836	A1	3/2018	Perez et al.	
2018/0098571	A1	4/2018	Watson	
2018/0110943	A1	4/2018	Raichman	
2018/0116281	A1	5/2018	Anderson, Jr.	
2018/0132526	A1	5/2018	Davis et al.	
2018/0153219	A1	6/2018	Verleur et al.	
2018/0160739	A1	6/2018	Chen	
2018/0166238	A1	6/2018	Chen	
2018/0279682	A1	10/2018	Guo et al.	
2019/0008208	A1	1/2019	Cirillo et al.	
2021/0153548	A1*	5/2021	Twite	A24F 40/44
2021/0153564	A1*	5/2021	Hourmand	A61M 11/042
2021/0153567	A1*	5/2021	Twite	A24F 40/40
2021/0219621	A1*	7/2021	Parrott	G01F 1/696
2021/0219622	A1*	7/2021	Parrott	A24F 40/46

FOREIGN PATENT DOCUMENTS

CN	202738815	2/2013
CN	202890462	U 4/2013
CN	202919035	U 5/2013
CN	202919036	U 5/2013
CN	203087525	U 7/2013
CN	203341011	U 12/2013
CN	203446537	U 2/2014
CN	203457810	U 3/2014
CN	203646502	U 6/2014
CN	104026746	A 9/2014
CN	203841122	9/2014
CN	203841124	U 9/2014
CN	204234255	9/2014
CN	203851805	U 10/2014
CN	203986094	U 12/2014
CN	203986106	12/2014

CN	204104844	1/2015
CN	204146307	U 2/2015
CN	104432537	A 3/2015
CN	203828071	4/2015
CN	204259818	U 4/2015
CN	106820274	A 6/2017
CN	303417607	S 6/2017
CN	206413749	U 8/2017
EM	002337410-0013	11/2013
EP	0640297	A1 3/1995
EP	3285844	B1 7/2019
GB	2502164	A 11/2013
JP	2011505874	A 3/2011
JP	1421818	8/2011
JP	2016508743	A 3/2016
JP	1584539	S 8/2017
KR	2011-0006928	U 7/2011
KR	20130031550	A 3/2013
KR	101465034	11/2014
KR	101516309	3/2015
RU	00104198	7/2017
WO	WO-2009/079641	A2 6/2009
WO	WO-2013040193	A2 3/2013
WO	WO-2014/060267	A2 4/2014
WO	WO-2014/060269	A1 4/2014
WO	WO-2014/066730	A1 5/2014
WO	WO-2014/095737	A1 6/2014
WO	WO-2014/110119	A1 7/2014
WO	WO-2014/125483	A1 8/2014
WO	WO-2014/139609	A2 9/2014
WO	WO-2014-144678	A2 9/2014
WO	WO-2014207719	A1 12/2014
WO	WO-2015031836	3/2015
WO	WO-2015052513	A2 4/2015
WO	WO-2015/077645	A1 5/2015
WO	WO-2015/100361	A1 7/2015
WO	WO-2015/131991	A1 9/2015
WO	WO-2015/189556	A1 12/2015
WO	WO-2015/197165	A1 12/2015
WO	WO-2016/009202	A1 1/2016
WO	WO-2016/100368	A1 6/2016
WO	WO-2016/172023	A1 10/2016

OTHER PUBLICATIONS

Notice of Allowance for U.S. Appl. No. 16/746,001 dated Feb. 22, 2021.

United States Notice of Allowance for U.S. Appl. No. 29/677,918, dated Jul. 6, 2020.

European Office Action for corresponding European Application No. 18732954.5 dated Sep. 14, 2021.

U.S. Office Action dated Oct. 22, 2021 for corresponding U.S. Appl. No. 16/441,086.

Ukrainian Office Action for corresponding Application No. a201710002, dated Mar. 11, 2020, English translation thereof.

Eurasian Office Action for corresponding Application No. 201792100 dated Jun. 27, 2019.

United States Notice Of Allowance for U.S. Appl. No. 29/670,492, dated Sep. 30, 2019.

Eurasian Office Action dated Dec. 13, 2021 for corresponding Eurasian Application No. 201991581.

U.S. Notice of Allowance for corresponding U.S. Appl. No. 16/661,235 dated May 4, 2021.

Israeli Office Action dated Jun. 29, 2020 issued in Israeli Patent Application No. 255080. English translation has been provided.

United States Office Action for U.S. Appl. No. 16/395,614, dated Sep. 17, 2019.

U.S. Notice of Allowance dated Apr. 14, 2021 for corresponding U.S. Appl. No. 17/176,520.

Third Party Observation dated Jun. 9, 2021 for corresponding European Application No. 18732954.5.

Office Action for Malaysian Application No. PI 2017001565 dated Jun. 23, 2020.

This Might Just Be The First Great E-Cig, Wired, Apr. 21, 2015.

PAX Labs, Inc. Introduces Revolutionary Technologies with Powerful ECigarette JUUL, Business Wire, Apr. 21, 2015.

(56)

References Cited

OTHER PUBLICATIONS

Startup behind the Lambo of vaporizers just launched an intelligent e-cigarette, *The Verge*, Apr. 21, 2015.

Vaporization Startup Pax Labs Introduces Juul, Its Next Gen E-Cigarette, *Tech Crunch*, Apr. 21, 2015.

JWell Inova 1.0 Pod System (“Inova 1.0”), <https://www.youtube.com/watch?v=hTfwGal9LJM> and <https://www.vape.museum/vape/iwellinova-1-0-pod-system>.

JWell Inova 2.0 Pod System (“Inova 2.0”), https://www.youtube.com/watch?v=0RdshN5RAC8&fbclid=IwAR11_xU3VAVVZaKXoeDFqrCUXXOkpZCJil1oj3gRUhKII9vmp-gRFm0w9bA.

InnokiniTaste/iWand System (“Innokin”), <https://www.youtube.com/watch?v=5b8vU72buD8> (Video 1); <https://www.youtube.com/watch?v=ejjWtKu6HVM> (Video 2); <https://www.youtube.com/watch?v=zOaLmN2orbs> (Video 3); <https://www.youtube.com/watch?v=mz414d8MU20> (Video 4); Innokin User Manual.

iPh-8 E-Cigarette System (“iPh-8”), <https://www.youtube.com/watch?v=Y4Hg527EdF4>; <https://www.vape.museum/vape/iph-8-ecig>.

CPHS1 System/Kanger S1 System (“CPH-S1”), <https://www.youtube.com/watch?v=o6YeAZiNhs8>.

Ijoy SS Itop System (“Ijoy”), <https://web.archive.org/web/20130805124853/http://ijoycig.com/IJOY--ITOP400-p149.html>; and https://www.youtube.com/watch?v=Ch_xgzIFXwU&has_verified=1.

Examination Report for Israeli Application No. 2547628 dated Jan. 18, 2021 and English translation.

United States Notice of Allowance for corresponding U.S. Appl. No. 16/111,468, dated Apr. 18, 2019.

United States Office Action for corresponding U.S. Appl. No. 16/166,899, dated Apr. 18, 2019.

U.S. Notice of Allowance for corresponding U.S. Appl. No. 29/677,918 dated Apr. 15, 2020.

Modified Substantive Examination Adverse Report for Malaysian Patent Application No. PI 2017001568 dated Sep. 9, 2020.

U.S. Notice of Allowance for corresponding U.S. Appl. No. 29/677,918 dated Sep. 28, 2020.

Web address <http://www.my7s.com/faq>, 7’s electronic cigarettes, Electronic Vapor.

International Search Report dated Jun. 23, 2016, issued in corresponding International Application No. PCT/US2016/028048.

Written Opinion of the International Searching Authority dated Jun. 23, 2016, issued in corresponding International Application No. PCT/US2016/028048.

U.S. Office Action dated Jun. 5, 2017 for co-pending U.S. Appl. No. 14/998,020.

Viva—retrieved on Sep. 18, 2017 at https://cdn.shopify.com/s/files/1/1203/8500/products/viva-vaporizer-01_large.jpg?v=1480032844.

ALD—retrieved Sep. 18, 2017 at <https://ae01.alicdn.com/kf/HTB1gMOMPFXXXbdXpXXq6xXFXXXR/ALD-AMAZE-dry-herb-vaporizer-font-b-kit-b-font-smoke-herbal-electronic-cigarette-vaporizer-portable.jpg>.

International Search Report and Written Opinion for Application No. PCT/US2016/028048 dated Nov. 2, 2017.

Office Action for corresponding U.S. Appl. No. 14/998,020 dated Dec. 21, 2017.

Office Action for corresponding U.S. Appl. No. 15/334,989 dated Feb. 23, 2018.

Notice of Allowance for corresponding U.S. Appl. No. 15/601,365 dated Mar. 2, 2018.

VaporDNA by VaporDNA dated 2013-2018, found online <https://www.vapordna.com/SMPO-Ultra-Portable-Kit-p/smpoup.htm?Click=40939>.

Vype Bye Electronic Tobacconist dated 2018, found online <https://www.electrictobacconist.co.uk/vype-pebble-p7009>.

Notice of Allowance for corresponding U.S. Appl. No. 29/575,887 dated May 3, 2018.

Notice of Allowance for corresponding U.S. Appl. No. 29/575,883 dated May 3, 2018.

Notice of Allowance for corresponding U.S. Appl. No. 15/911,533 dated May 8, 2018.

Non-Final Office Action for corresponding U.S. Appl. No. 15/984,627 dated Jul. 12, 2018.

Notice of Allowance for corresponding U.S. Appl. No. 29/623,426 dated Jul. 19, 2018.

Notice of Allowance for corresponding U.S. Appl. No. 29/623,423 dated Jul. 24, 2018.

Office Action for corresponding U.S. Appl. No. 16/010,934 dated Aug. 7, 2018.

Notice of Allowance dated Aug. 29, 2018 issued in corresponding U.S. Appl. No. 29/575,881.

Office Action dated Sep. 11, 2018 issued in corresponding U.S. Appl. No. 29/575,895.

U.S. Office Action dated Sep. 11, 2018 issued in co-pending U.S. Appl. No. 29/575,895.

U.S. Office Action dated Oct. 4, 2018 for co-pending U.S. Appl. No. 16/111,468.

European Office Action dated Oct. 10, 2018 in corresponding Application No. 18178672.4.

Eurasian Office Action for corresponding Application No. a201911670, dated Apr. 13, 2020.

Office Action for Chinese Application No. 201680023188.9 dated Aug. 3, 2020 and English translation.

Eurasian Office Action for corresponding Application No. 201792100, dated Mar. 6, 2020, English translation thereof.

European Office Action dated Feb. 24, 2020 for corresponding European Application No. 18178672.4.

United States Notice of Allowance for U.S. Appl. No. 16/425,168, dated Mar. 11, 2020.

U.S. Notice of Allowance dated Feb. 4, 2021 for corresponding U.S. Appl. No. 16/887,147.

Extended European Search Report for Application No. 17885846.0-1004, dated Jul. 27, 2020.

Office Action for corresponding U.S. Appl. No. 16/746,001 dated Aug. 6, 2020.

Office Action for U.S. Appl. No. 16/661,235 dated Aug. 6, 2020.

Chinese Office Action and English translation thereof dated Jun. 2, 2021 for corresponding Chinese Application No. 201880033617.

United States Notice of Allowance for corresponding U.S. Appl. No. 16/166,899, dated Jul. 10, 2019.

United States Notice of Allowance for corresponding U.S. Appl. No. 16/111,468, dated Jul. 10, 2019.

United States Notice Of Allowance for corresponding U.S. Appl. No. 29/575,881, dated Jul. 17, 2019.

United States Notice of Allowance for U.S. Appl. No. 16/395,614, dated Nov. 5, 2019.

Chinese Office Action for corresponding Application No. 201680035173.4, dated Sep. 27, 2019, English translation thereof.

Chinese Office Action for corresponding Application No. 201680023188.9, dated Oct. 11, 2019, English translation thereof.

United States Office Action for corresponding U.S. Appl. No. 29/670,492 dated May 23, 2019.

Office Action for corresponding U.S. Appl. No. 16/441,086 dated May 7, 2021.

Eurasian Office Action for corresponding Application No. 201792097 dated May 7, 2019, English translation thereof.

Notice of Allowance for corresponding U.S. Appl. No. 29/677,918 dated Aug. 21, 2020.

Smokio, <http://www.premiumlifestyle.co.uk/products/smokio-smart-wireless-e-cigarette>, 2014.

Go Electronic Cigarette, “Igo 4Electronic Cigarette,” <http://www.electronic-cigarette.ie/Charger-iGO4>, Feb. 19, 2015.

International Search Report and Written Opinion dated Jul. 19, 2016.

International Preliminary Report on Patentability dated Oct. 24, 2017.

Parate, “Designing Efficient and Accurate Behavior-Aware Mobile Systems,” Doctoral Dissertations, University of Massachusetts-Amherst, 2014.

International Search Report and Written Opinion dated Mar. 29, 2018.

Office Action for U.S. Appl. No. 15/135,932 dated Mar. 14, 2018.

(56)

References Cited

OTHER PUBLICATIONS

Office Action for U.S. Appl. No. 15/135,932 dated Sep. 18, 2018.
Notice of Allowance for U.S. Appl. No. 15/135,932 dated Feb. 26, 2019.

Office Action for corresponding U.S. Appl. No. 29/575,881 dated Feb. 25, 2019.

U.S. Office Action for corresponding U.S. Appl. No. 29/575,895 dated Mar. 1, 2019.

United States Office Action for U.S. Appl. No. 16/425,168, dated Oct. 3, 2019.

Eurasian Office Action for corresponding Application No. 201991581 dated Apr. 13, 2021 and English translation thereof.

U.S. Notice of Allowance dated Oct. 27, 2020 for corresponding U.S. Appl. No. 29/677,918.

Notice of Allowance for U.S. Appl. No. 16/746,001 dated Jan. 27, 2021.

Notice of Allowance dated Feb. 24, 2022 issued in corresponding U.S. Appl. No. 16/441,086.

Israeli Office Action dated Feb. 9, 2022 for corresponding Israeli Application No. 254728, and English-language translation thereof.

U.S. Office Action dated Sep. 29, 2022 for corresponding U.S. Appl. No. 17/352,781.

Malaysian Modified Examination Adverse Report dated Sep. 30, 2022 for corresponding Malaysian patent application No. PI2019003725.

U.S. Notice of Allowance dated Nov. 30, 2022 for corresponding U.S. Appl. No. 17/352,781.

* cited by examiner

FIG. 1

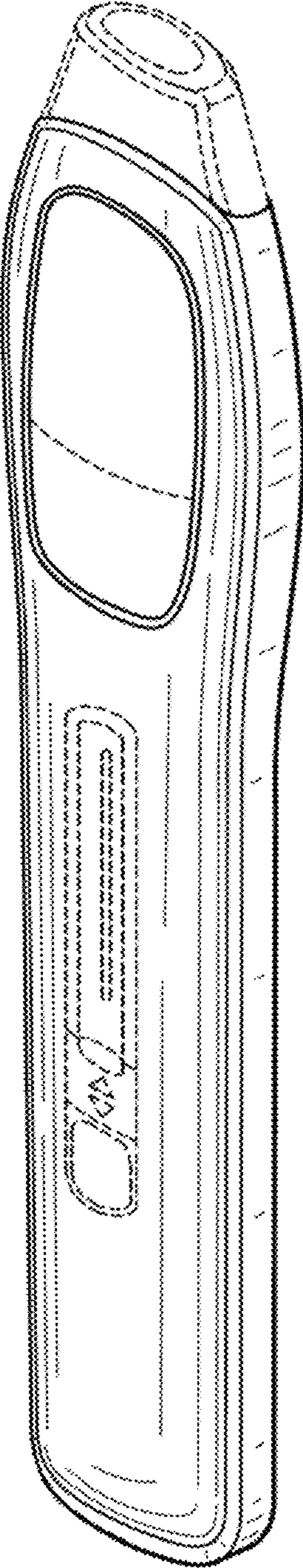


FIG. 2

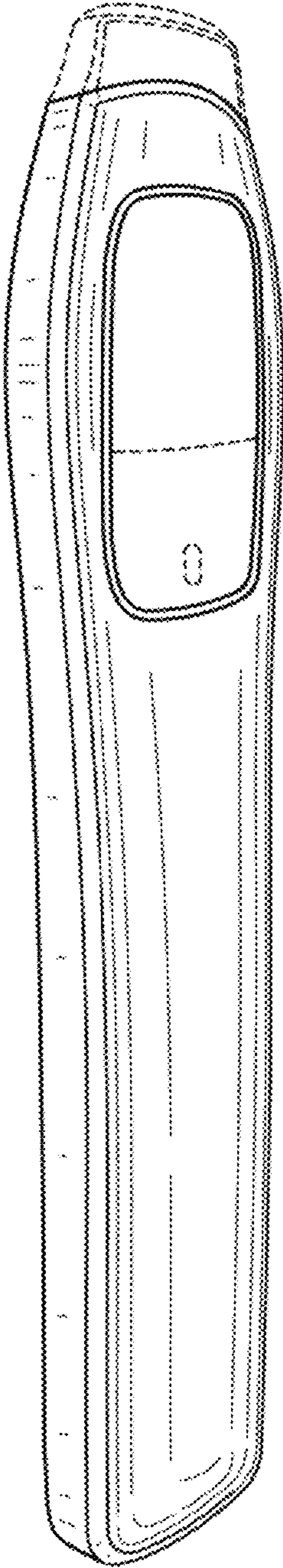


FIG. 3

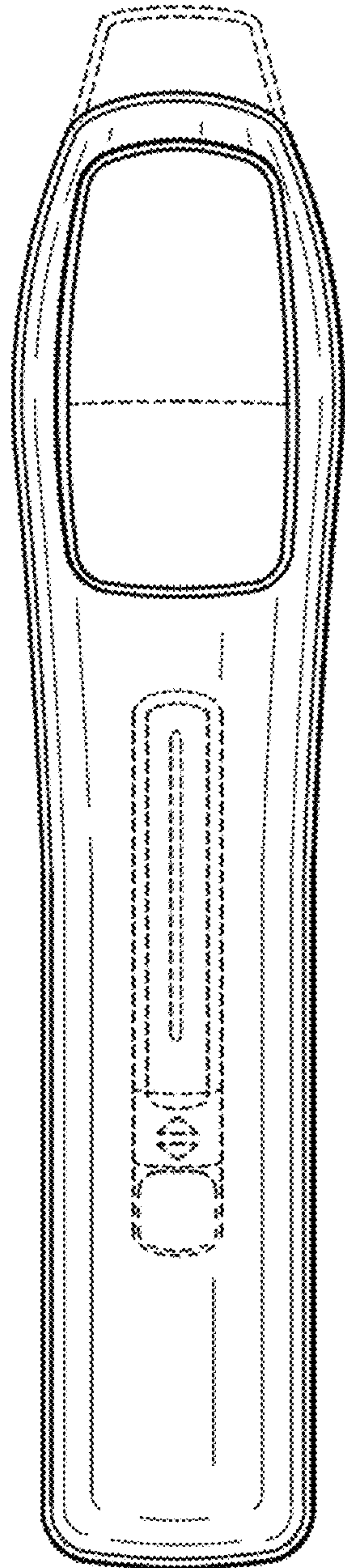


FIG. 4

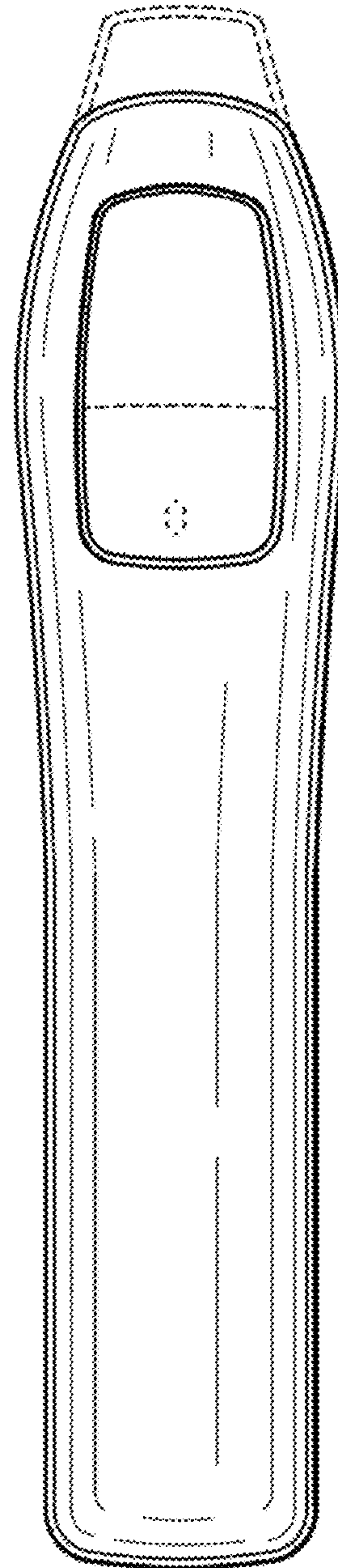


FIG. 5

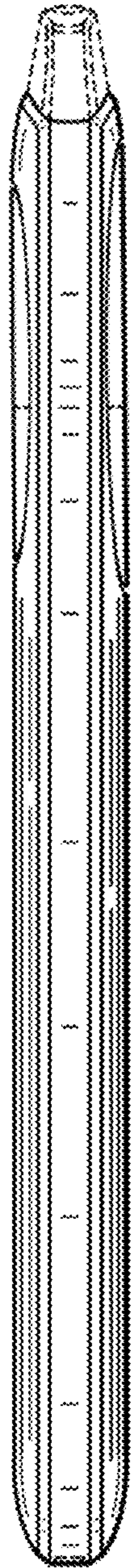


FIG. 6

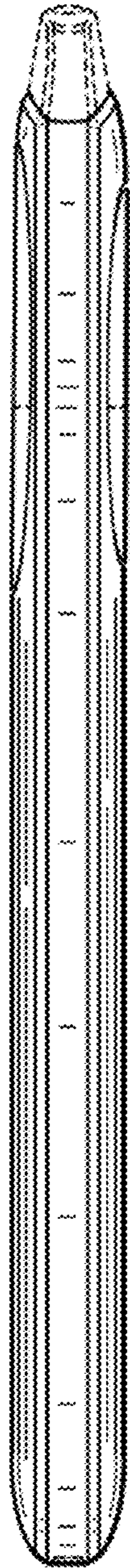


FIG. 7



FIG. 8

