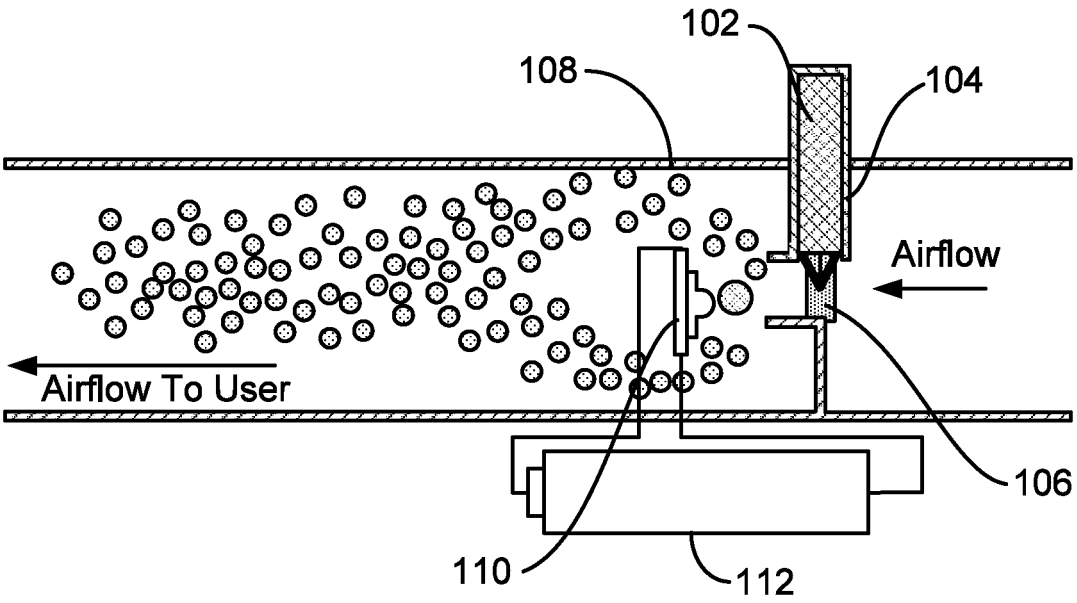


FIG. 1

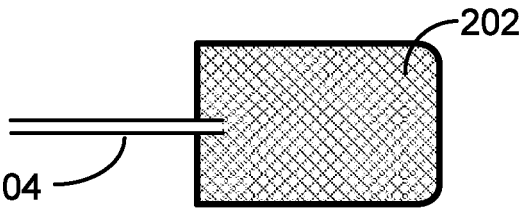


FIG. 2A

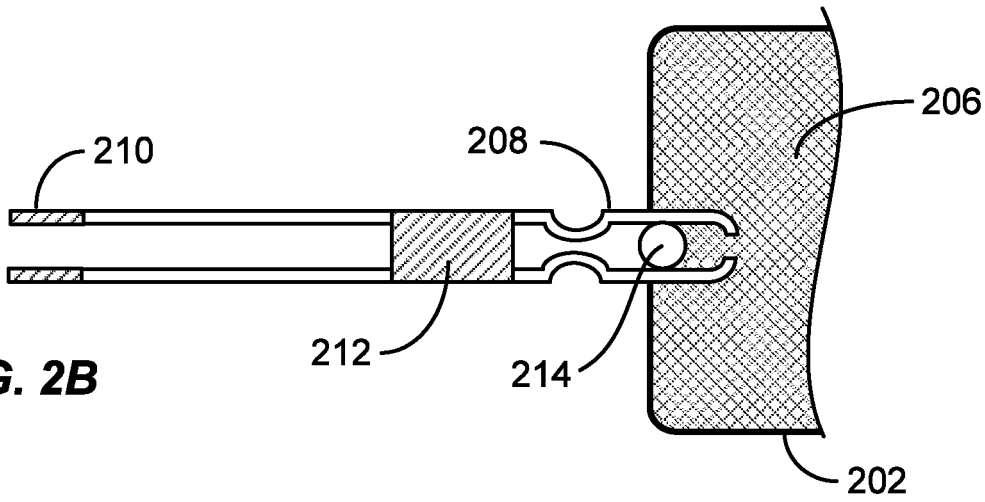


FIG. 2B

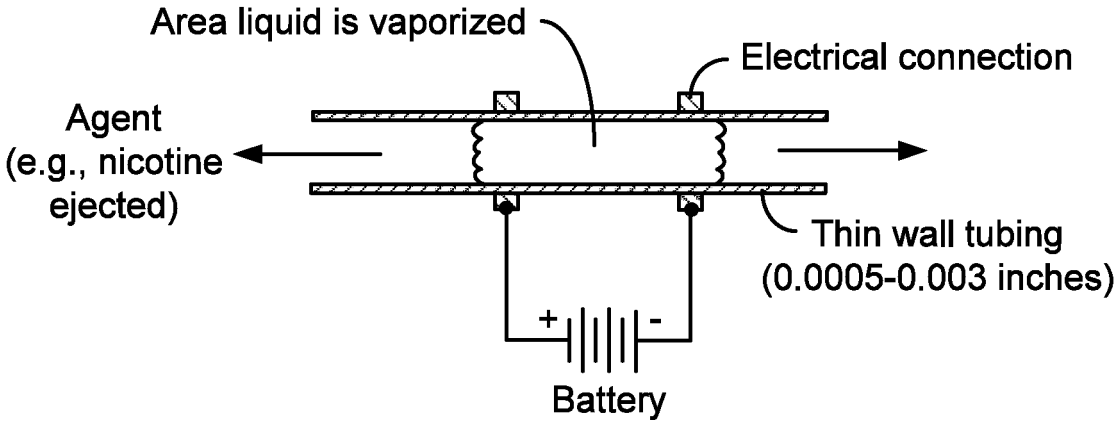

Area liquid is vaporized
Electrical connection
Agent
(e.g., nicotine
ejected)
Thin wall tubing
(0.0005-0.003 inches)
+
-
Battery

FIG. 3A

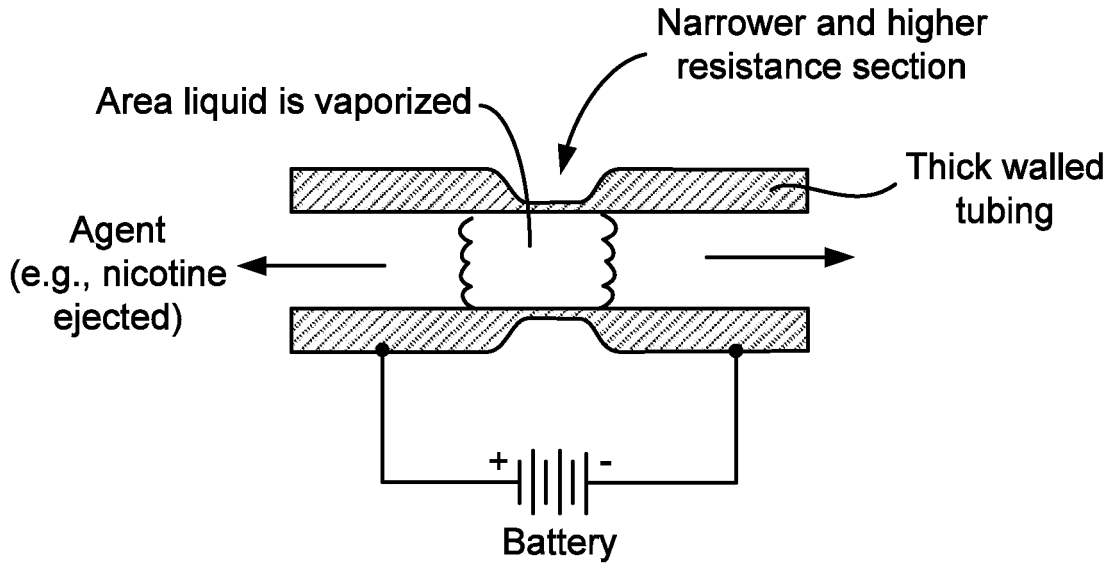

Narrower and higher
resistance section
Area liquid is vaporized
Thick walled
tubing
Agent
(e.g., nicotine
ejected)
+
-
Battery

FIG. 3B

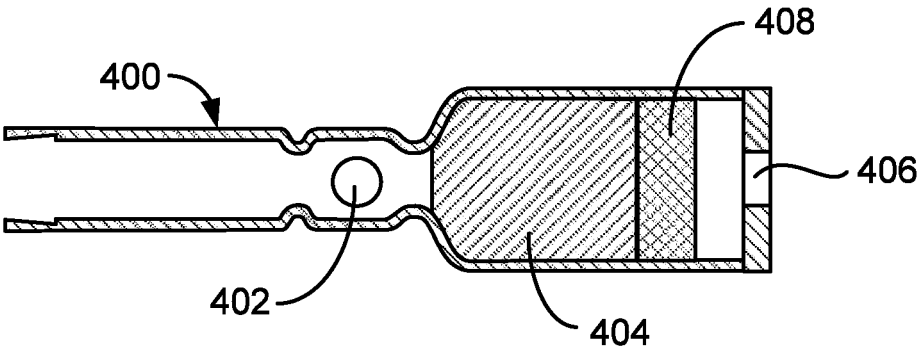


FIG. 4

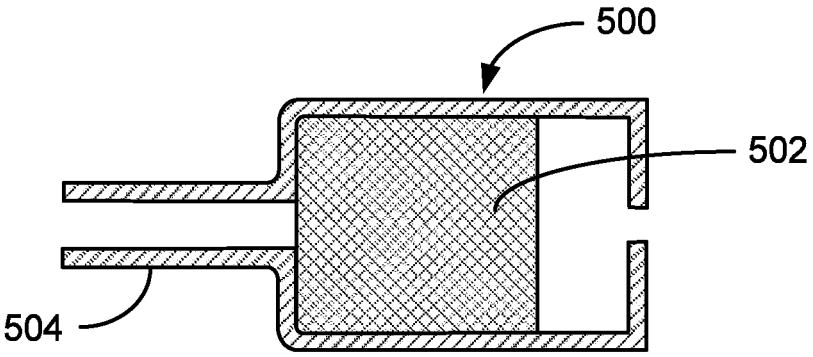


FIG. 5

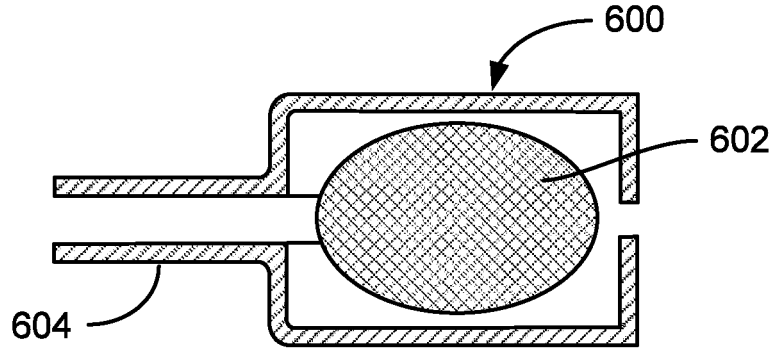


FIG. 6

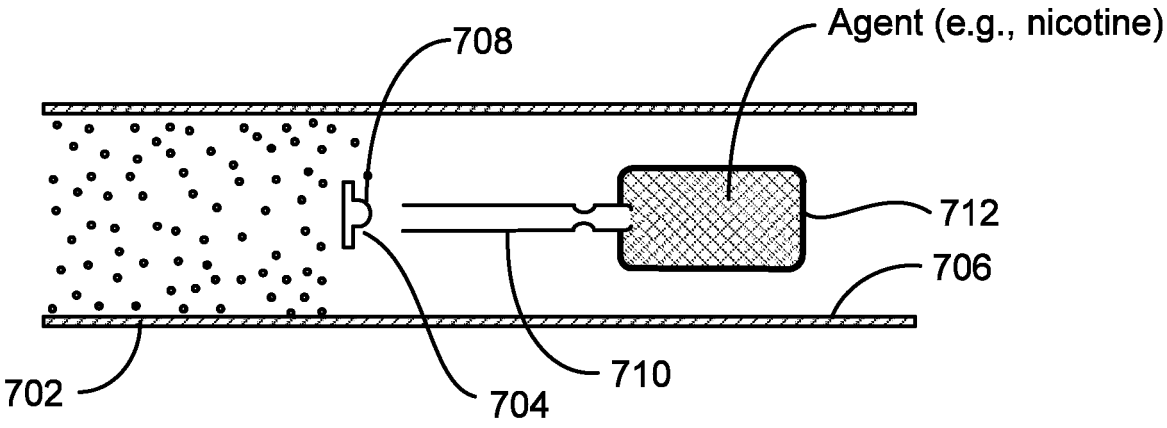


FIG. 7

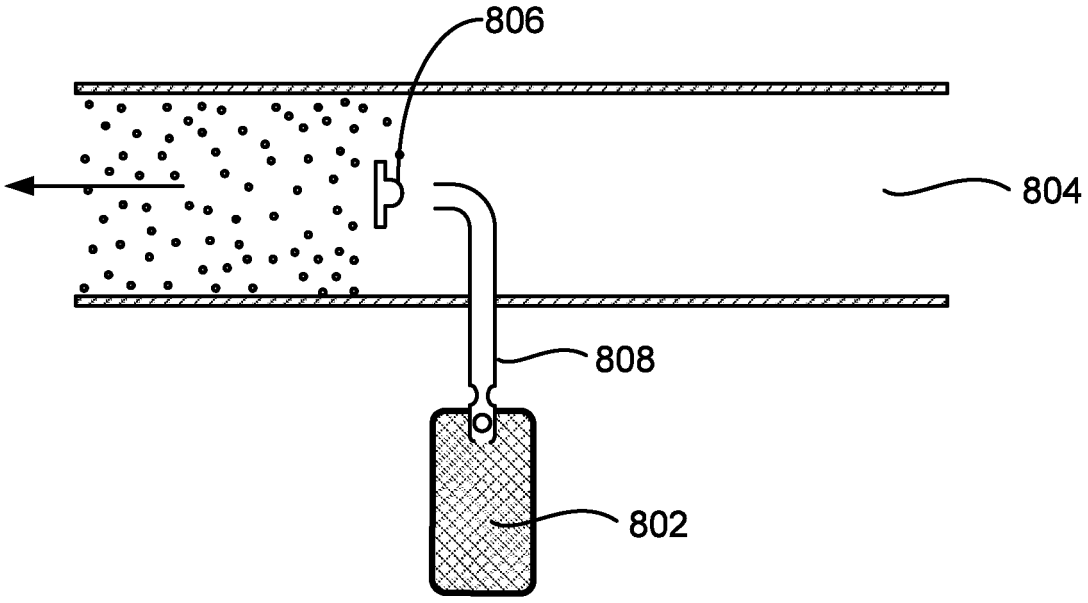


FIG. 8

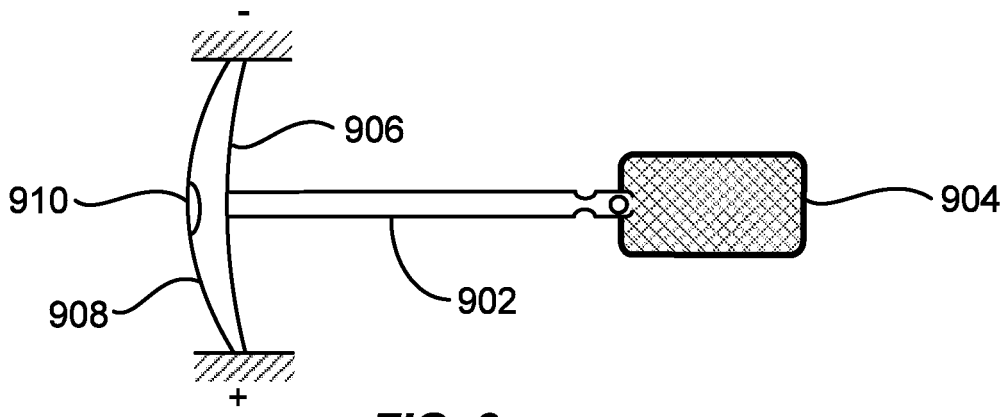


FIG. 9

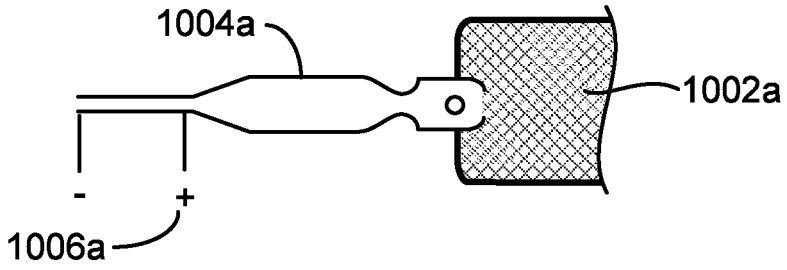


FIG. 10A

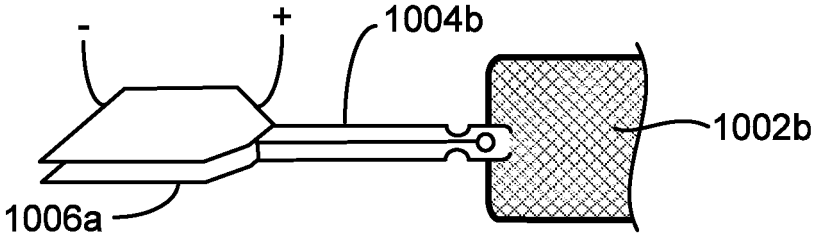


FIG. 10B

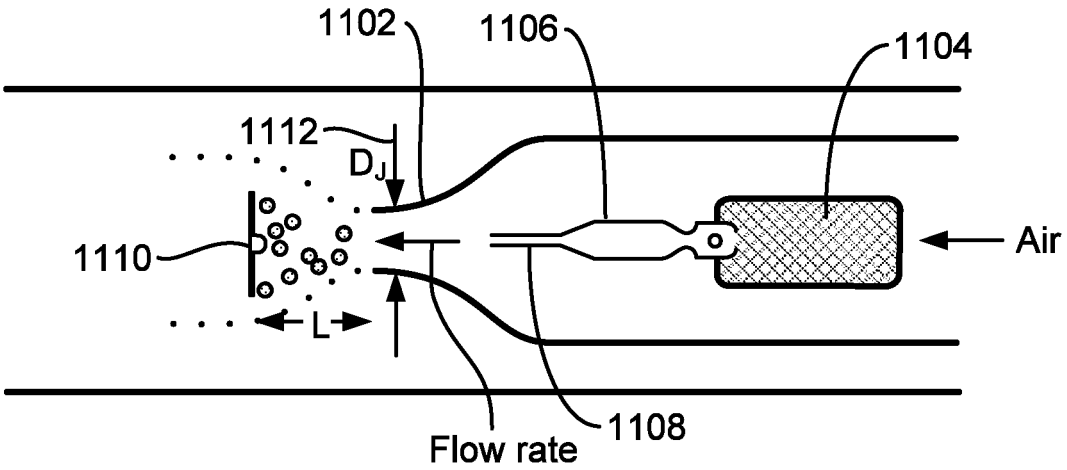


FIG. 11

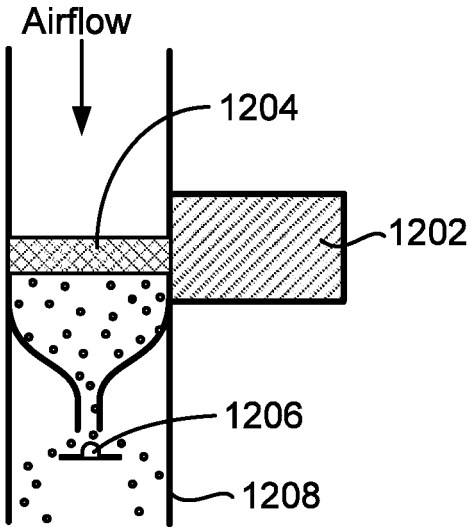


FIG. 12

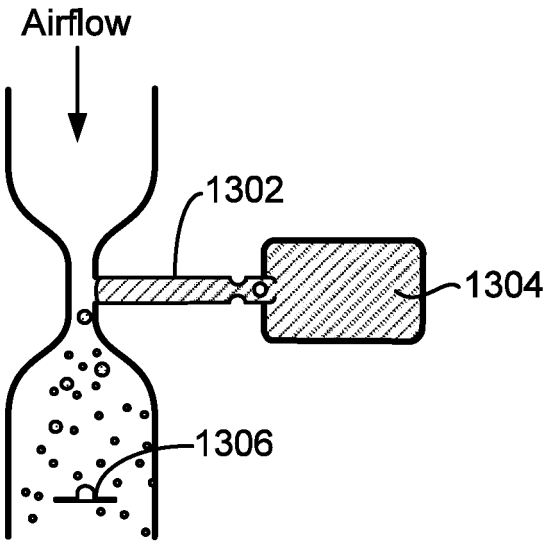


FIG. 13

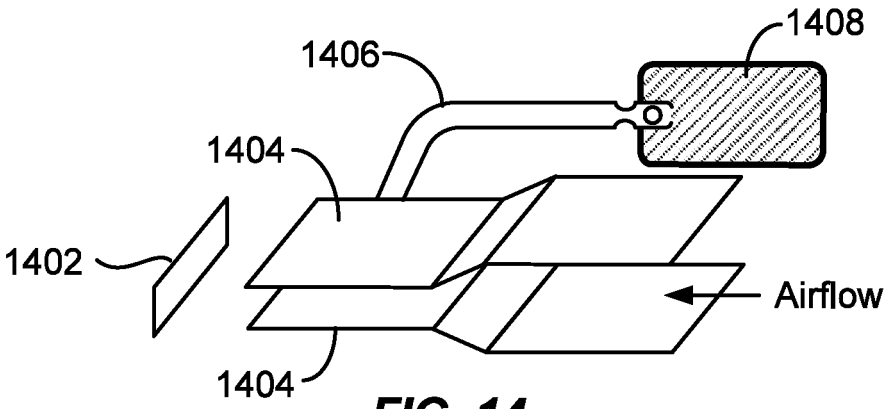


FIG. 14

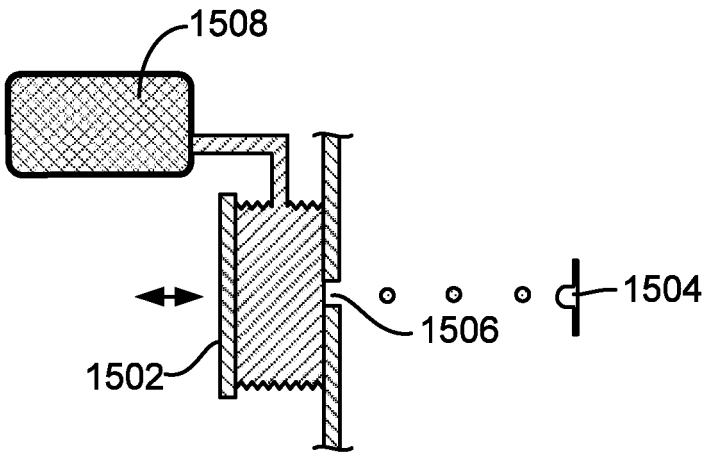


FIG. 15

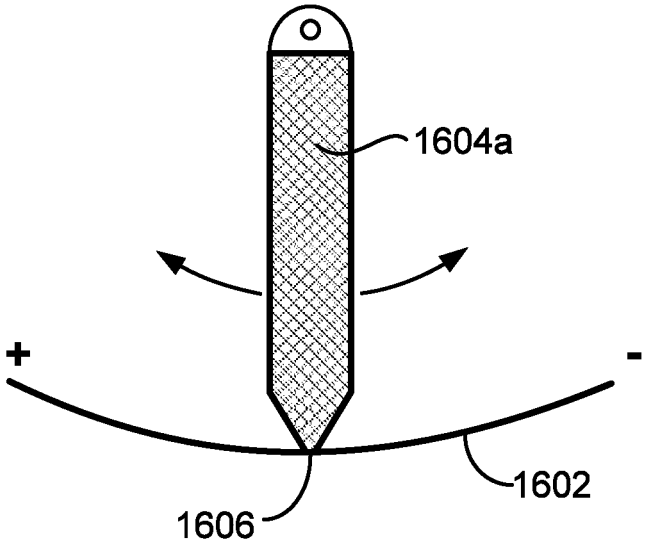


FIG. 16A

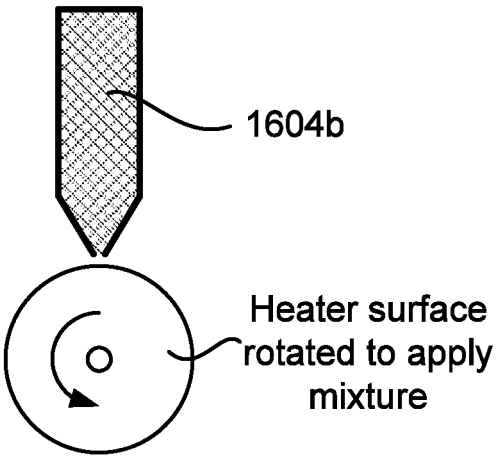


FIG. 16B

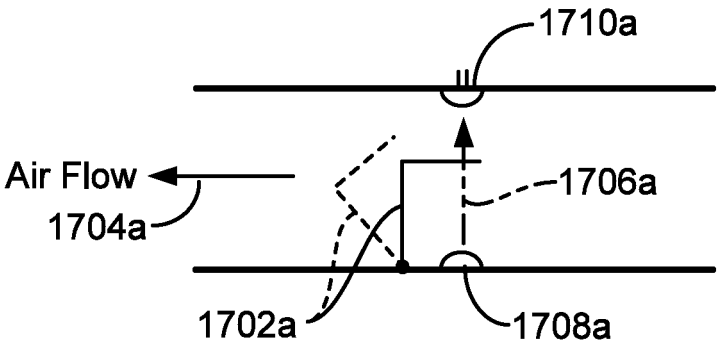


FIG. 17A

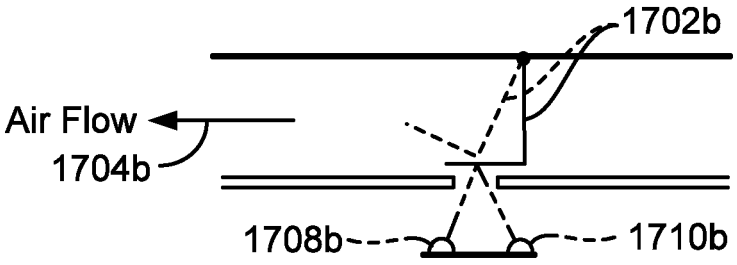


FIG. 17B

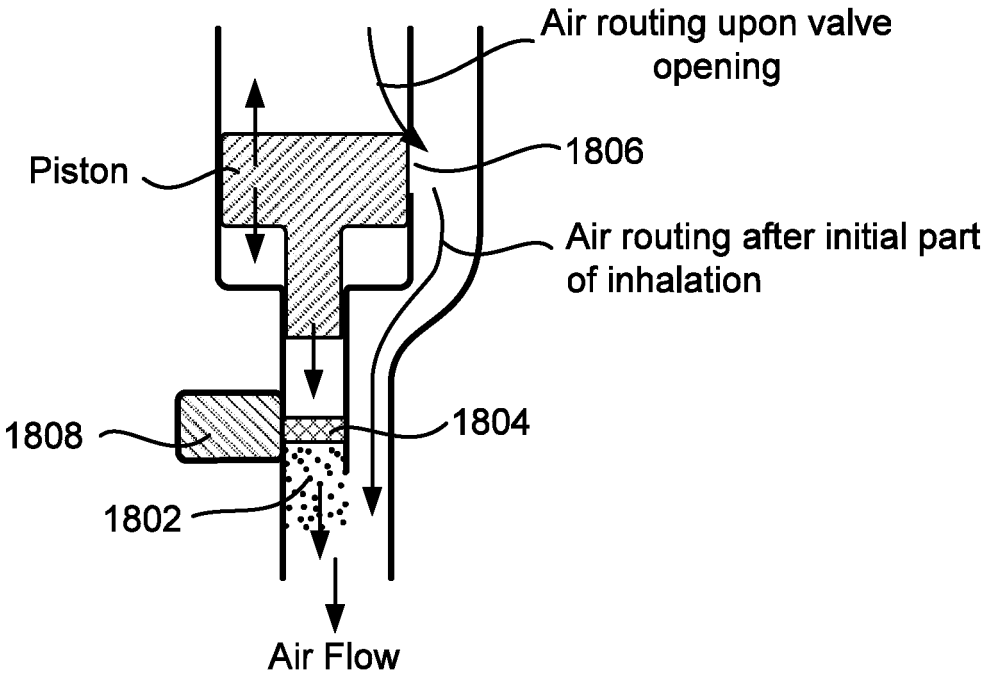

Air routing upon valve opening
Piston
1806
Air routing after initial part of inhalation
1808
1804
1802
Air Flow

FIG. 18

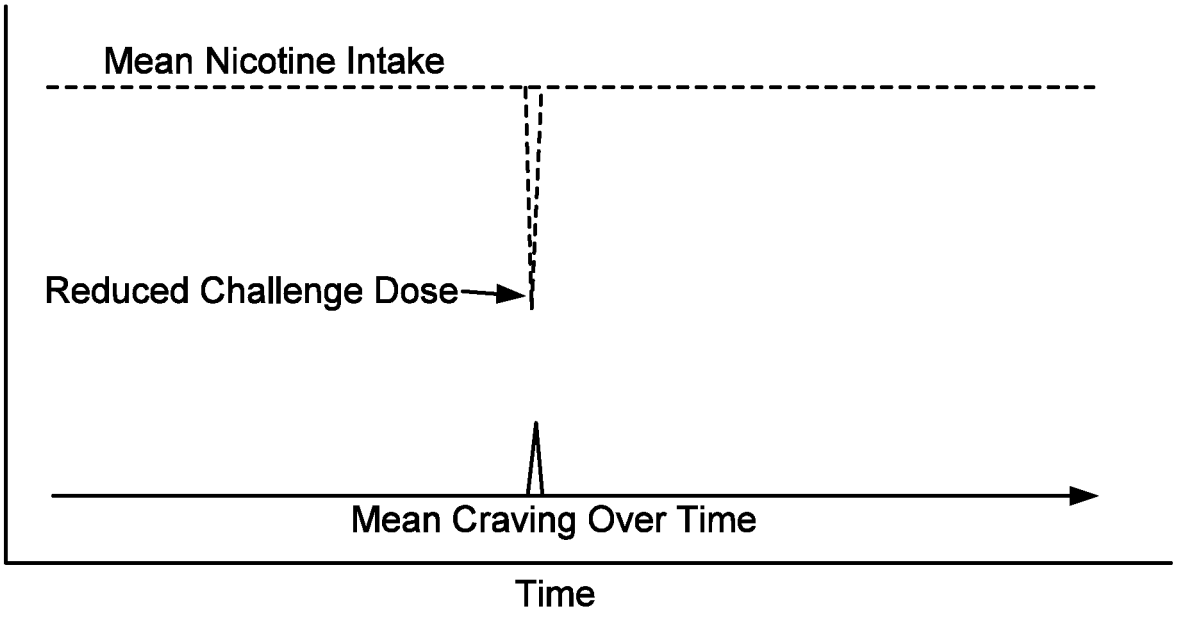

Mean Nicotine Intake
Reduced Challenge Dose
Mean Craving Over Time
Time

FIG. 19

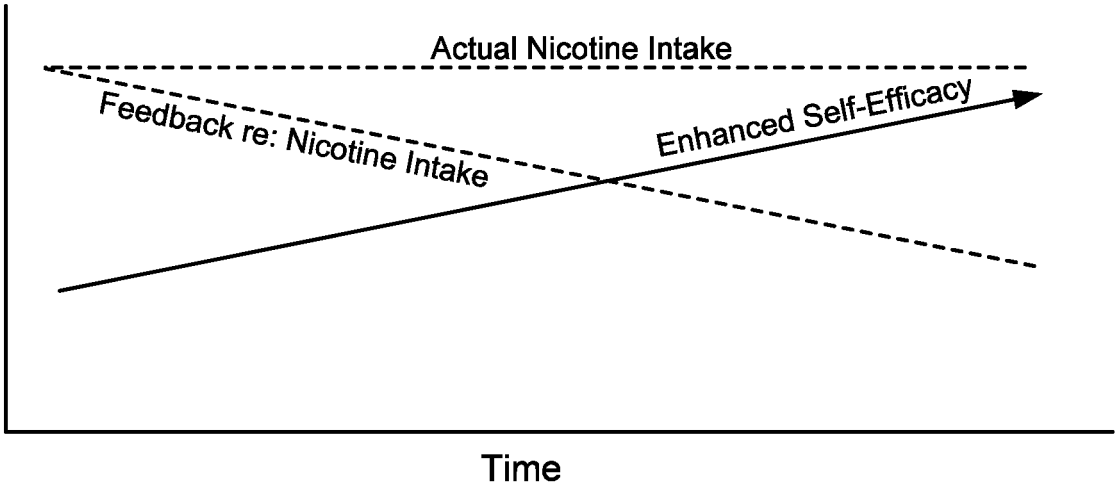


FIG. 20

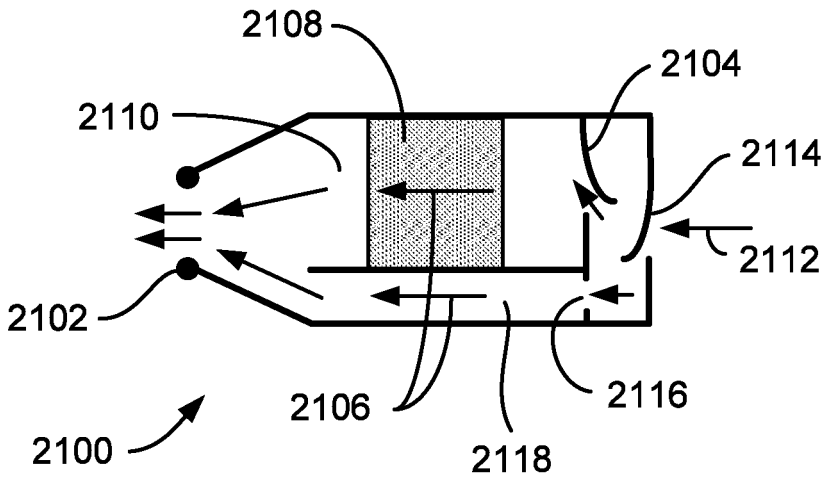


FIG. 21

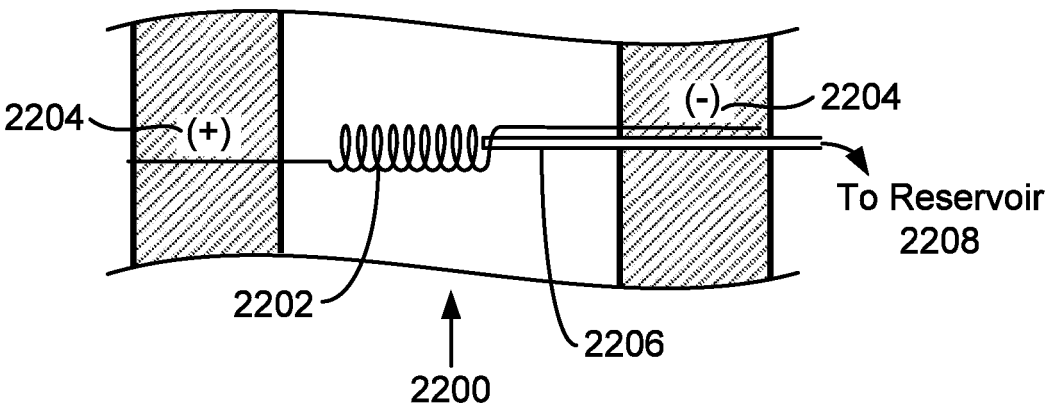


FIG. 22

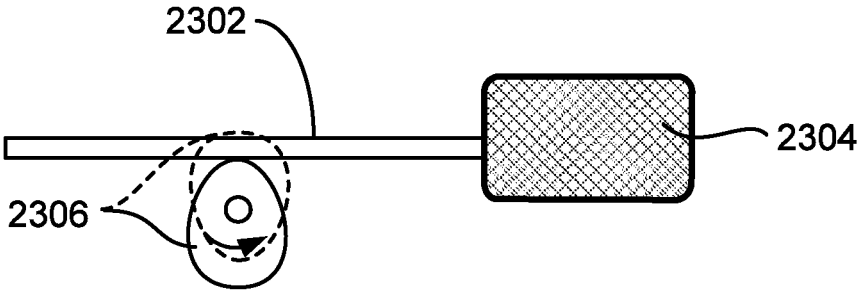


FIG. 23

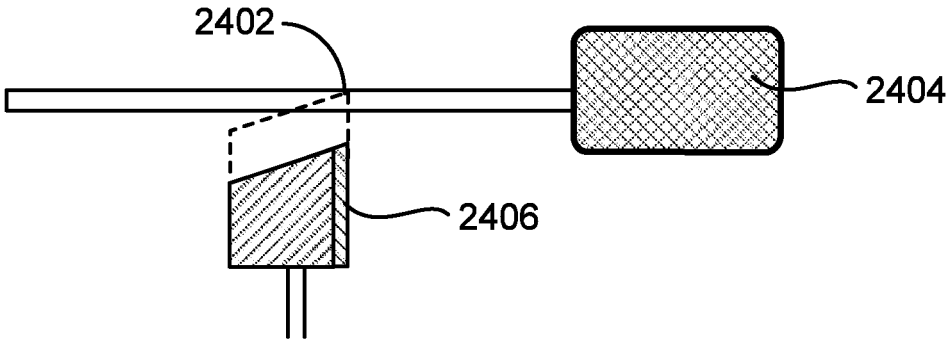


FIG. 24

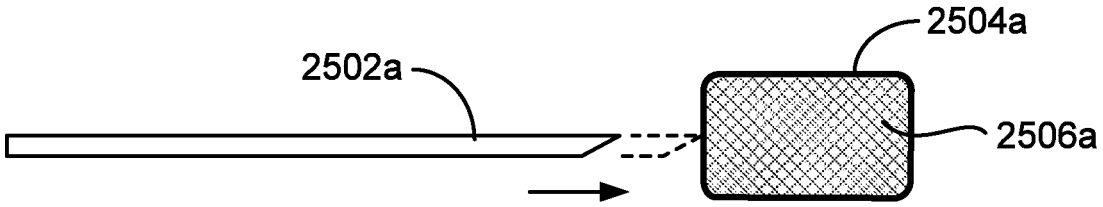


FIG. 25A

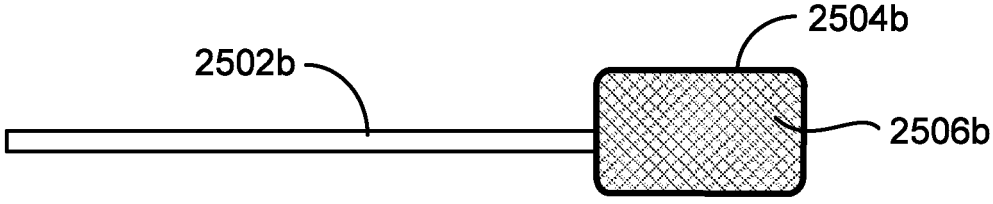


FIG. 25B

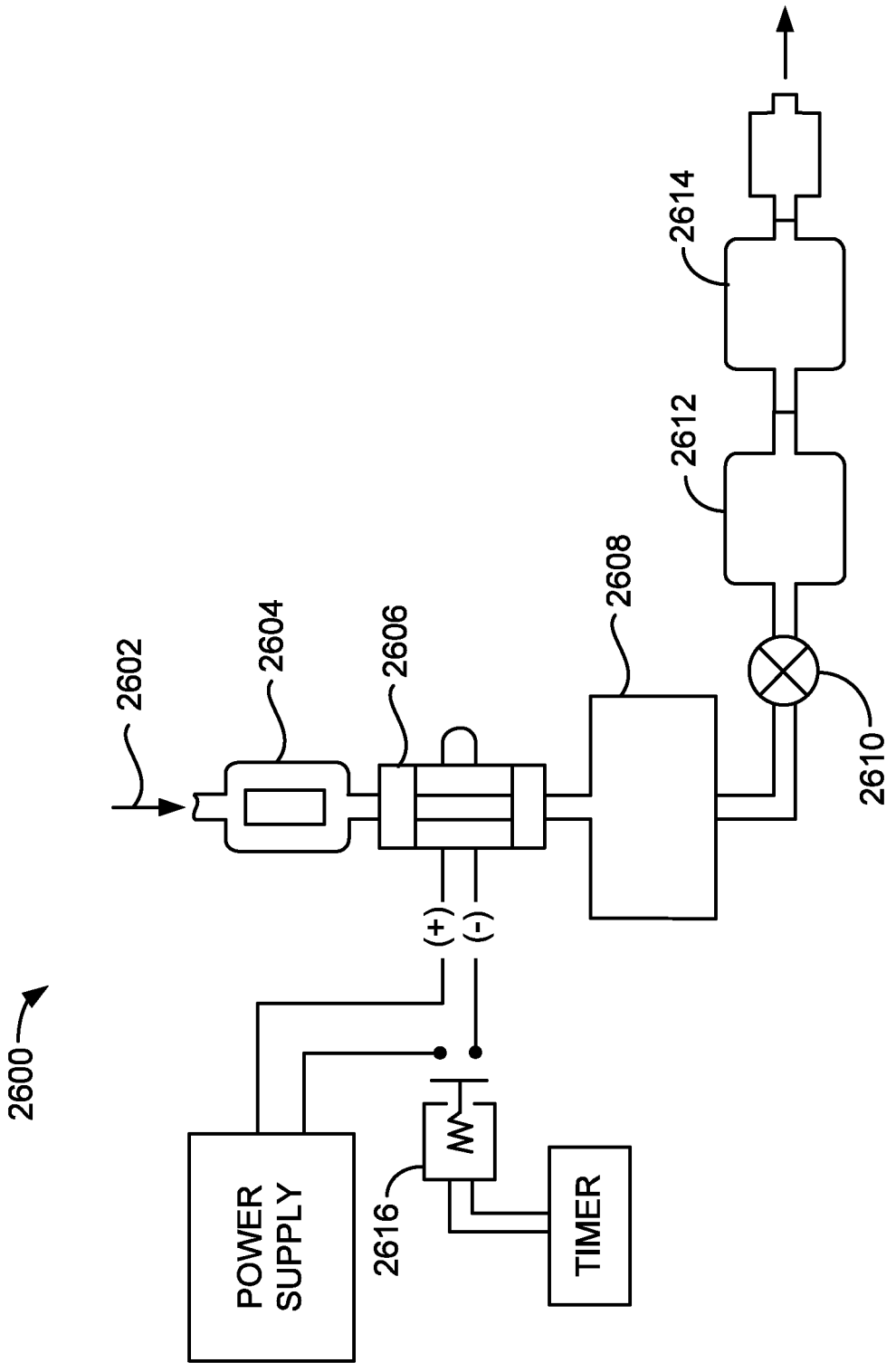

2600
2602
2604
2606
2608
2610
2612
2614
2616
(+)
(-)
POWER SUPPLY
TIMER

FIG. 26

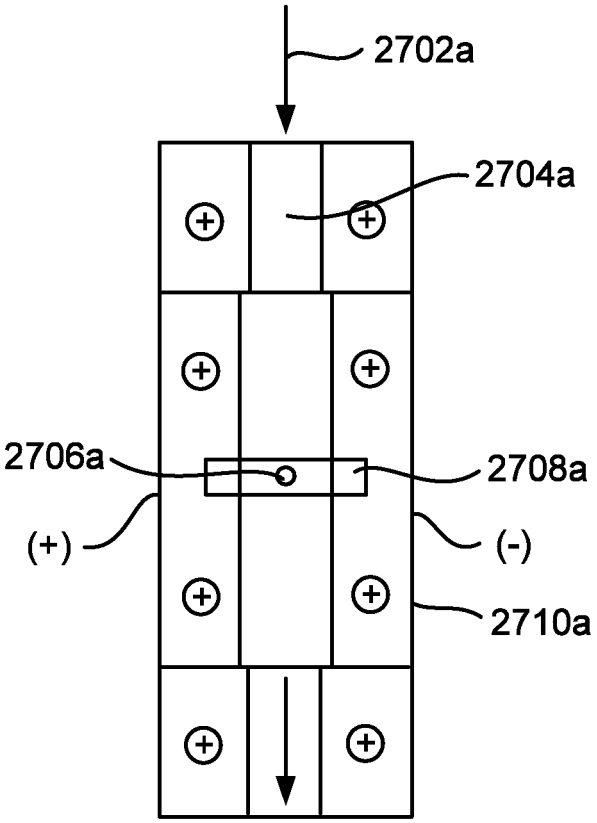


FIG. 27A

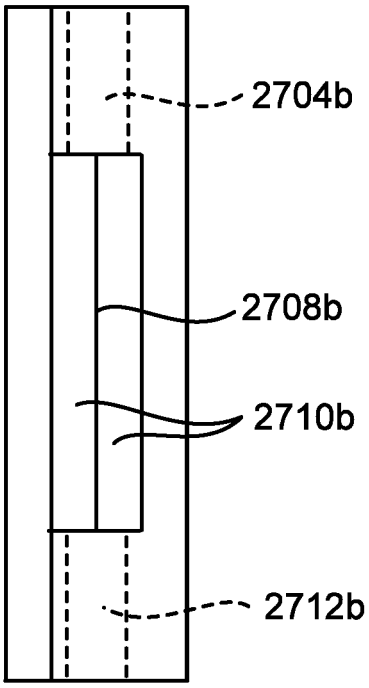


FIG. 27B

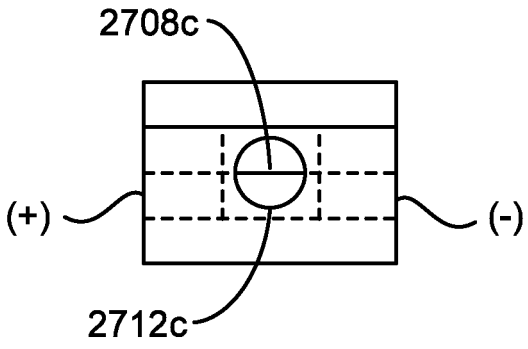


FIG. 27C

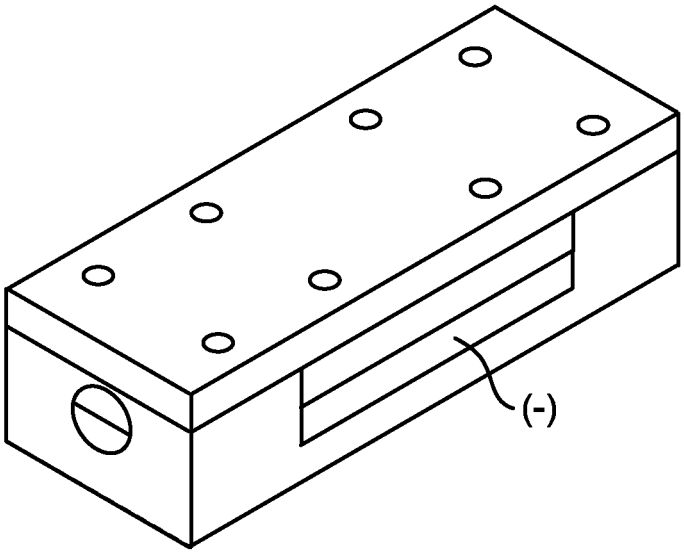


FIG. 27D

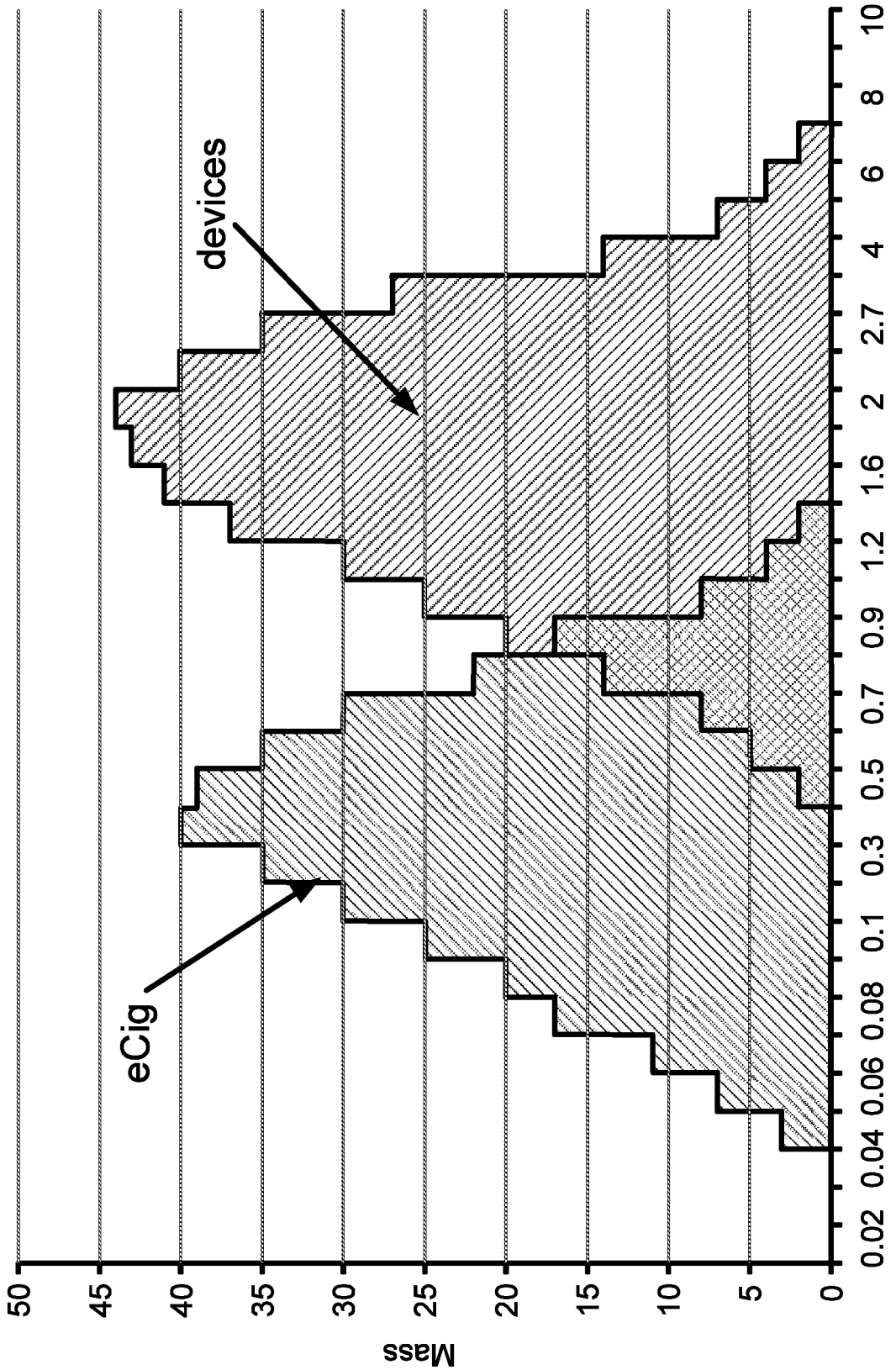

devices
eCig
Mass
0
5
10
15
20
25
30
35
40
45
50
0.02
0.04
0.06
0.08
0.1
0.3
0.5
0.7
0.9
1.2
1.6
2
2.7
4
6
8
10
Aerosol particle size (microns)

FIG. 28

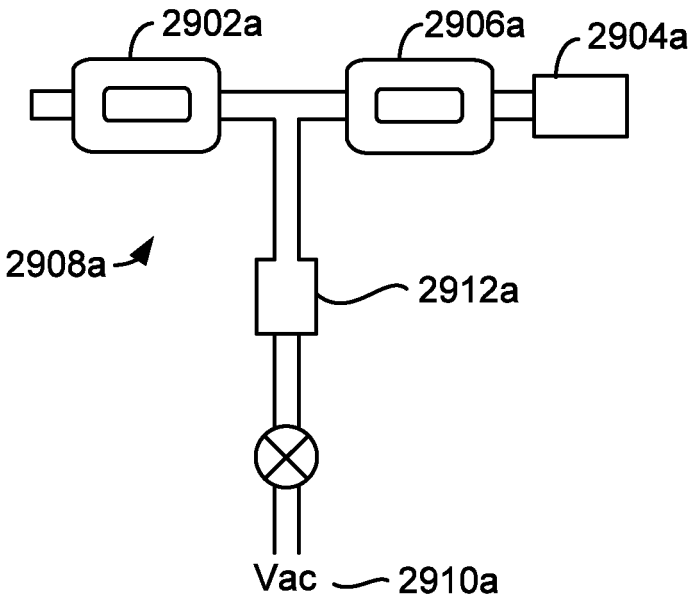


FIG. 29A

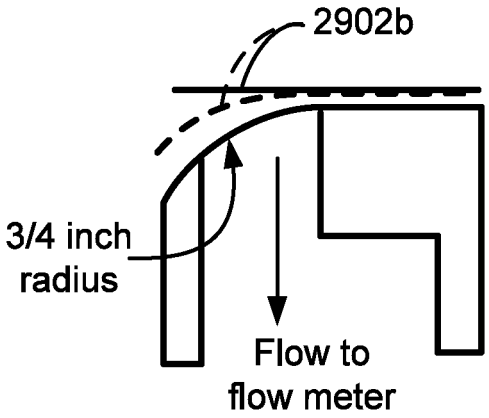


FIG. 29B

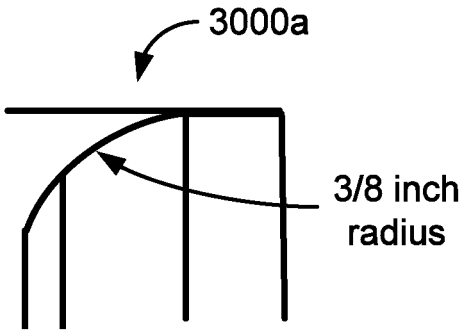


FIG. 30A

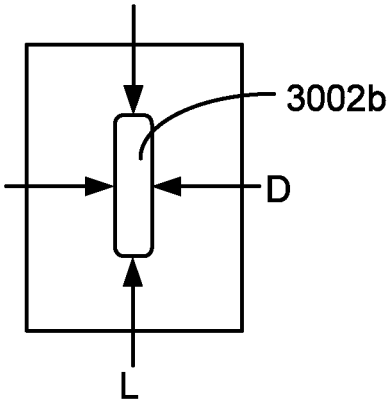


FIG. 30B

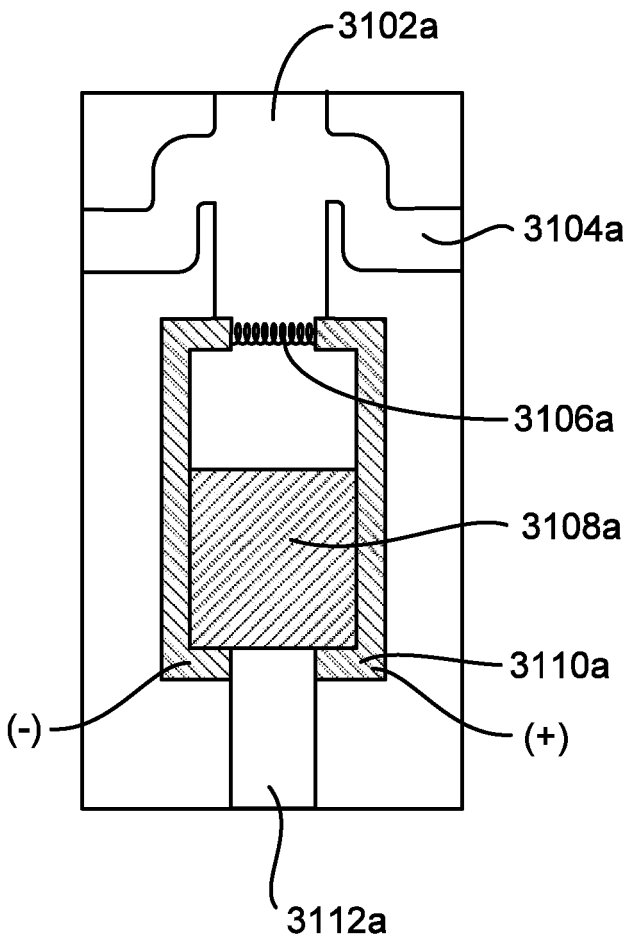


FIG. 31A

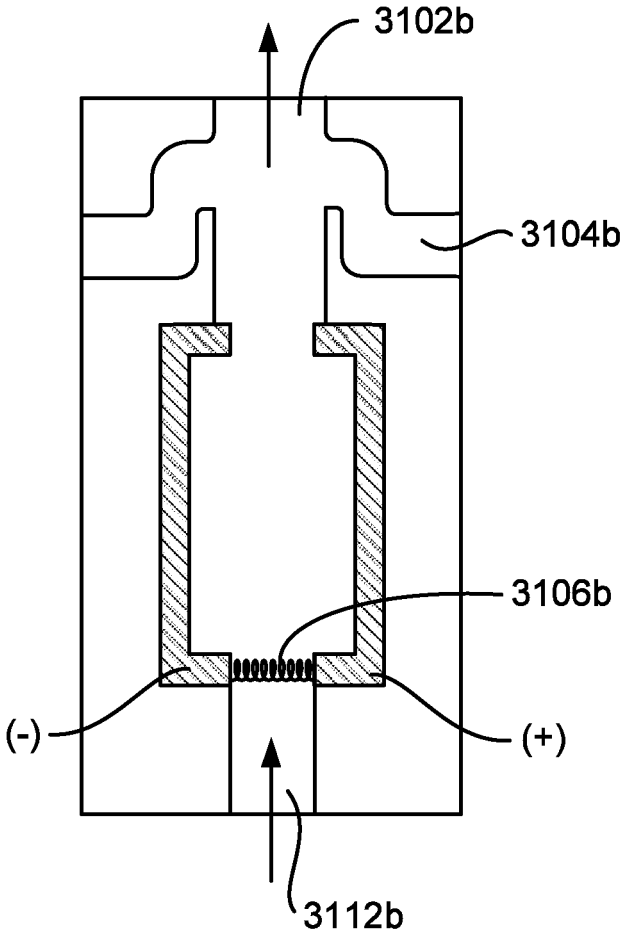


FIG. 31B

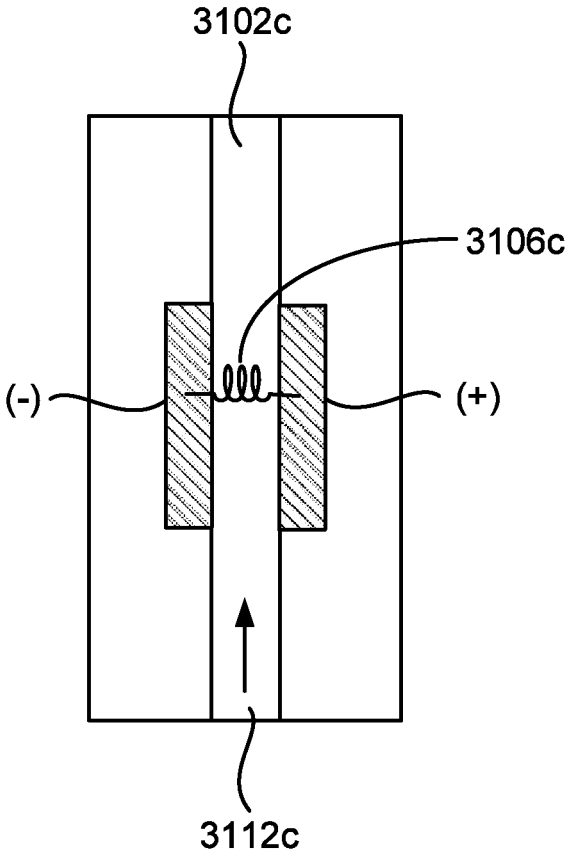


FIG. 31C

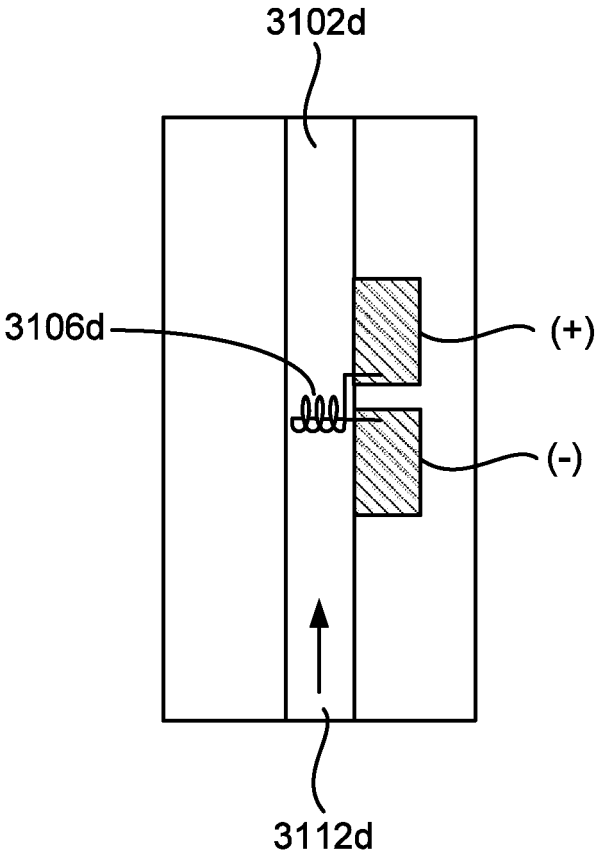


FIG. 31D

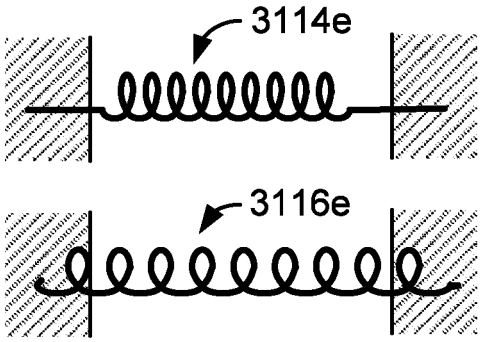


FIG. 31E

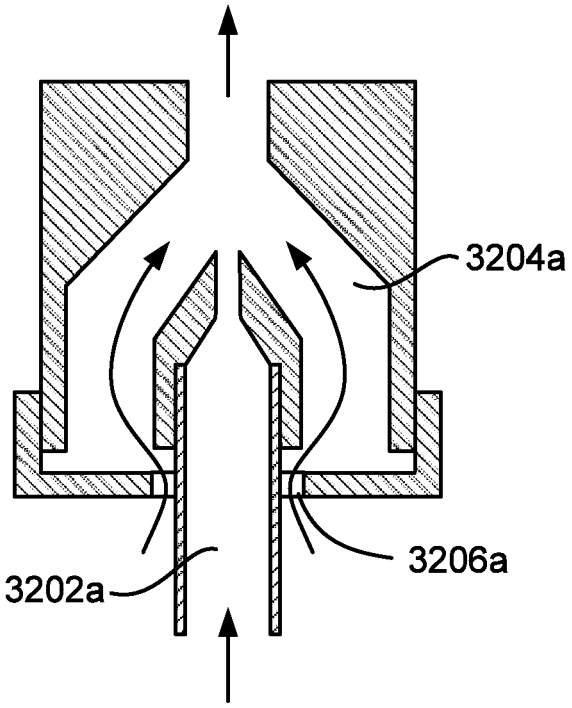


FIG. 32A

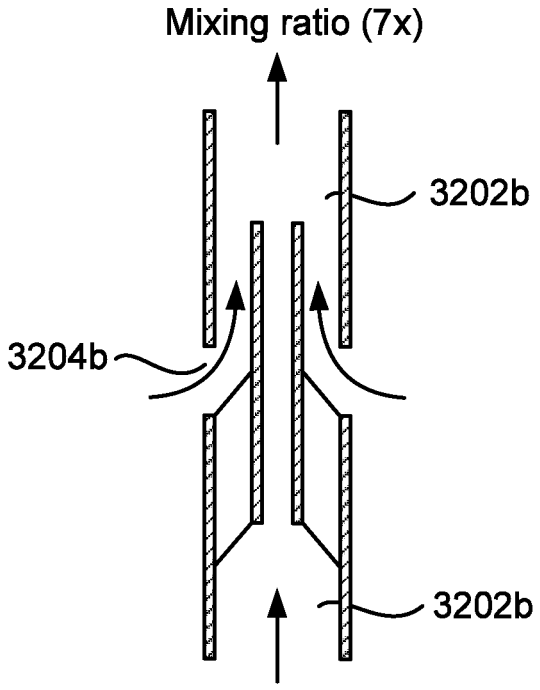


FIG. 32B

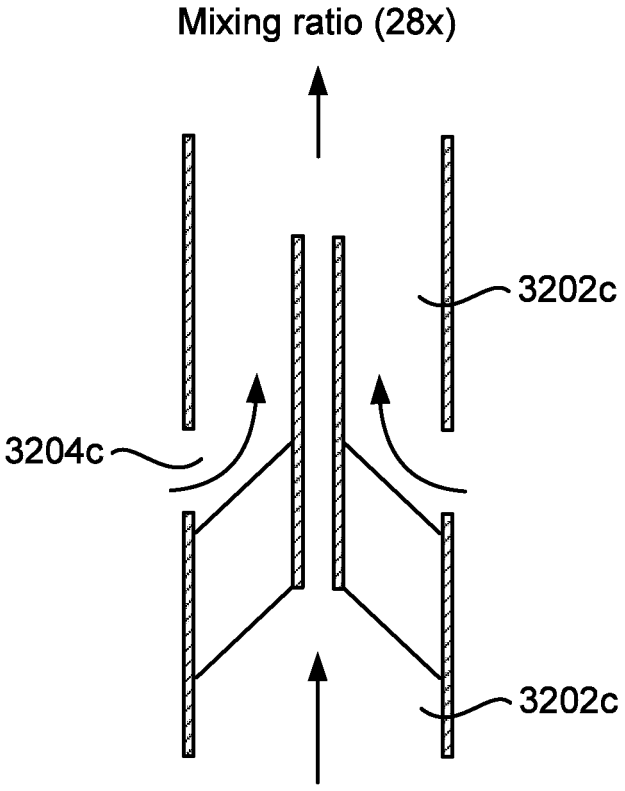


FIG. 32C

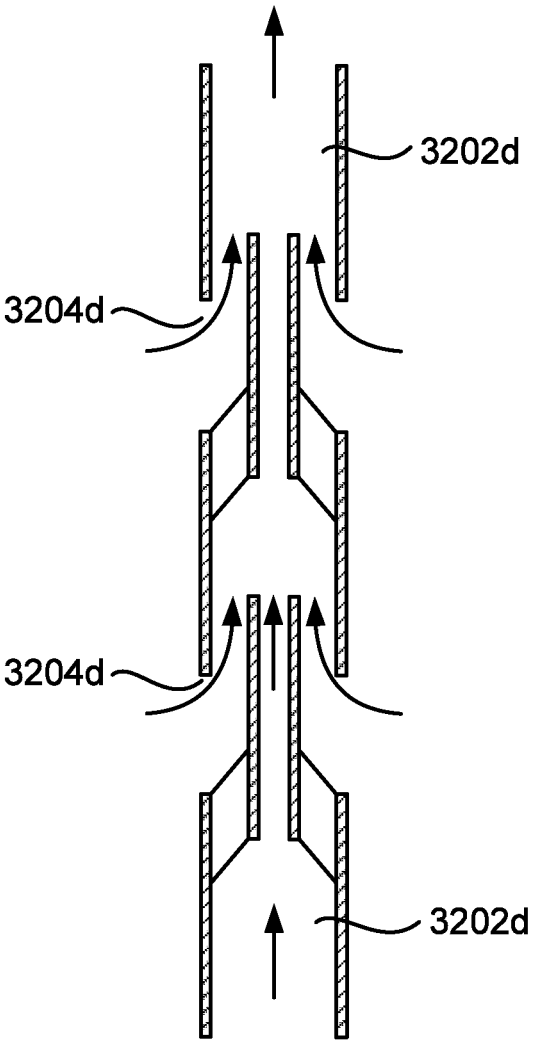


FIG. 32D

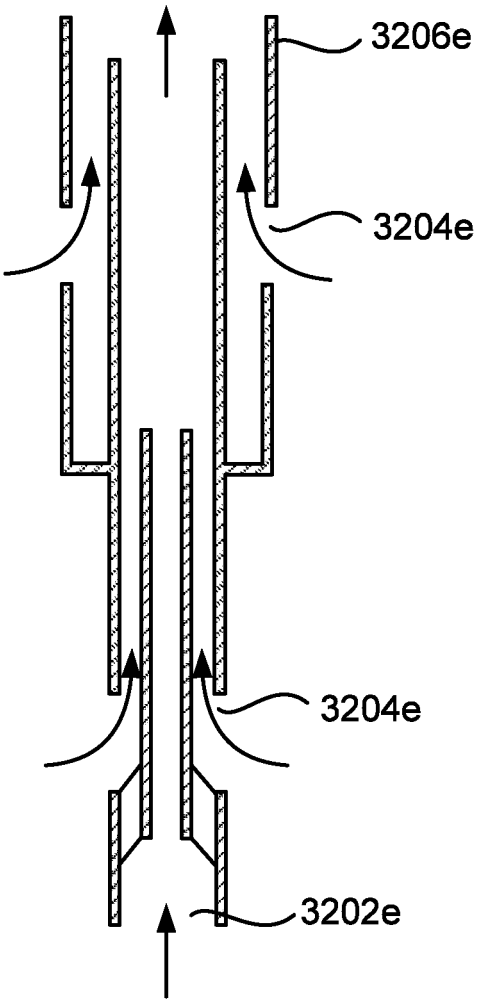


FIG. 32E

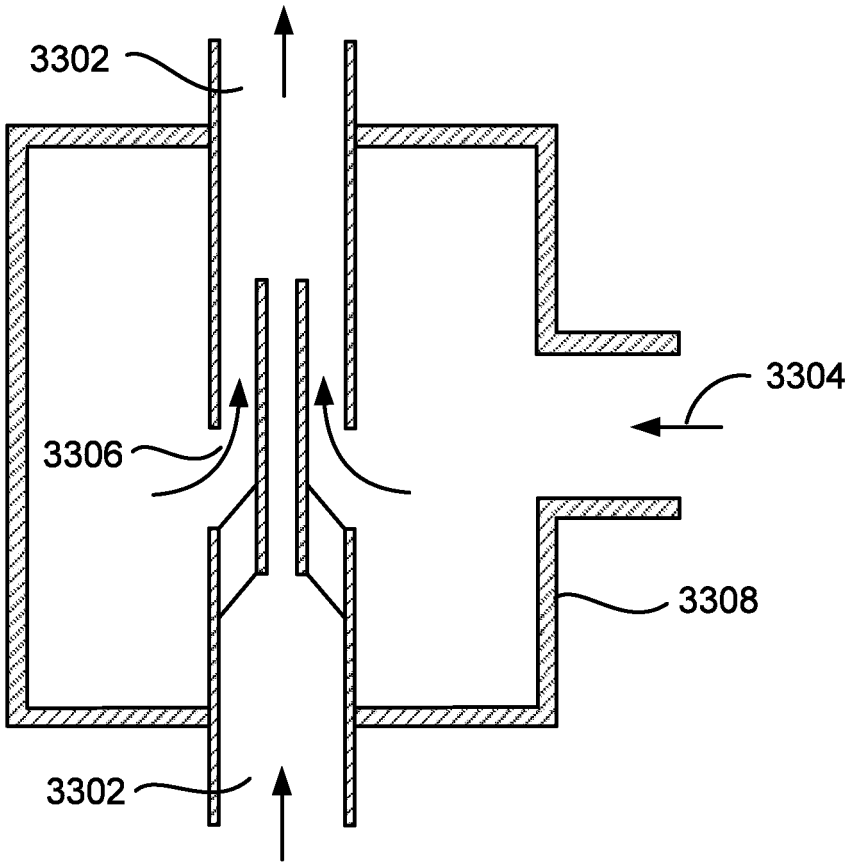


FIG. 33

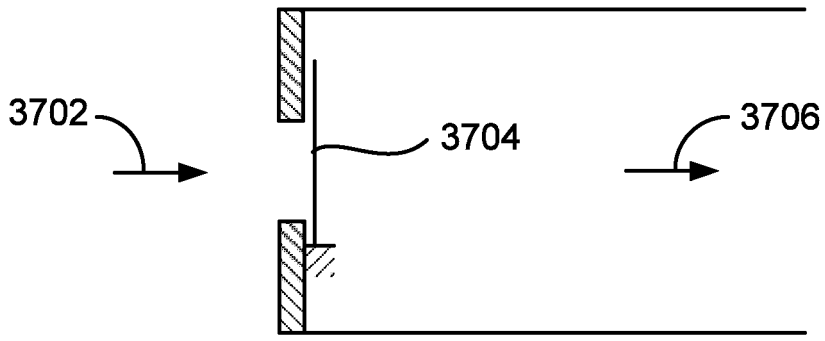


FIG. 34

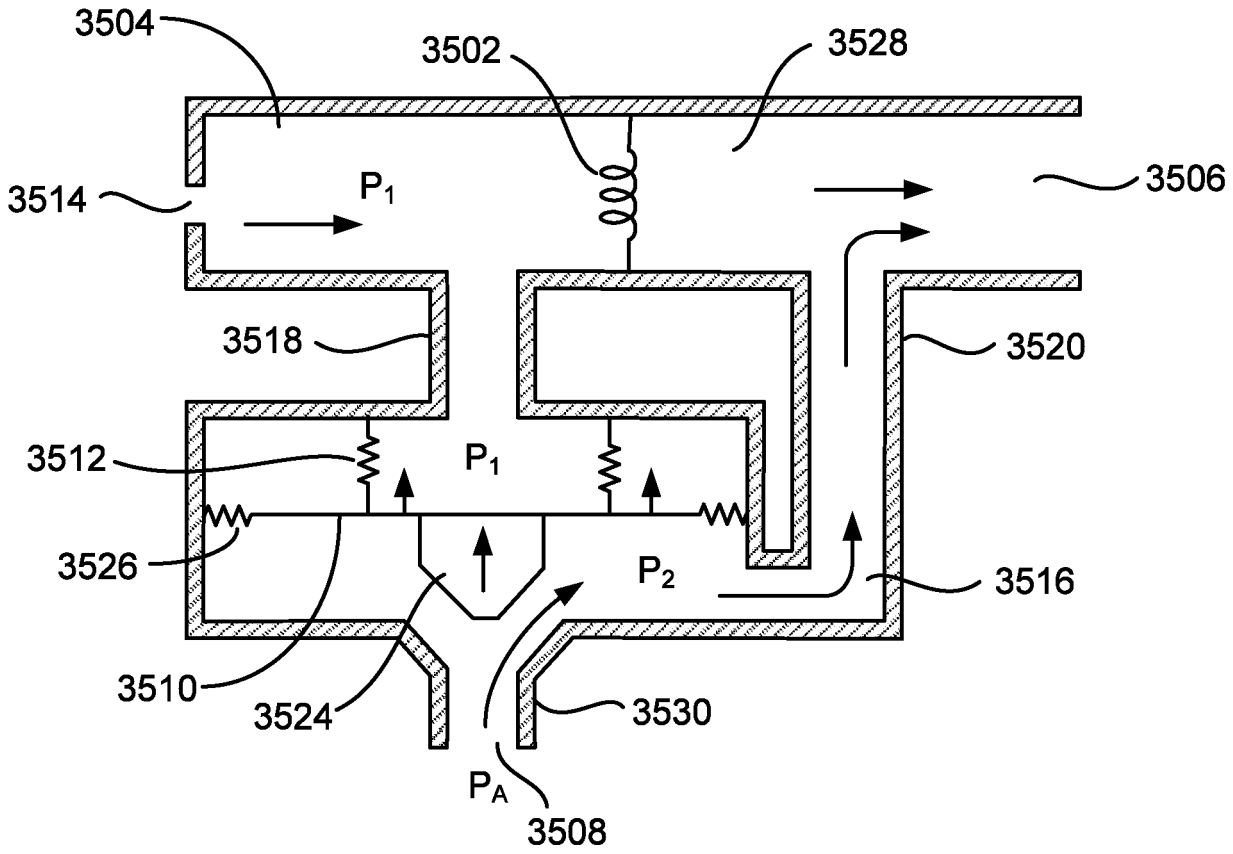

3504
3502
3528
3514
P1
3506
3518
3520
3512
P1
3526
P2
3516
3510
3524
3530
PA
3508

FIG. 35

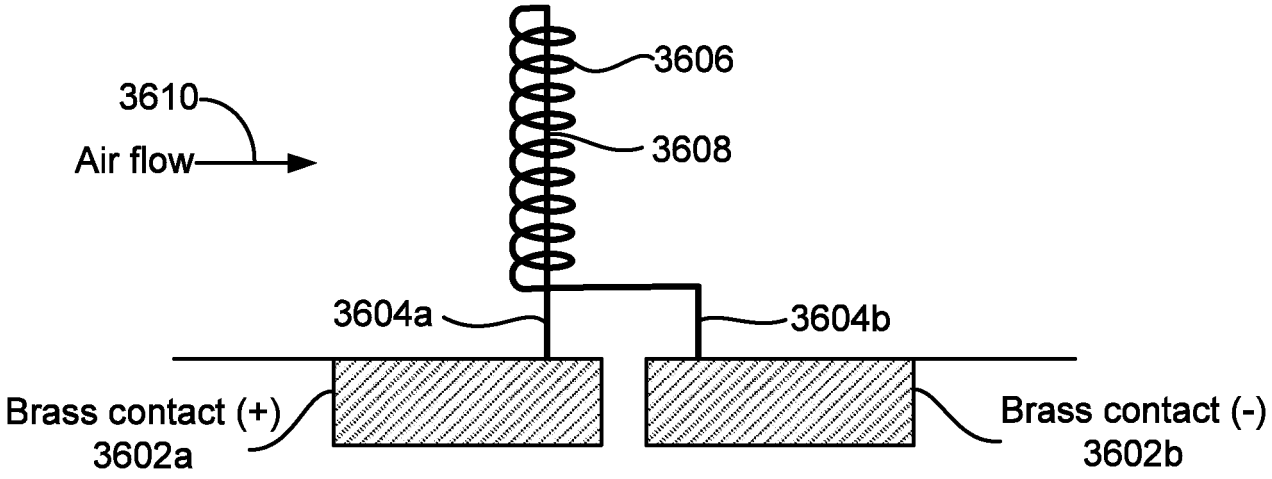

3610
Air flow
3606
3608
3604a
3604b
Brass contact (+)
3602a
Brass contact (-)
3602b

FIG. 36

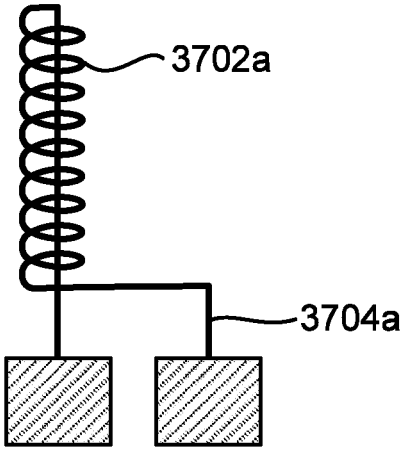


FIG. 37A

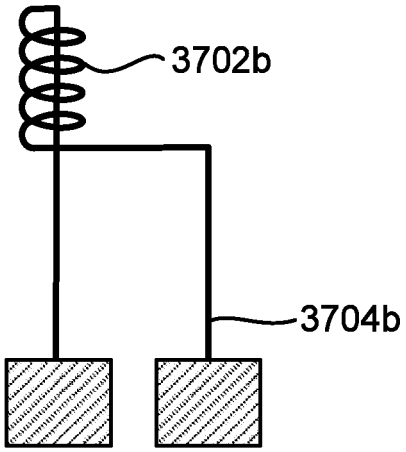


FIG. 37B

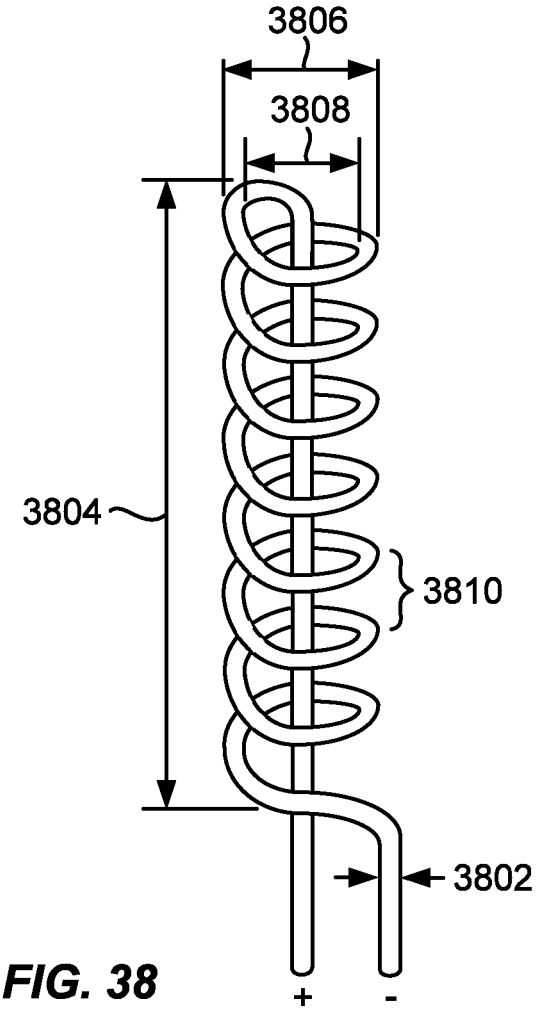


FIG. 38

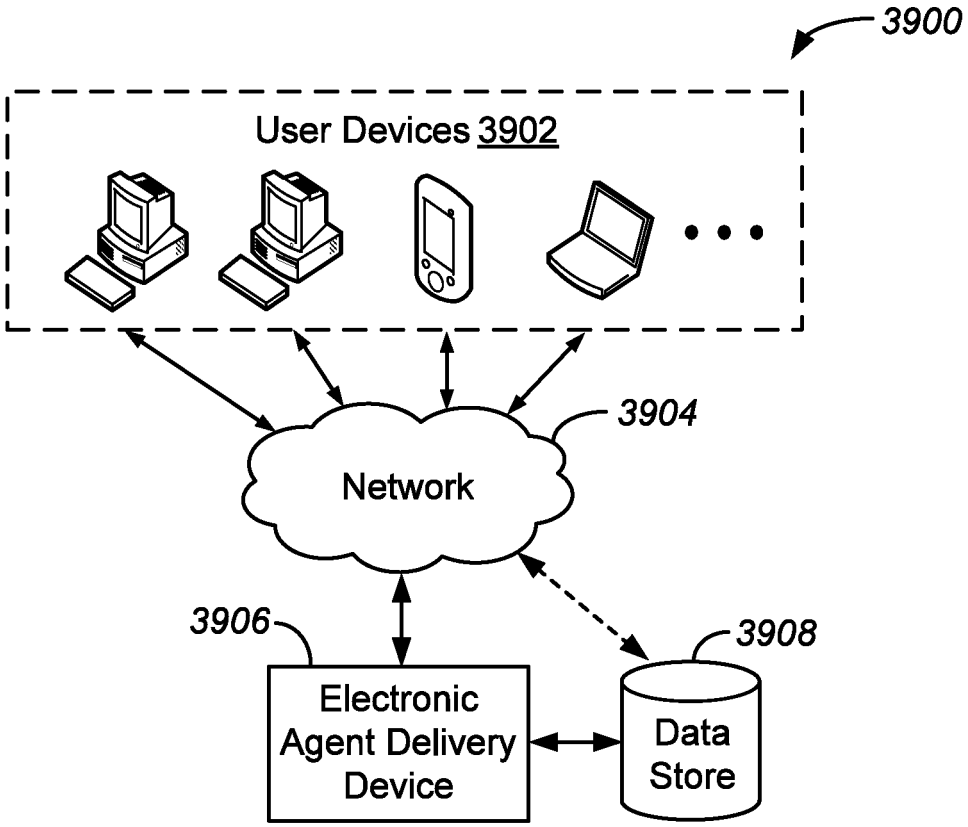

3900
User Devices 3902
3904
Network
3906
3908
Electronic Agent Delivery Device
Data Store

FIG. 39

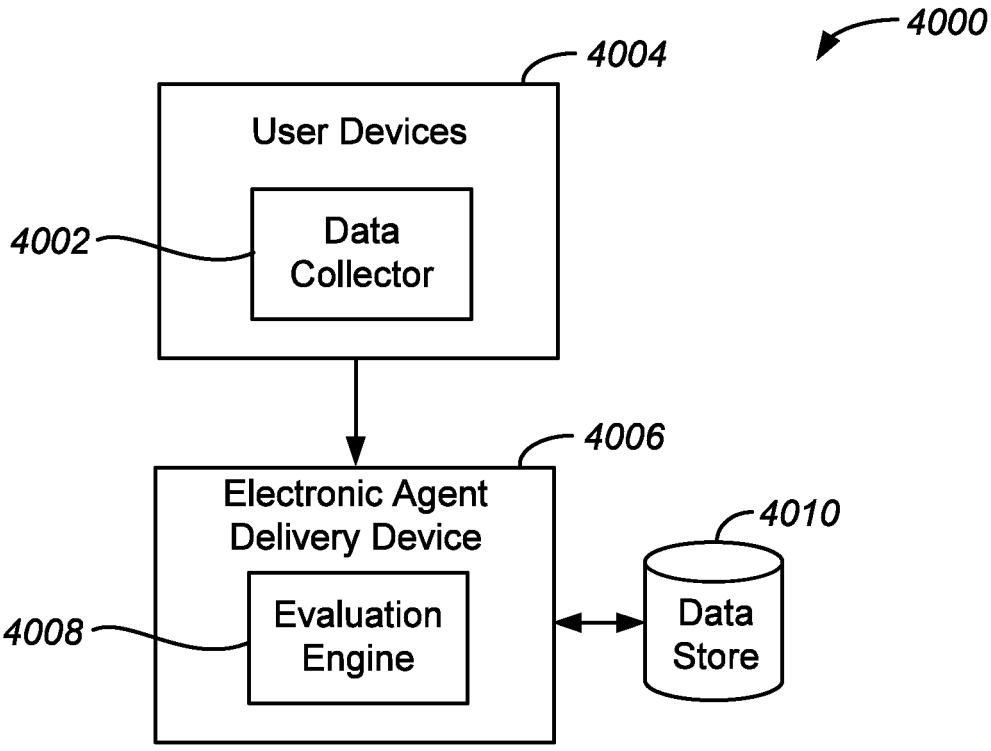

4000
4004
User Devices
4002
Data Collector
4006
Electronic Agent Delivery Device
4010
4008
Evaluation Engine
Data Store

FIG. 40

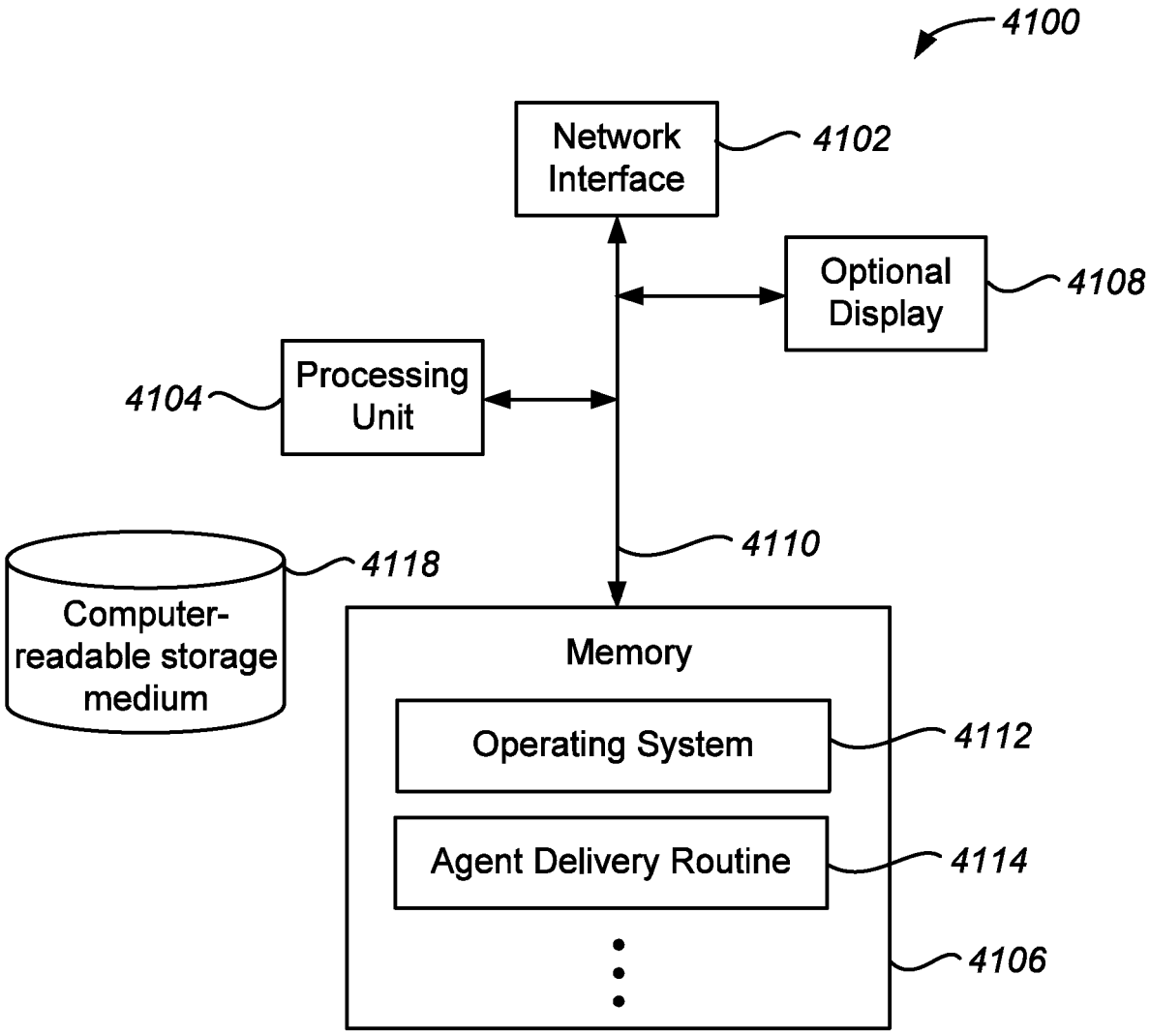

4100
Network Interface
4102
Optional Display
4108
4104
Processing Unit
4110
4118
Computer-readable storage medium
Memory
Operating System
4112
Agent Delivery Routine
4114
4106

FIG. 41

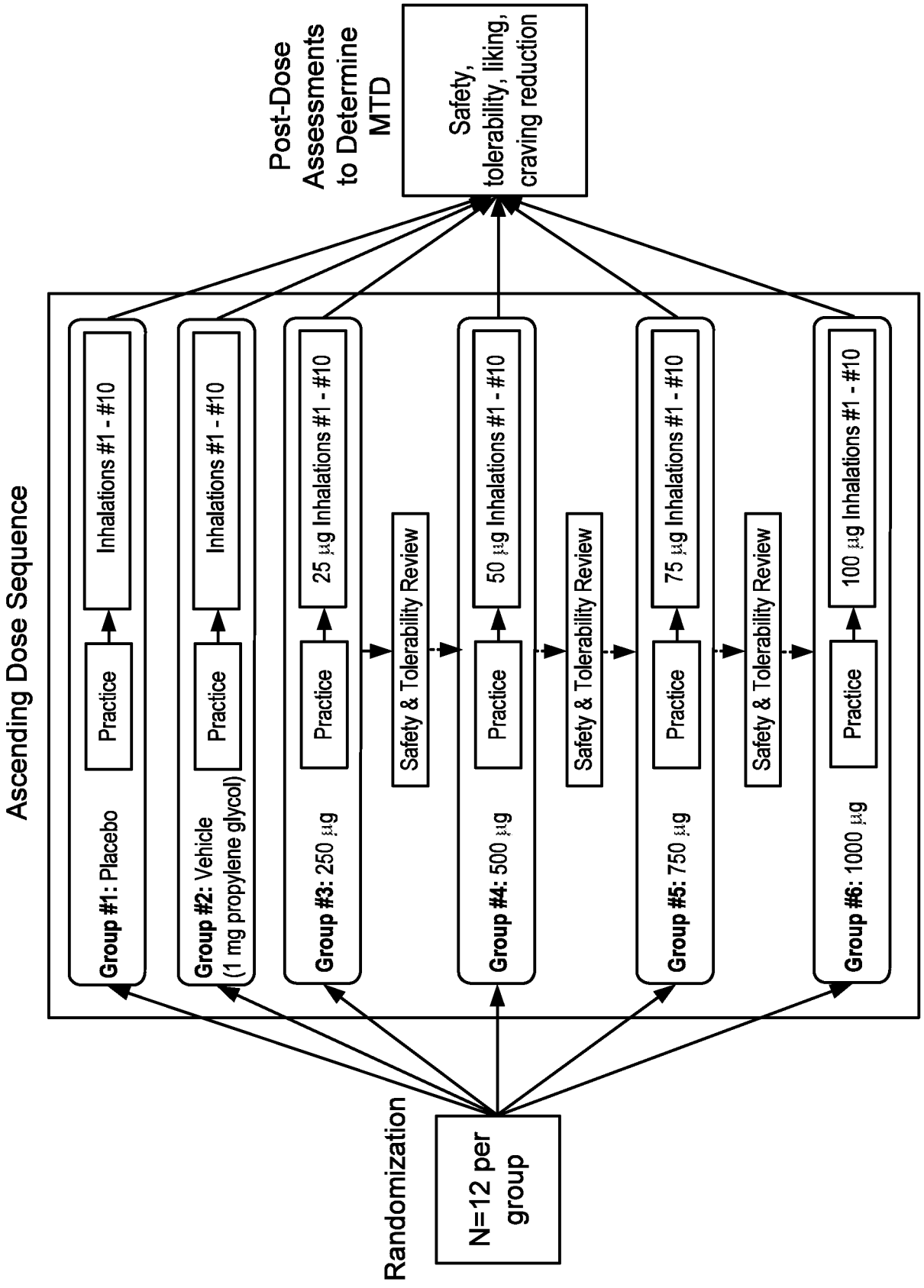

Ascending Dose Sequence
Randomization
N=12 per group
Group #1: Placebo
Group #2: Vehicle (1 mg propylene glycol)
Group #3: 250 µg
Group #4: 500 µg
Group #5: 750 µg
Group #6: 1000 µg
Practice
Inhalations #1 - #10
25 µg Inhalations #1 - #10
50 µg Inhalations #1 - #10
75 µg Inhalations #1 - #10
100 µg Inhalations #1 - #10
Safety & Tolerability Review
Post-Dose Assessments to Determine MTD
Safety, tolerability, liking, craving reduction

FIG. 42

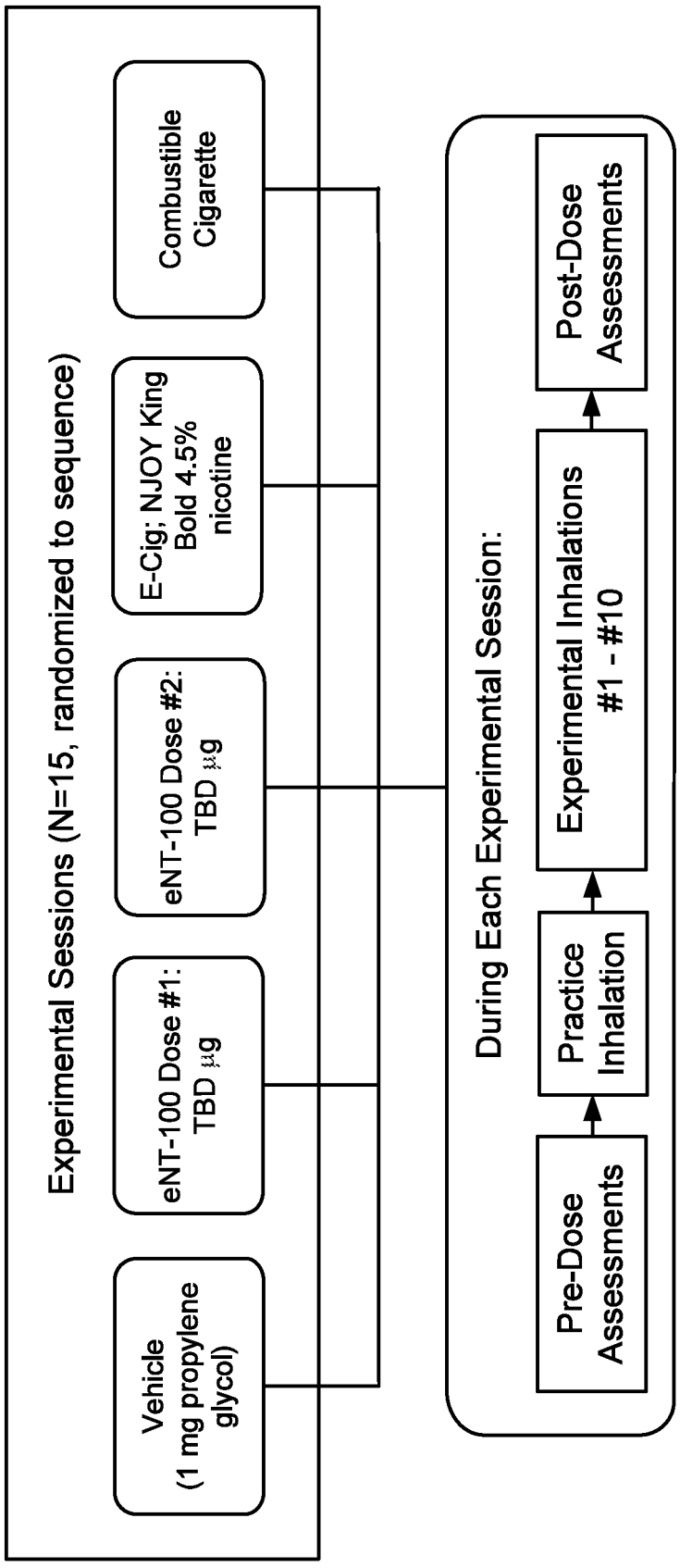

Experimental Sessions (N=15, randomized to sequence)
Vehicle (1 mg propylene glycol)
eNT-100 Dose #1: TBD µg
eNT-100 Dose #2: TBD µg
E-Cig; NJOY King Bold 4.5% nicotine
Combustible Cigarette
During Each Experimental Session:
Pre-Dose Assessments
Practice Inhalation
Experimental Inhalations #1 - #10
Post-Dose Assessments

FIG. 43

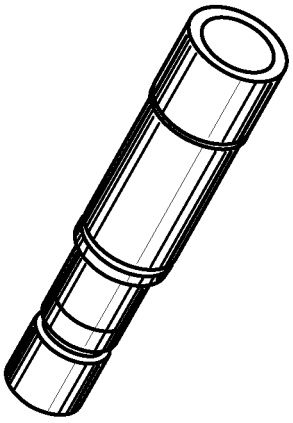
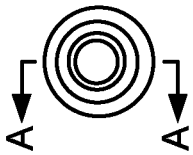


FIG. 44B



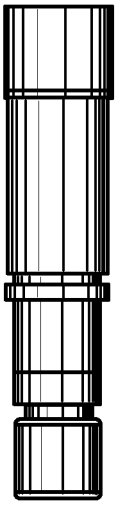


FIG. 44A

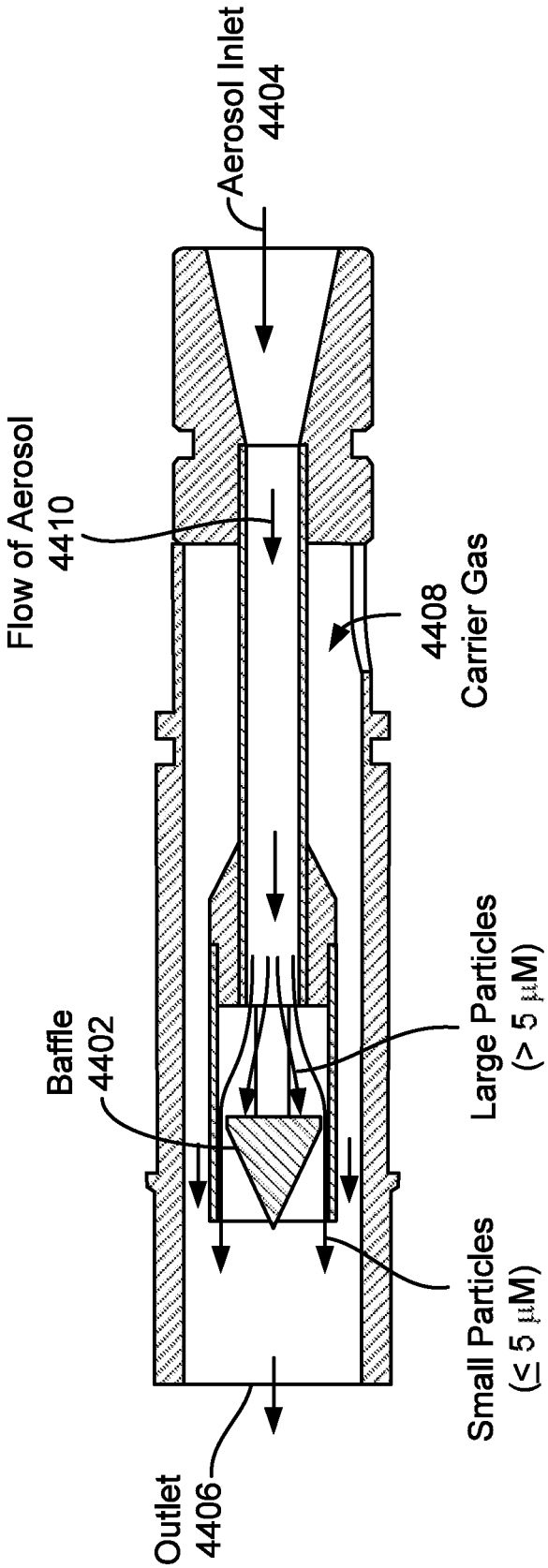


FIG. 44C