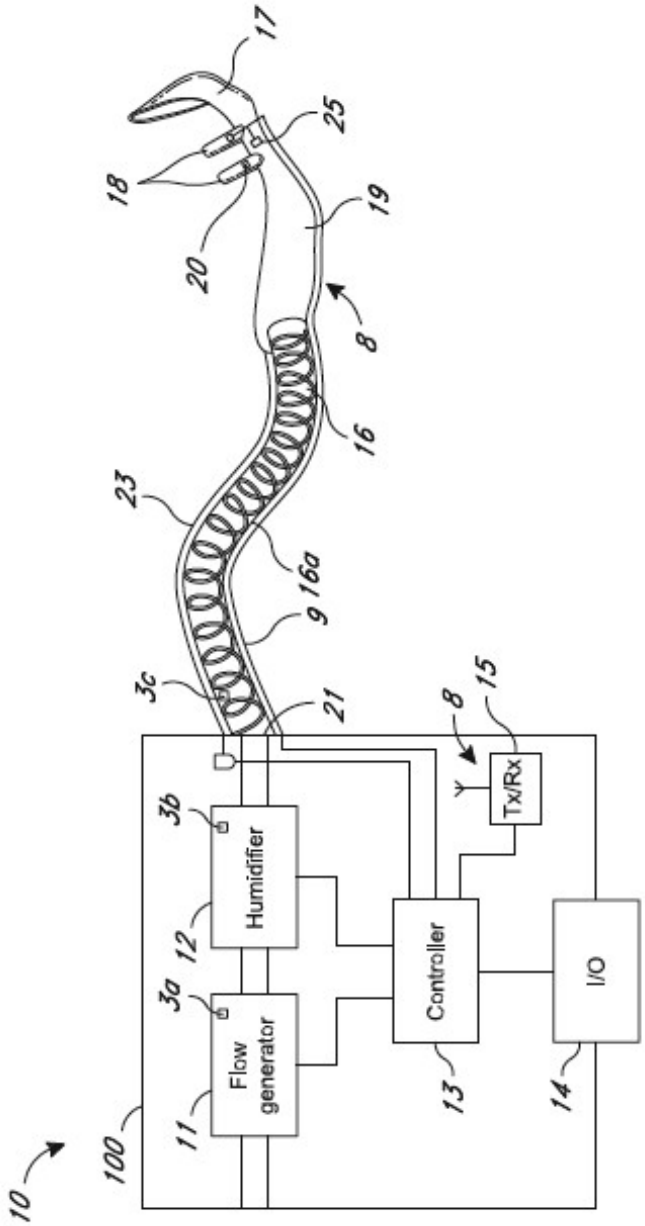

17
25
18
19
20
8
16
23
16a
9
3c
21
8
15
Tx/Rx
3b
Humidifier
12
3a
Flow generator
11
Controller
13
I/O
14
100
10

FIG. 1

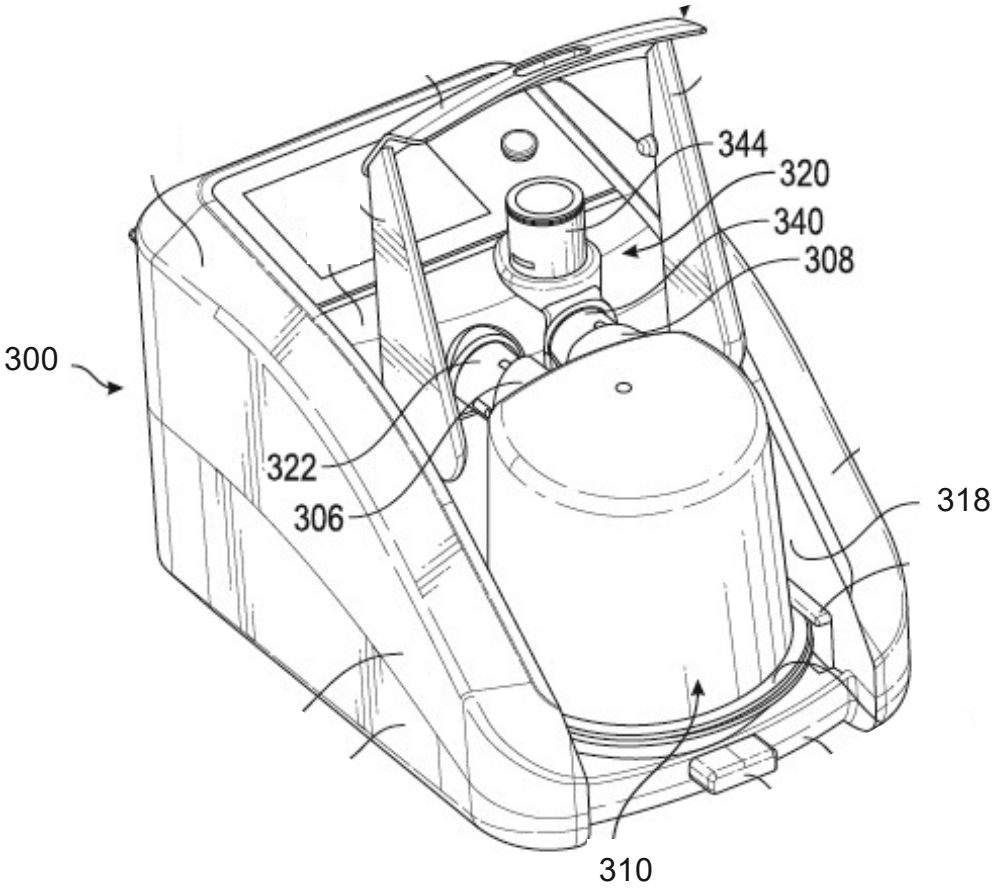


FIG. 2

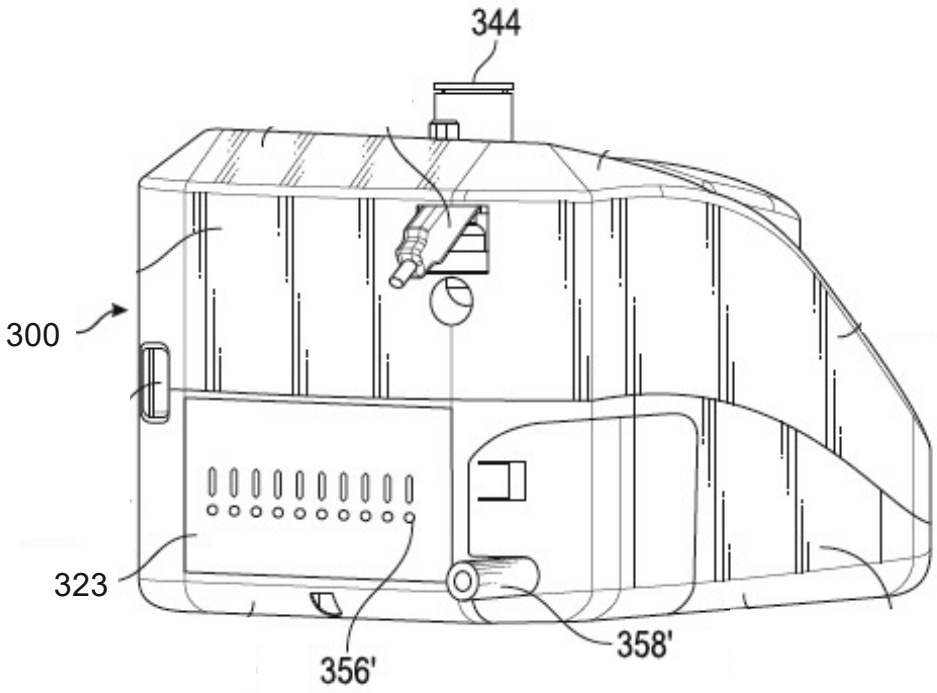


FIG. 3

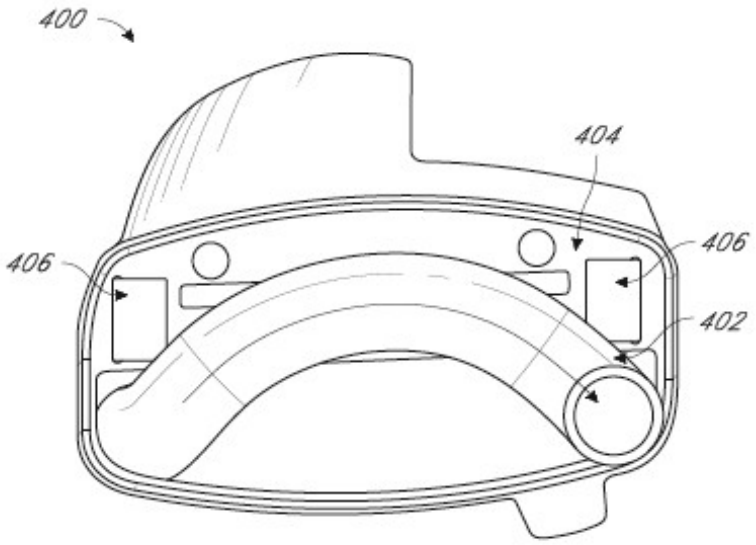


FIG. 4

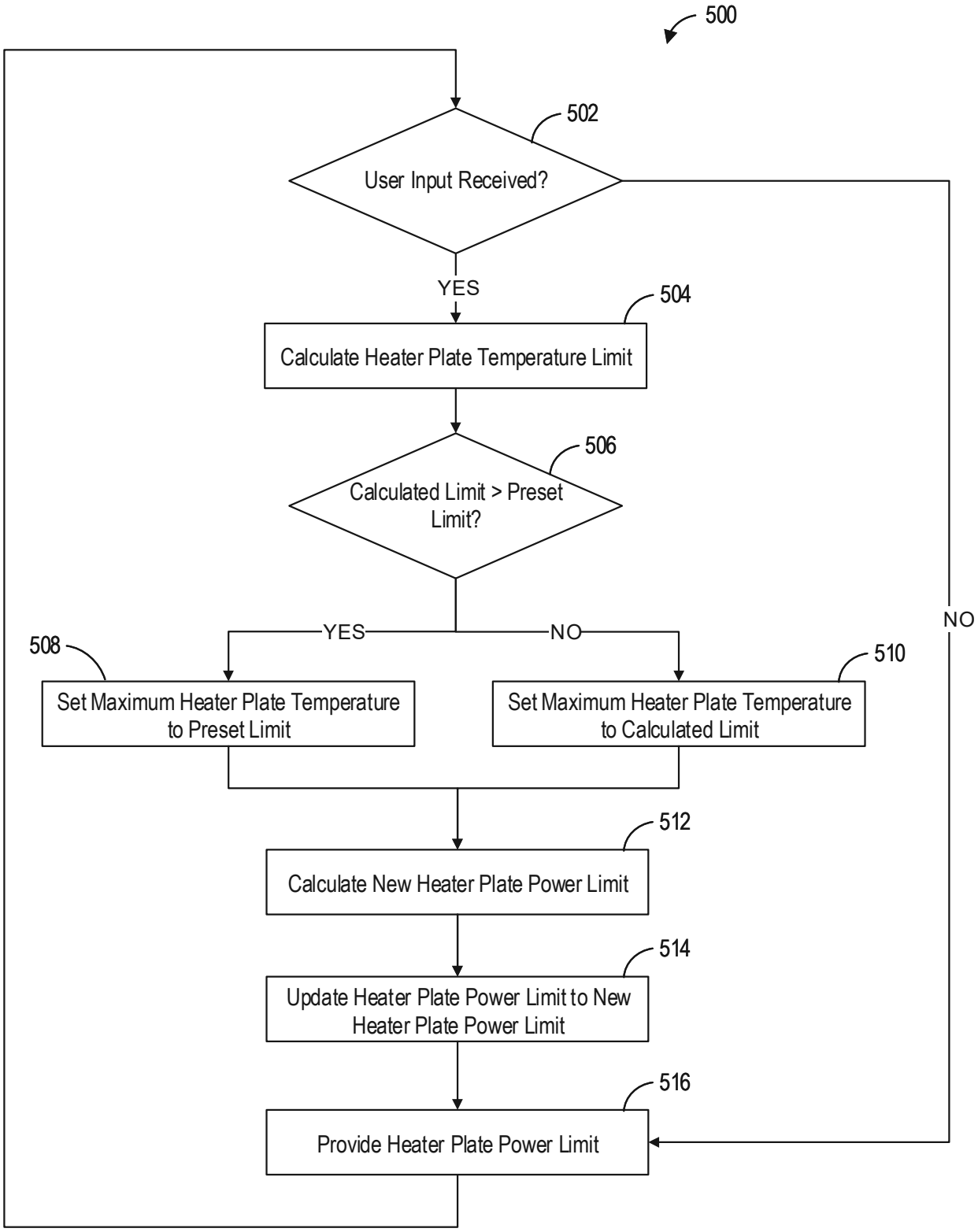

500
502
User Input Received?
YES
NO
504
Calculate Heater Plate Temperature Limit
506
Calculated Limit > Preset Limit?
YES
NO
508
Set Maximum Heater Plate Temperature to Preset Limit
510
Set Maximum Heater Plate Temperature to Calculated Limit
512
Calculate New Heater Plate Power Limit
514
Update Heater Plate Power Limit to New Heater Plate Power Limit
516
Provide Heater Plate Power Limit

FIG. 5

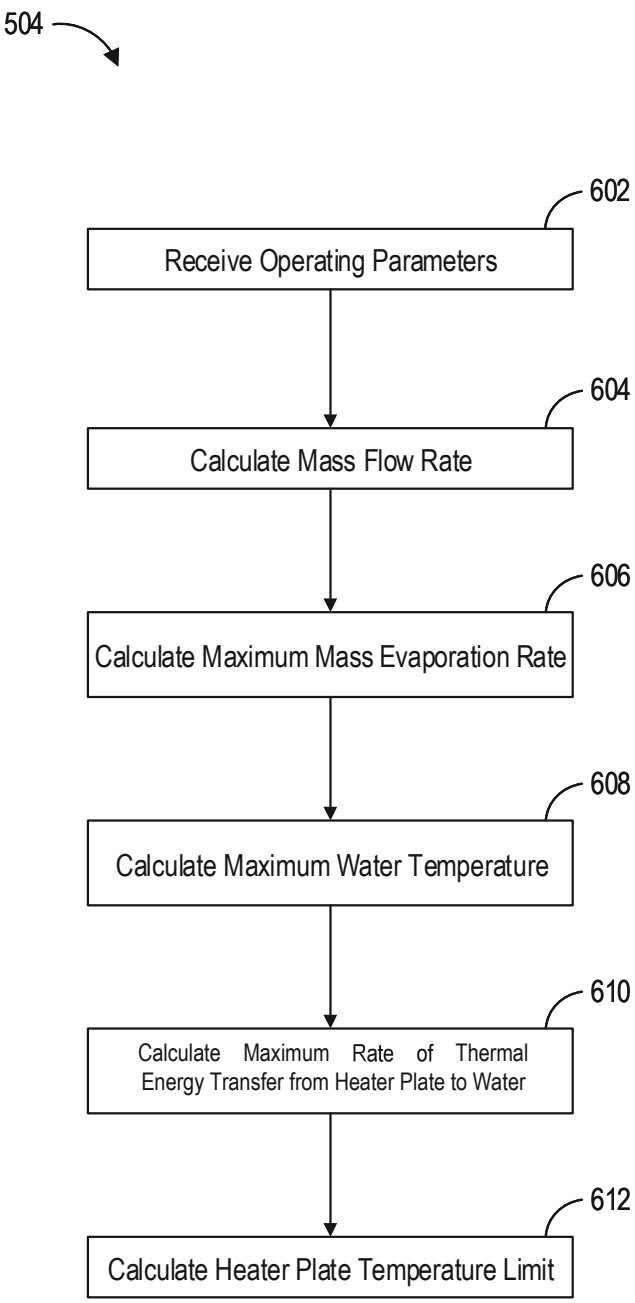

504
602
Receive Operating Parameters
604
Calculate Mass Flow Rate
606
Calculate Maximum Mass Evaporation Rate
608
Calculate Maximum Water Temperature
610
Calculate Maximum Rate of Thermal Energy Transfer from Heater Plate to Water
612
Calculate Heater Plate Temperature Limit

FIG. 6