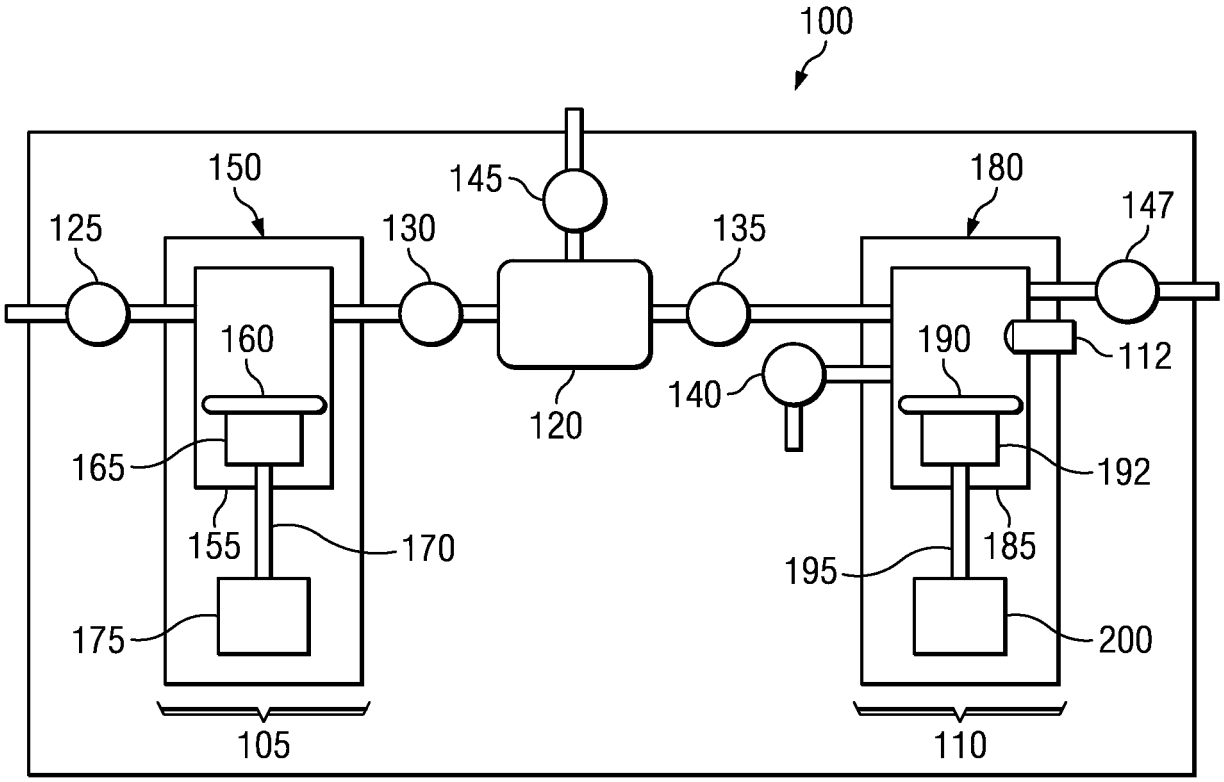

100
150
145
180
147
125
130
135
160
190
112
120
140
165
192
155
170
185
195
175
200
105
110

FIG. 1

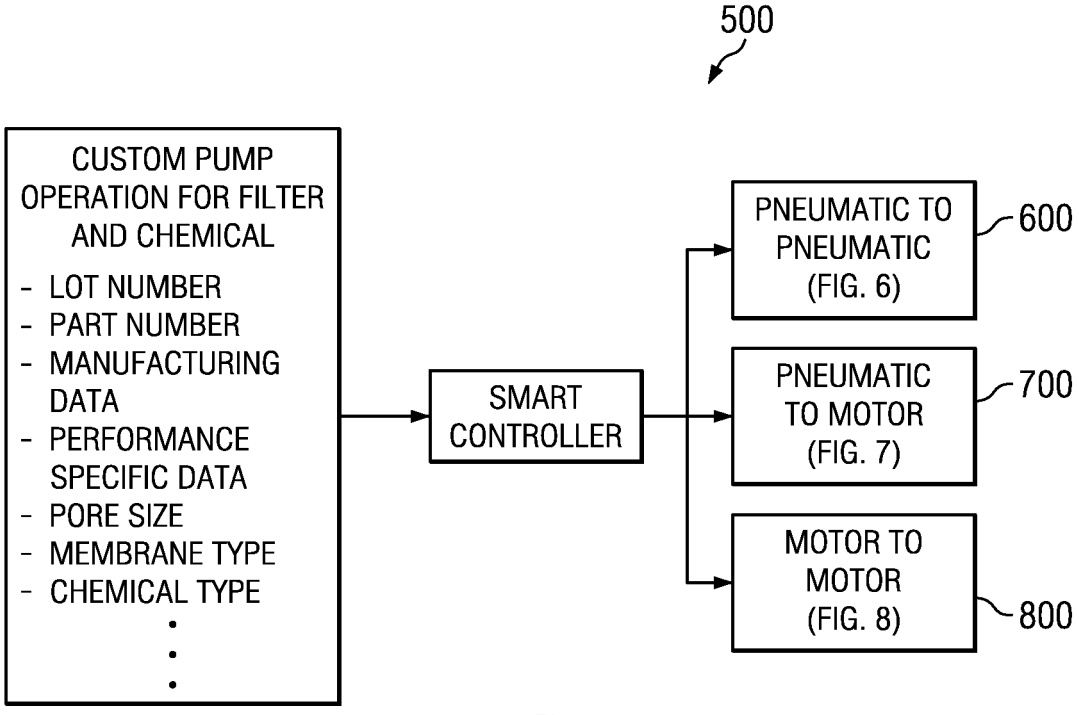

500
CUSTOM PUMP OPERATION FOR FILTER AND CHEMICAL
- LOT NUMBER
- PART NUMBER
- MANUFACTURING DATA
- PERFORMANCE SPECIFIC DATA
- PORE SIZE
- MEMBRANE TYPE
- CHEMICAL TYPE
SMART CONTROLLER
PNEUMATIC TO PNEUMATIC (FIG. 6)
600
PNEUMATIC TO MOTOR (FIG. 7)
700
MOTOR TO MOTOR (FIG. 8)
800

FIG. 5

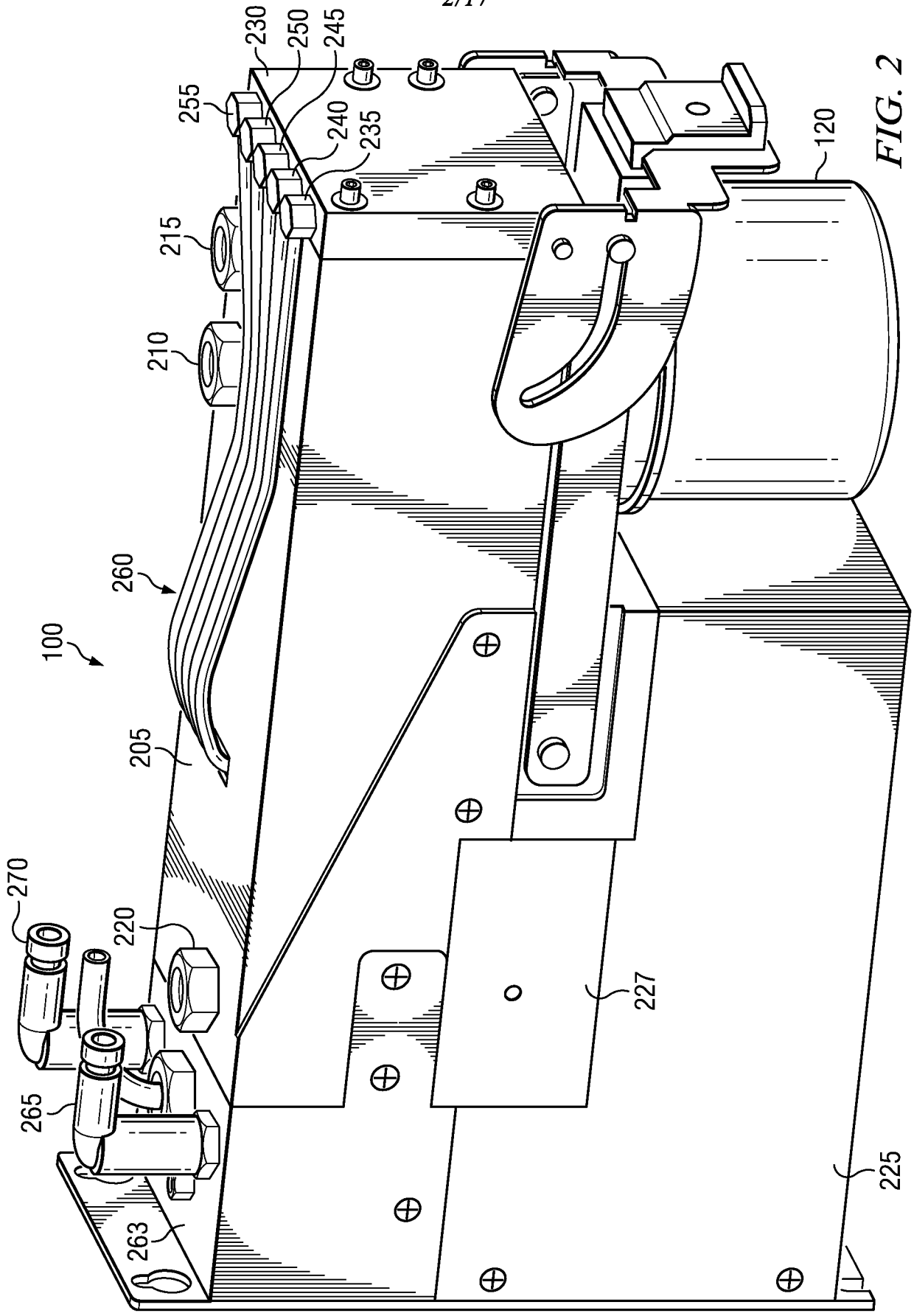

230
250
245
255
240
235
215
210
260
100
205
270
220
265
263
227
225
120

FIG. 2

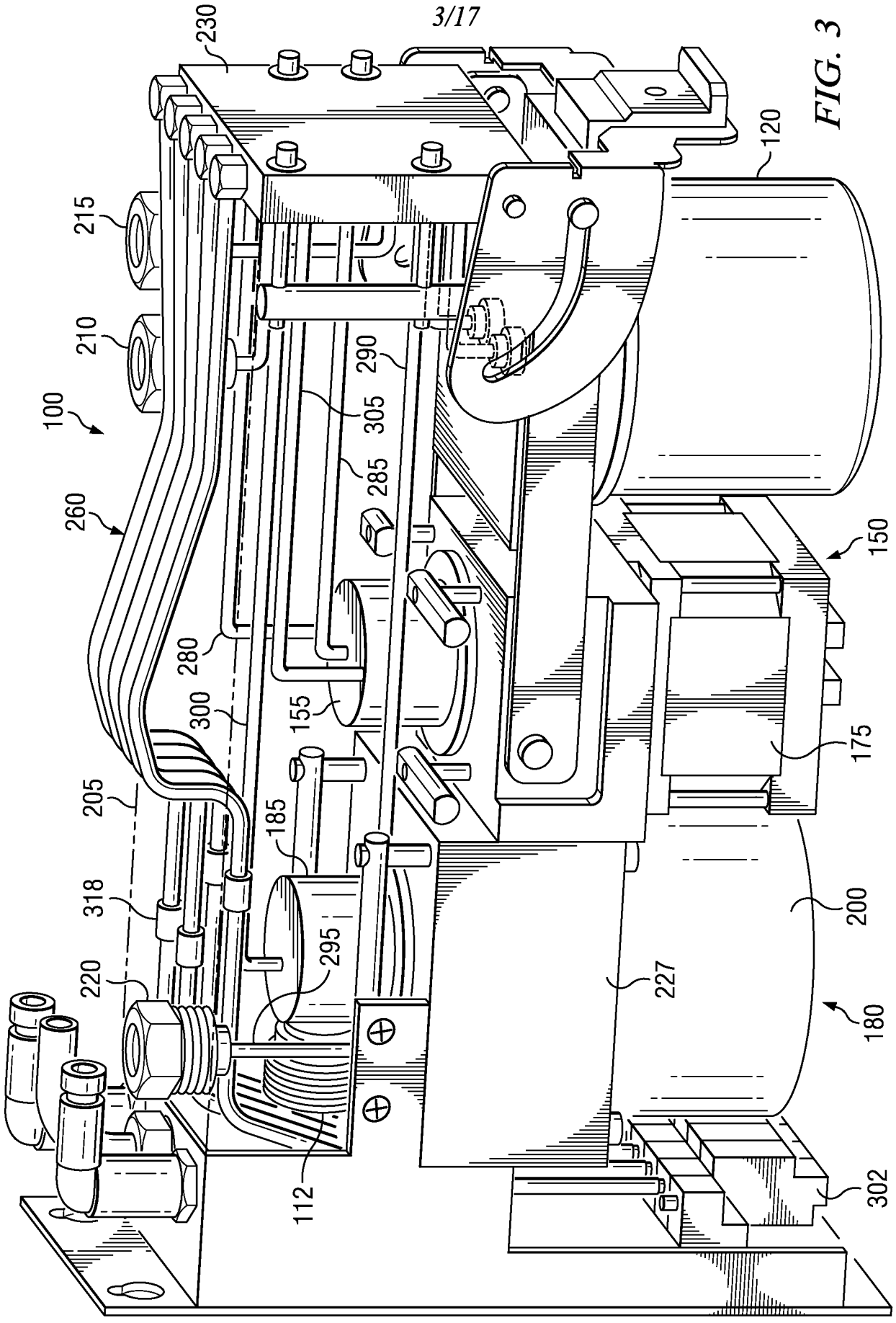

230
120
215
210
100
290
305
285
260
150
280
300
155
175
205
185
318
200
295
220
227
180
112
302

FIG. 3

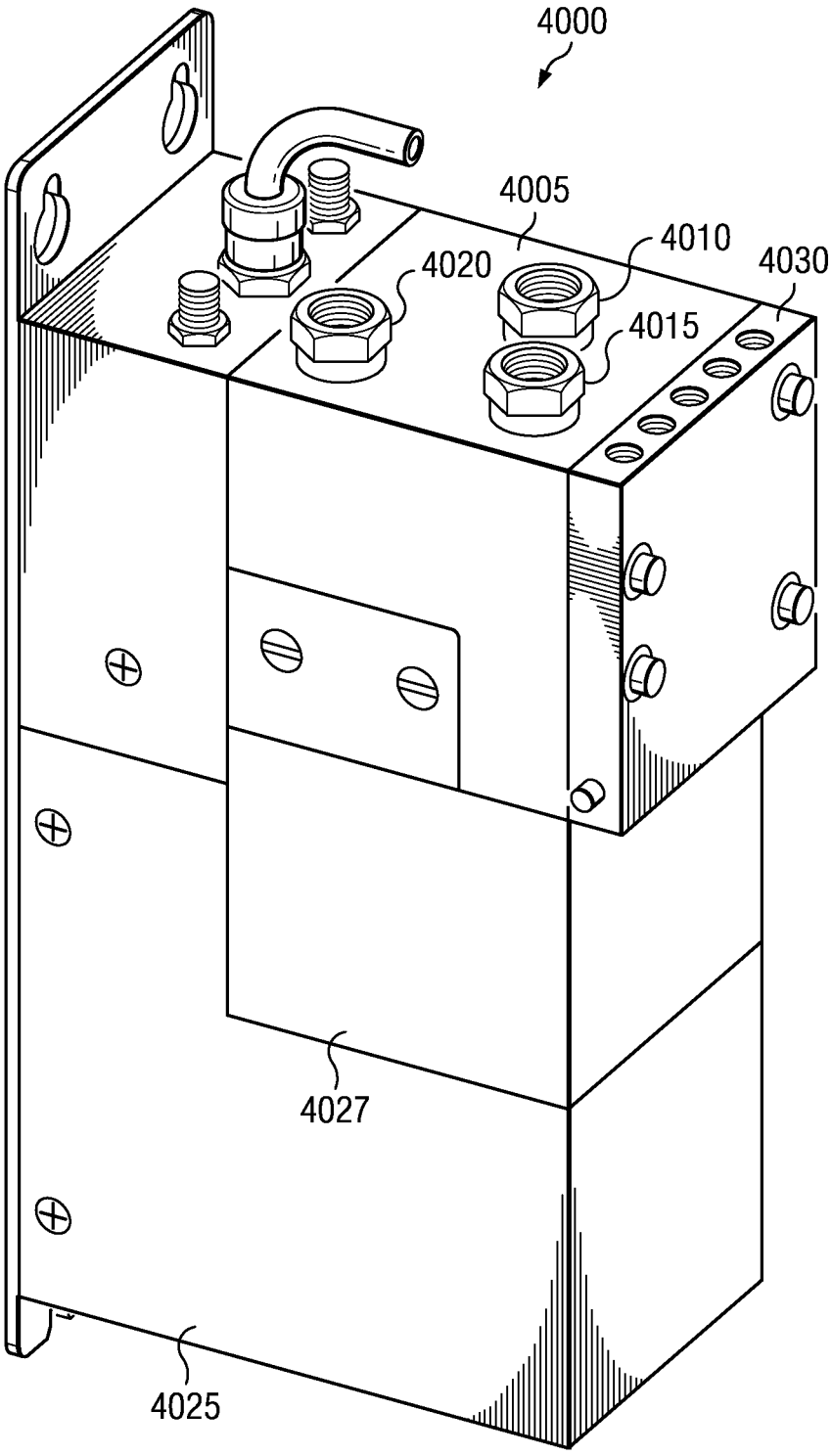


FIG. 4

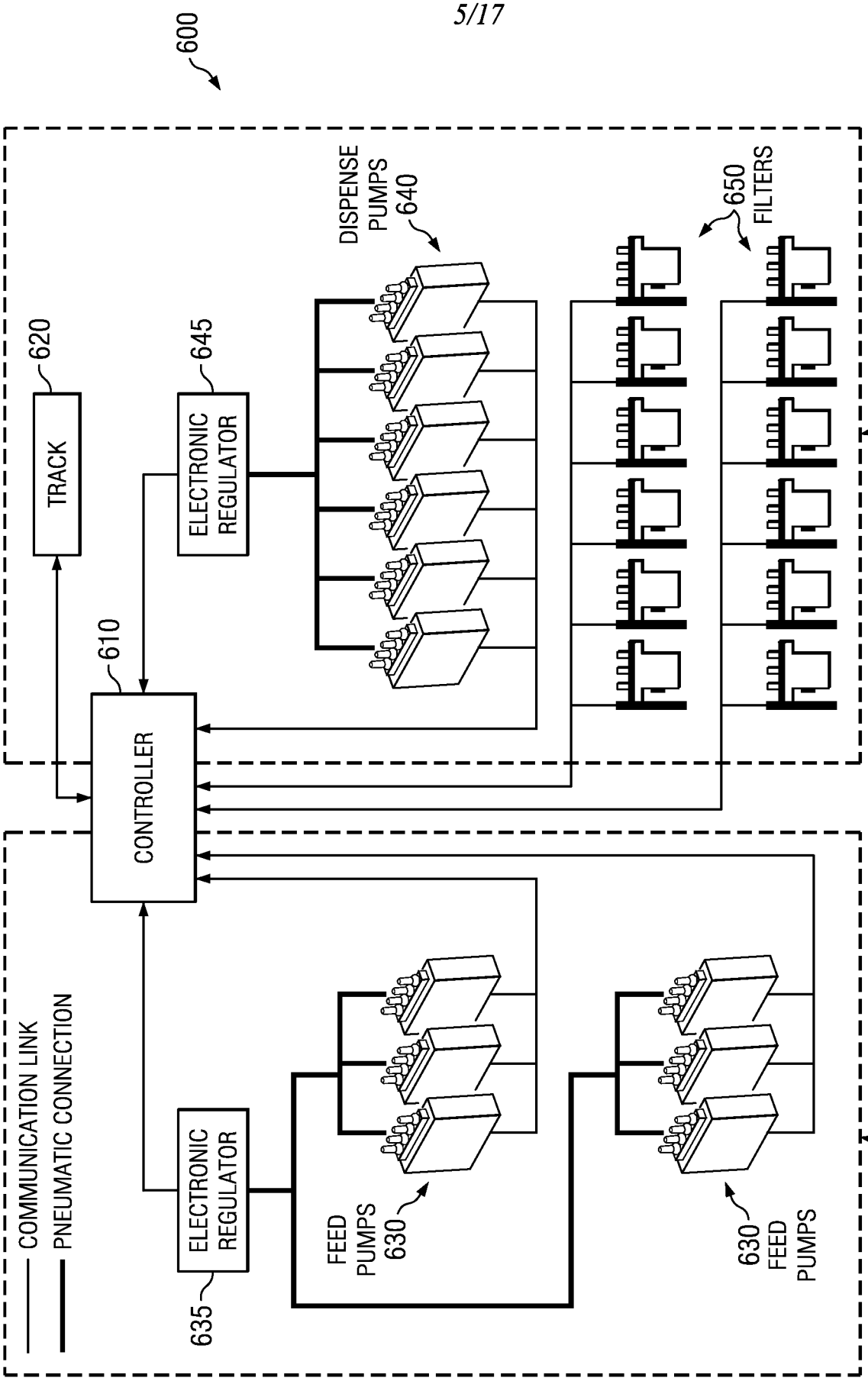

600
DISPENSE PUMPS 640
650 FILTERS
620
TRACK
645
ELECTRONIC REGULATOR
602
610
CONTROLLER
COMMUNICATION LINK
PNEUMATIC CONNECTION
635
ELECTRONIC REGULATOR
FEED PUMPS 630
630 FEED PUMPS
601

FIG. 6

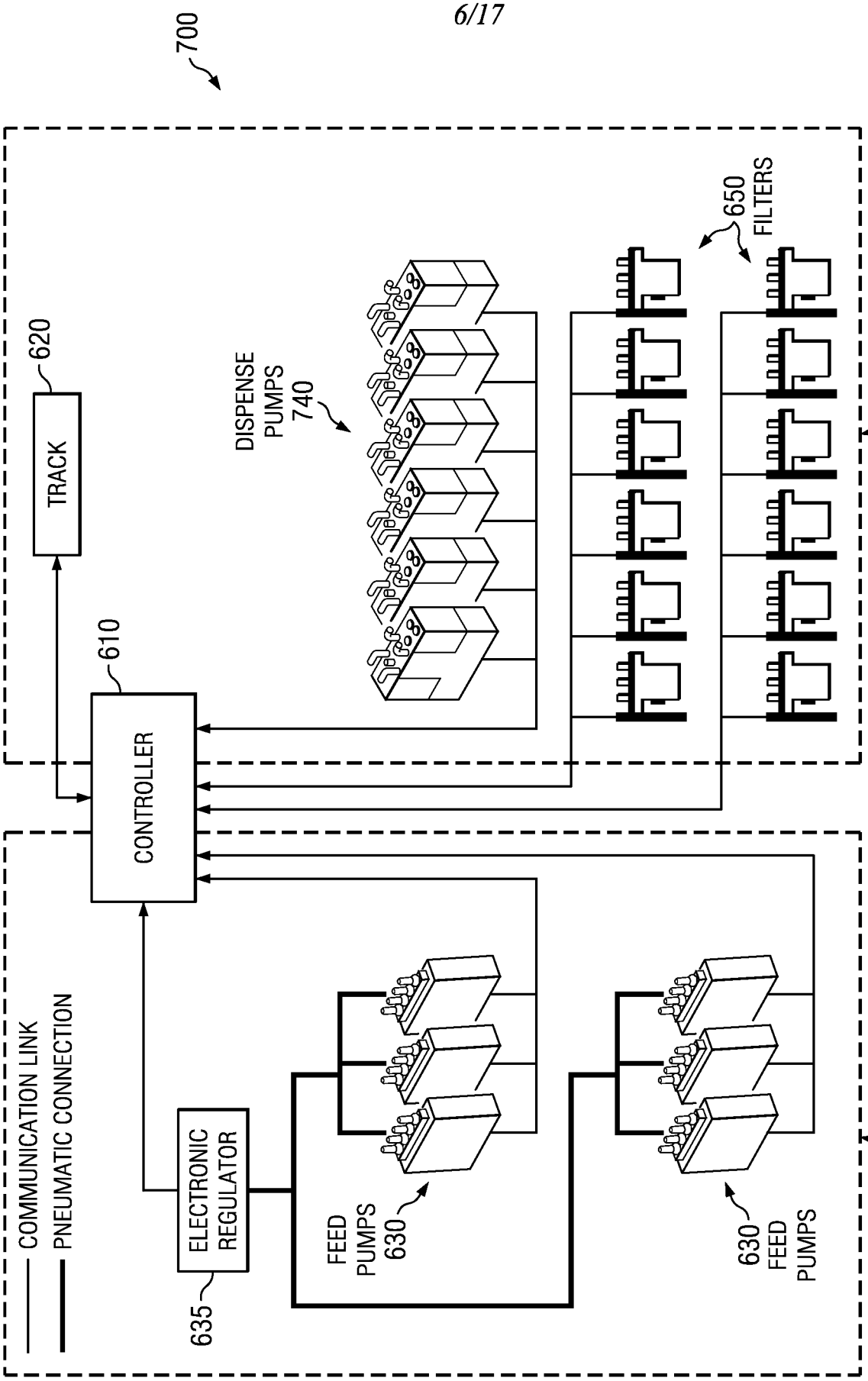

700
620
TRACK
610
CONTROLLER
DISPENSE PUMPS 740
650 FILTERS
602
601
630 FEED PUMPS
FEED PUMPS 630
635
ELECTRONIC REGULATOR
COMMUNICATION LINK
PNEUMATIC CONNECTION

FIG. 7

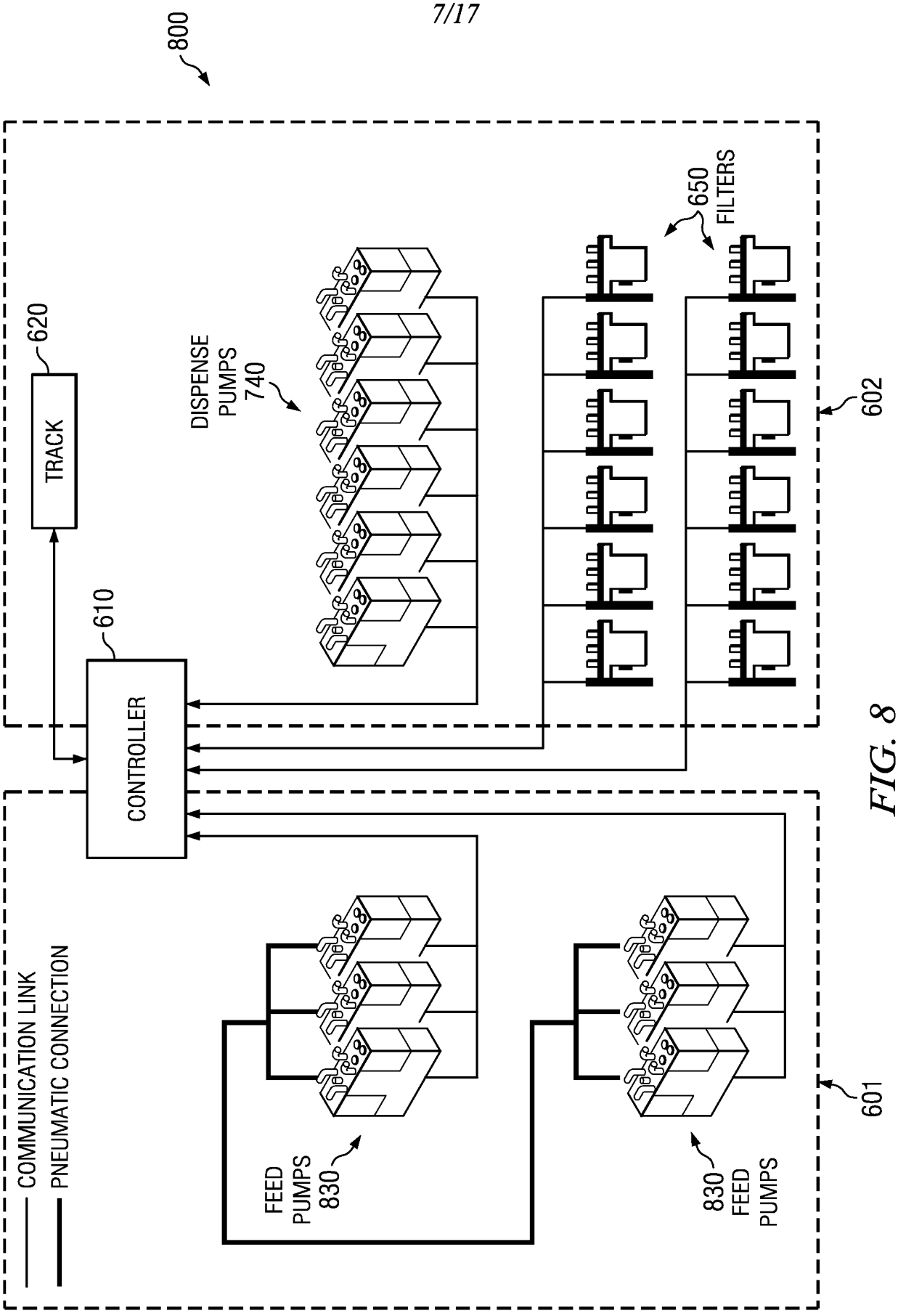

800
620
TRACK
610
CONTROLLER
DISPENSE PUMPS 740
650 FILTERS
602
601
FEED PUMPS 830
830 FEED PUMPS
COMMUNICATION LINK
PNEUMATIC CONNECTION

FIG. 8

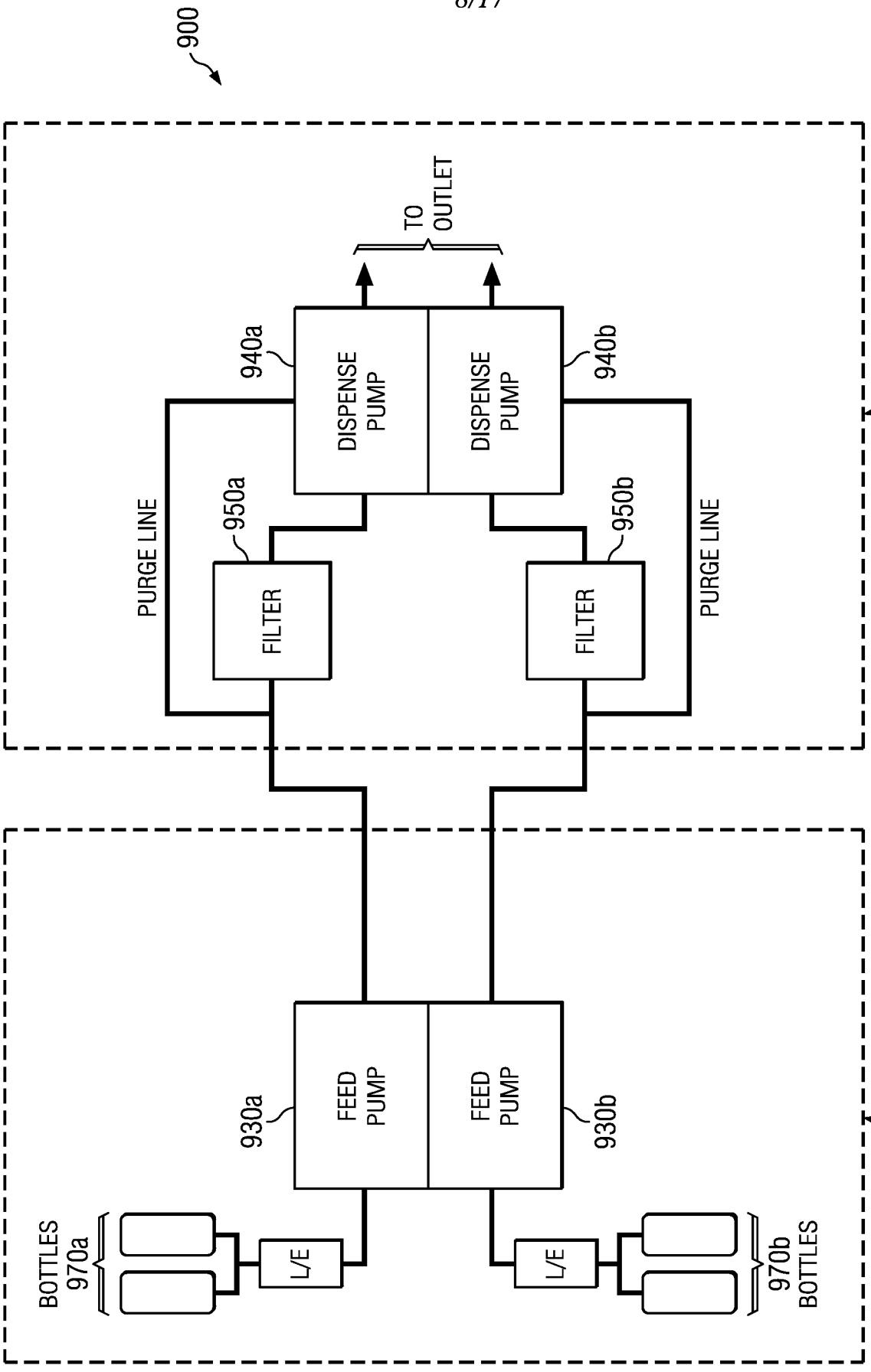

900
TO OUTLET
940a
DISPENSE PUMP
DISPENSE PUMP
940b
902
PURGE LINE
950a
FILTER
FILTER
950b
PURGE LINE
930a
FEED PUMP
FEED PUMP
930b
901
BOTTLES 970a
L/E
L/E
970b BOTTLES

FIG. 9

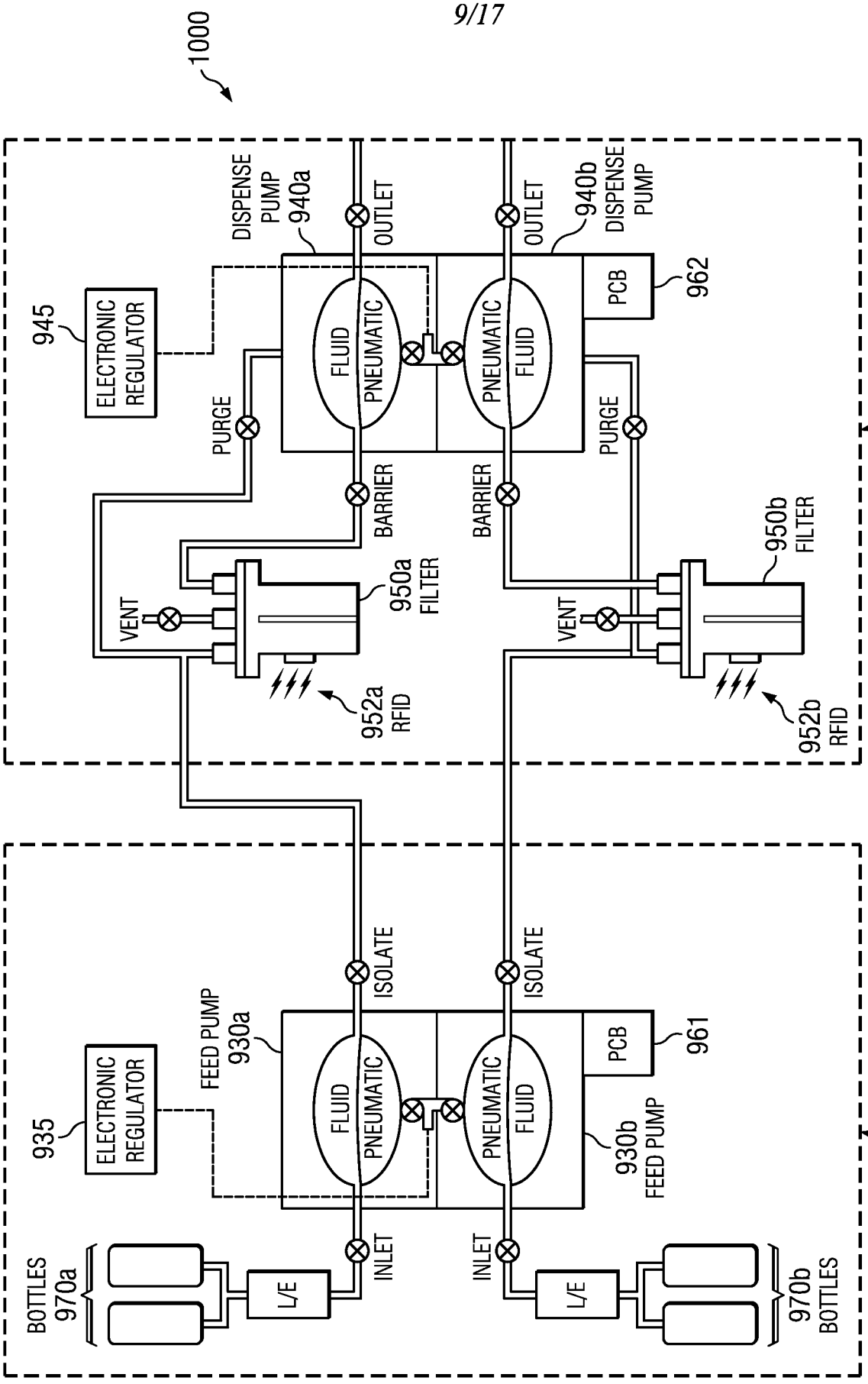

1000
902
901
DISPENSE PUMP 940a
OUTLET
940b DISPENSE PUMP
945
ELECTRONIC REGULATOR
FLUID
PNEUMATIC
PCB
962
PURGE
BARRIER
950a FILTER
950b FILTER
VENT
952a RFID
952b RFID
FEED PUMP 930a
ISOLATE
935
961
930b FEED PUMP
INLET
L/E
BOTTLES 970a
970b BOTTLES

FIG. 10

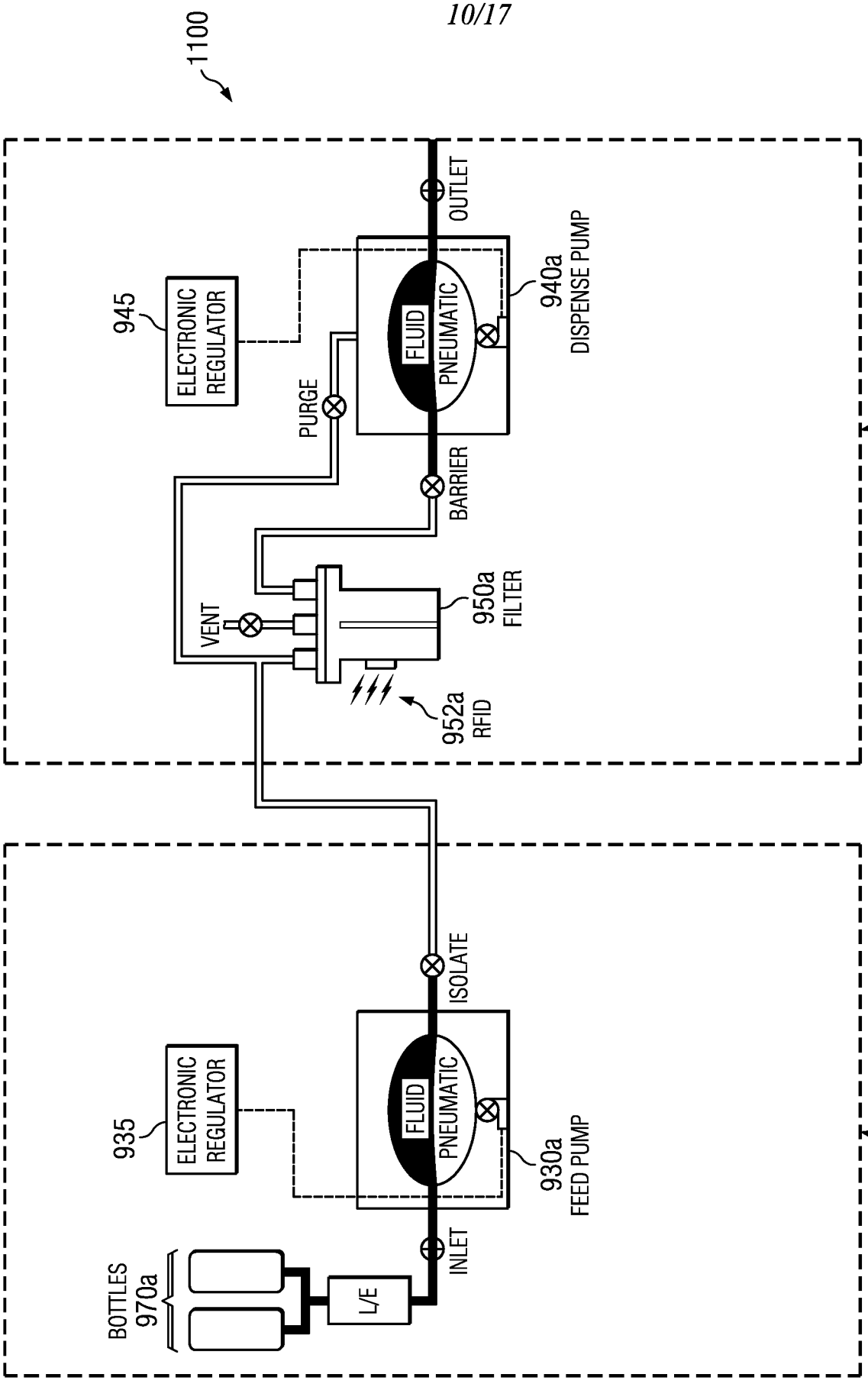

1100
902
901
OUTLET
940a
DISPENSE PUMP
FLUID
PNEUMATIC
945
ELECTRONIC
REGULATOR
PURGE
BARRIER
VENT
950a
FILTER
952a
RFID
ISOLATE
935
ELECTRONIC
REGULATOR
930a
FEED PUMP
INLET
BOTTLES
970a
L/E

FIG. 11

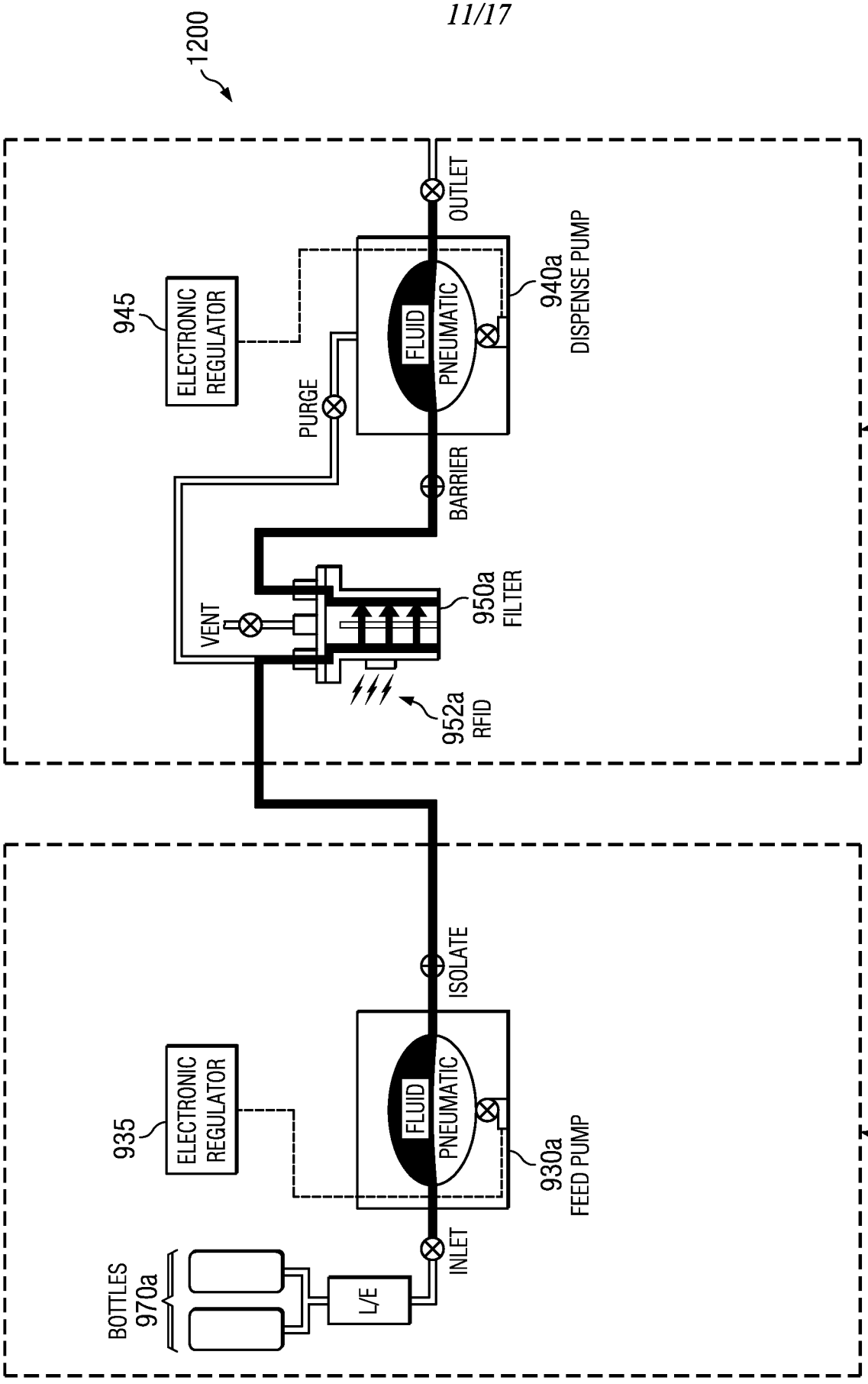

1200
902
901
OUTLET
940a
DISPENSE PUMP
FLUID
PNEUMATIC
945
ELECTRONIC
REGULATOR
PURGE
BARRIER
VENT
950a
FILTER
952a
RFID
ISOLATE
935
ELECTRONIC
REGULATOR
930a
FEED PUMP
INLET
BOTTLES
970a
L/E

FIG. 12

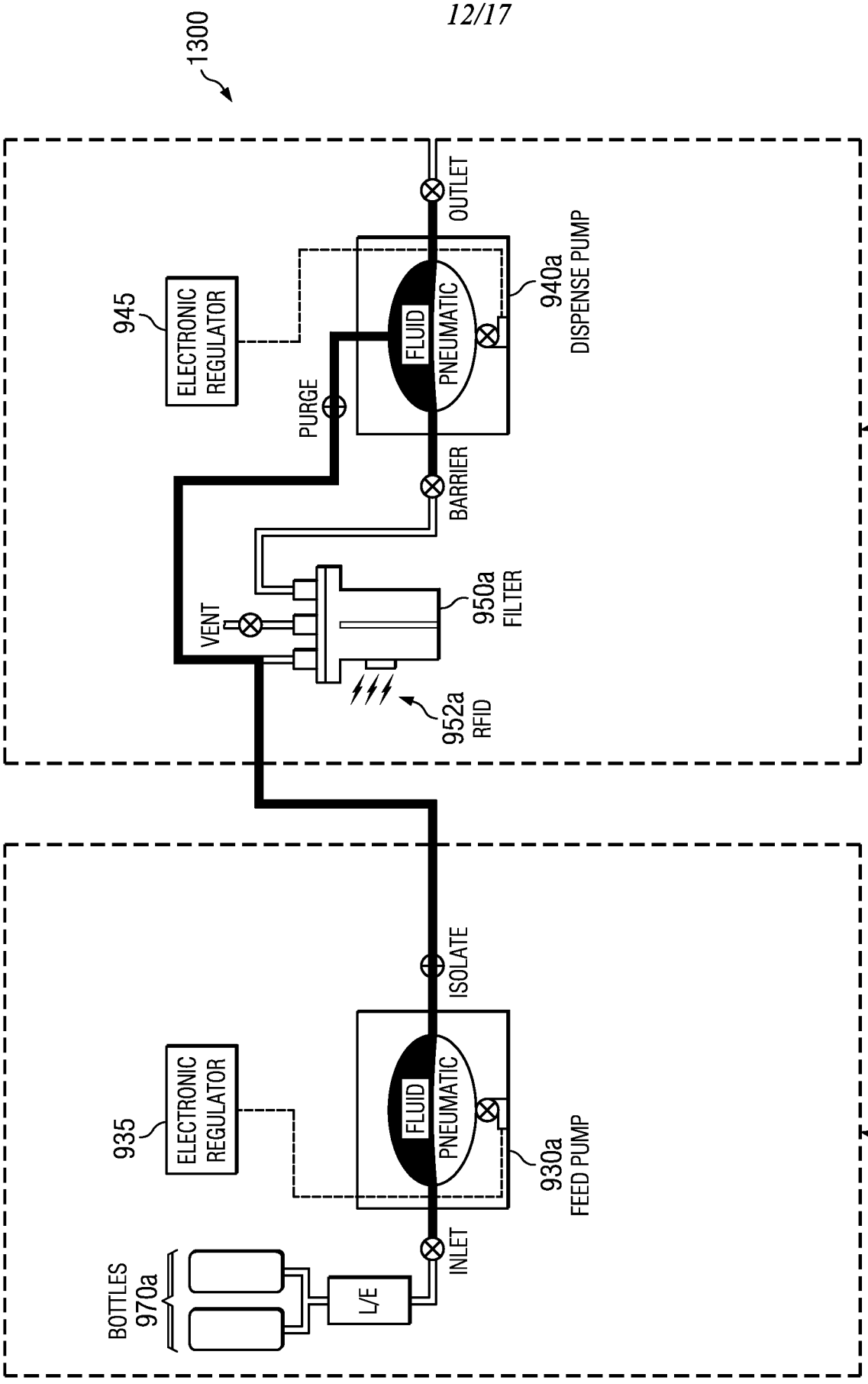

1300
902
901
OUTLET
940a
DISPENSE PUMP
945
ELECTRONIC
REGULATOR
FLUID
PNEUMATIC
PURGE
BARRIER
VENT
950a
FILTER
952a
RFID
ISOLATE
935
ELECTRONIC
REGULATOR
930a
FEED PUMP
INLET
BOTTLES
970a
L/E

FIG. 13

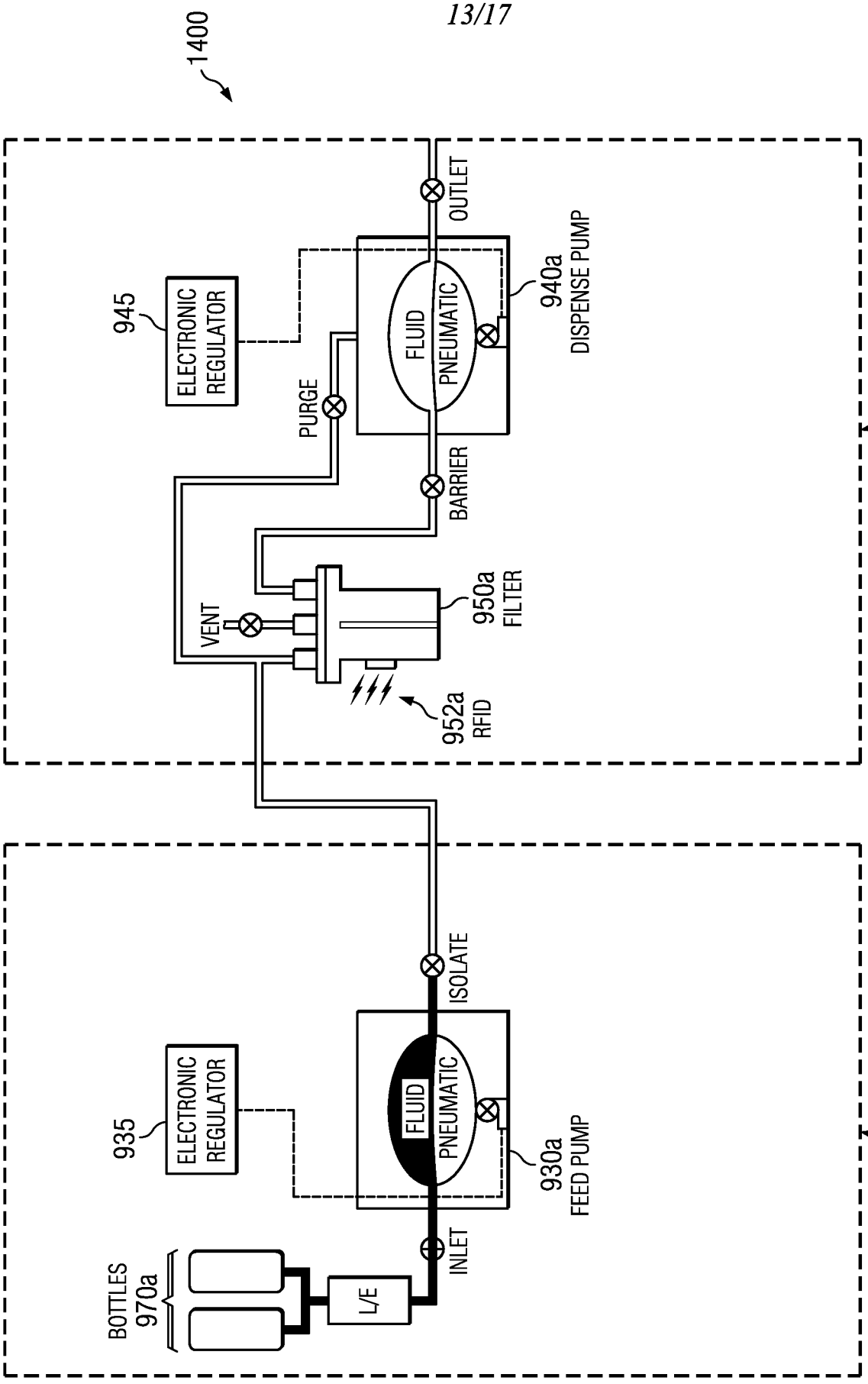

1400
902
901
OUTLET
940a
DISPENSE PUMP
945
ELECTRONIC
REGULATOR
FLUID
PNEUMATIC
PURGE
BARRIER
VENT
950a
FILTER
952a
RFID
ISOLATE
935
ELECTRONIC
REGULATOR
930a
FEED PUMP
INLET
BOTTLES
970a
L/E

FIG. 14

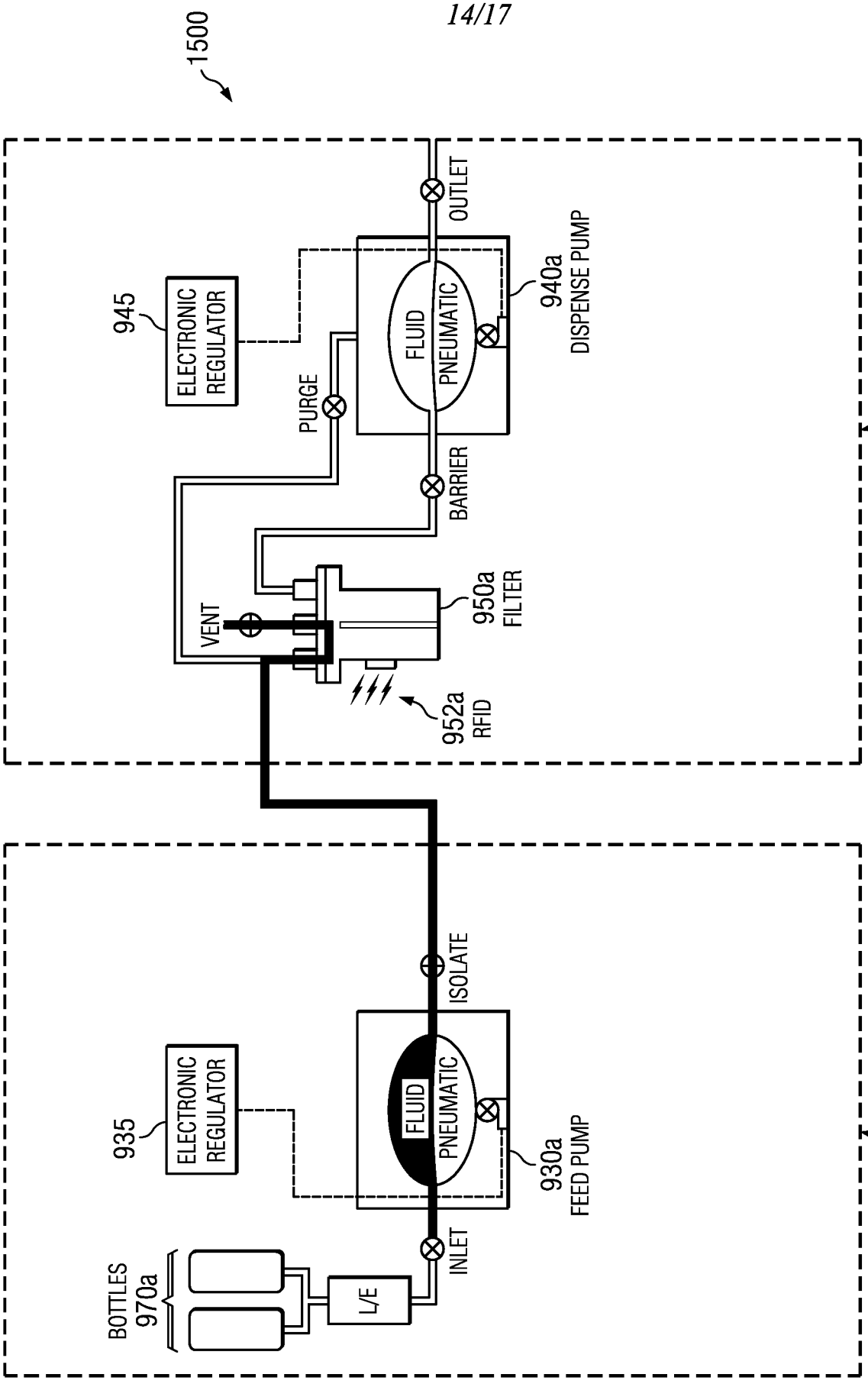

1500
902
901
OUTLET
940a
DISPENSE PUMP
FLUID
PNEUMATIC
945
ELECTRONIC
REGULATOR
PURGE
BARRIER
VENT
950a
FILTER
952a
RFID
ISOLATE
935
ELECTRONIC
REGULATOR
930a
FEED PUMP
INLET
BOTTLES
970a
L/E

FIG. 15

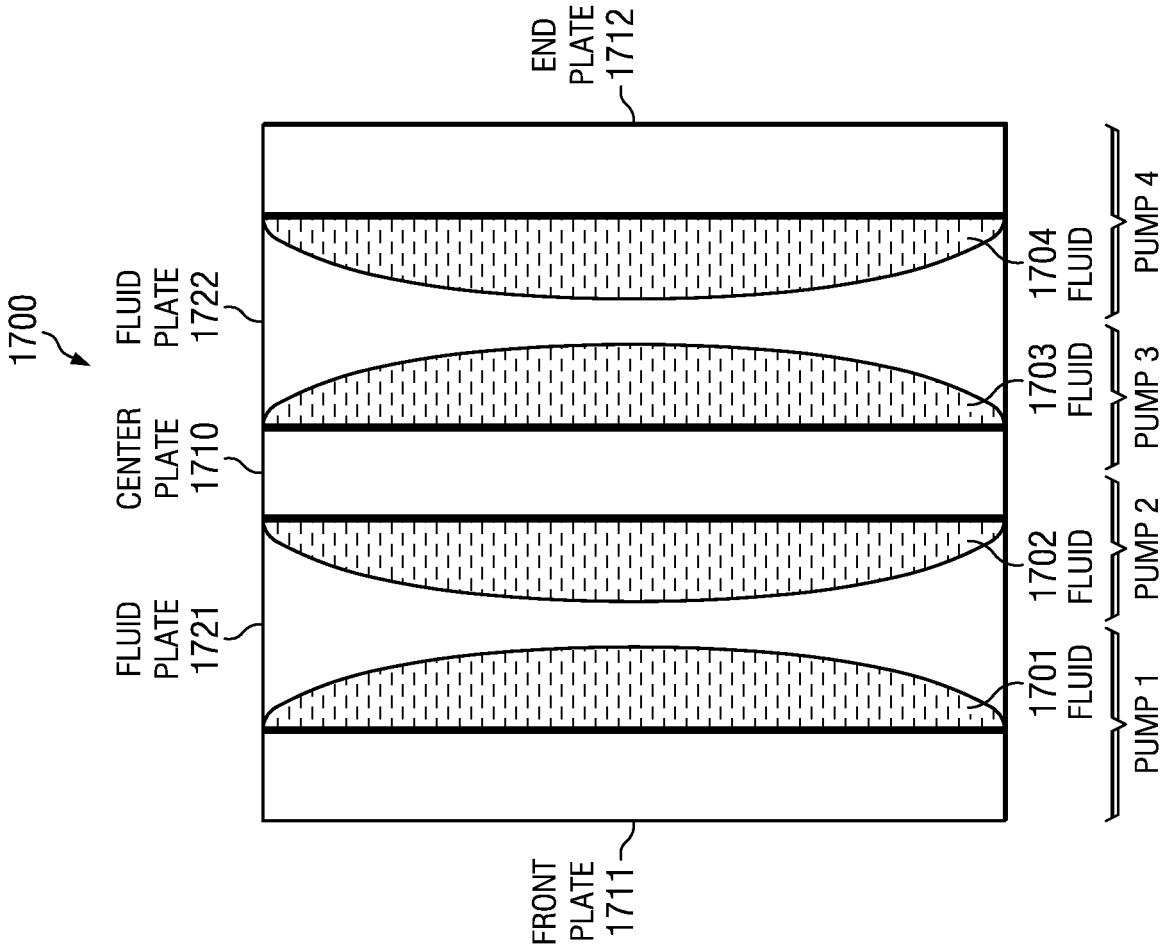

1700
END PLATE 1712
FLUID PLATE 1722
CENTER PLATE 1710
FLUID PLATE 1721
FRONT PLATE 1711
1704 FLUID
1703 FLUID
1702 FLUID
1701 FLUID
PUMP 4
PUMP 3
PUMP 2
PUMP 1

FIG. 17

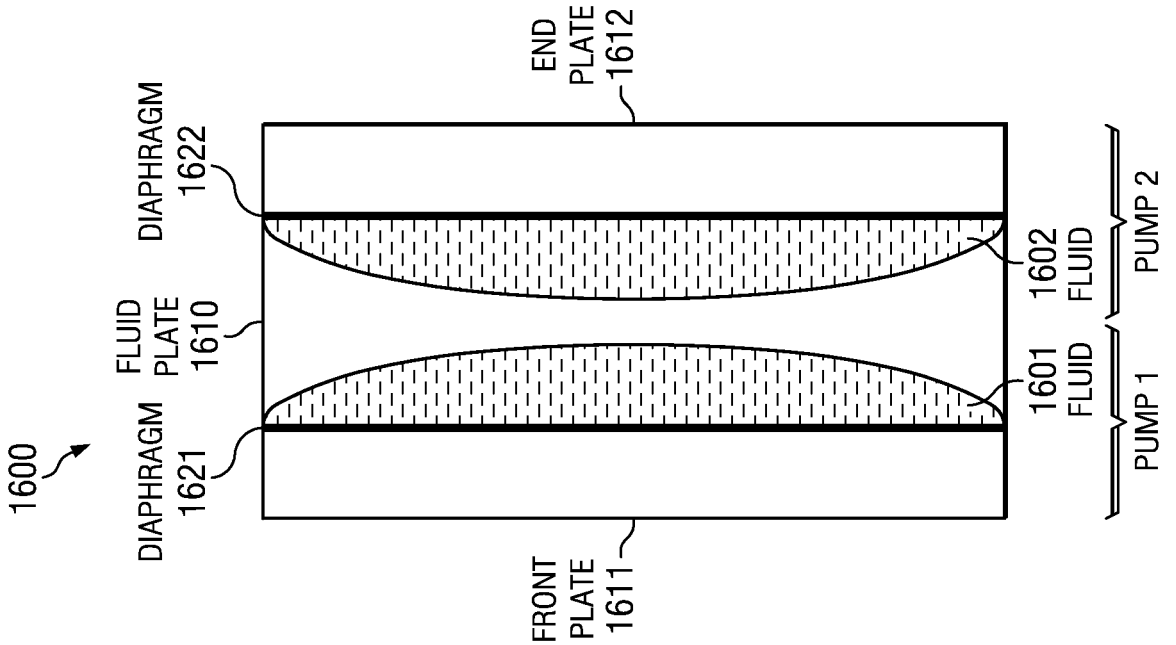

1600
END PLATE 1612
DIAPHRAGM 1622
FLUID PLATE 1610
DIAPHRAGM 1621
FRONT PLATE 1611
1602 FLUID
1601 FLUID
PUMP 2
PUMP 1

FIG. 16

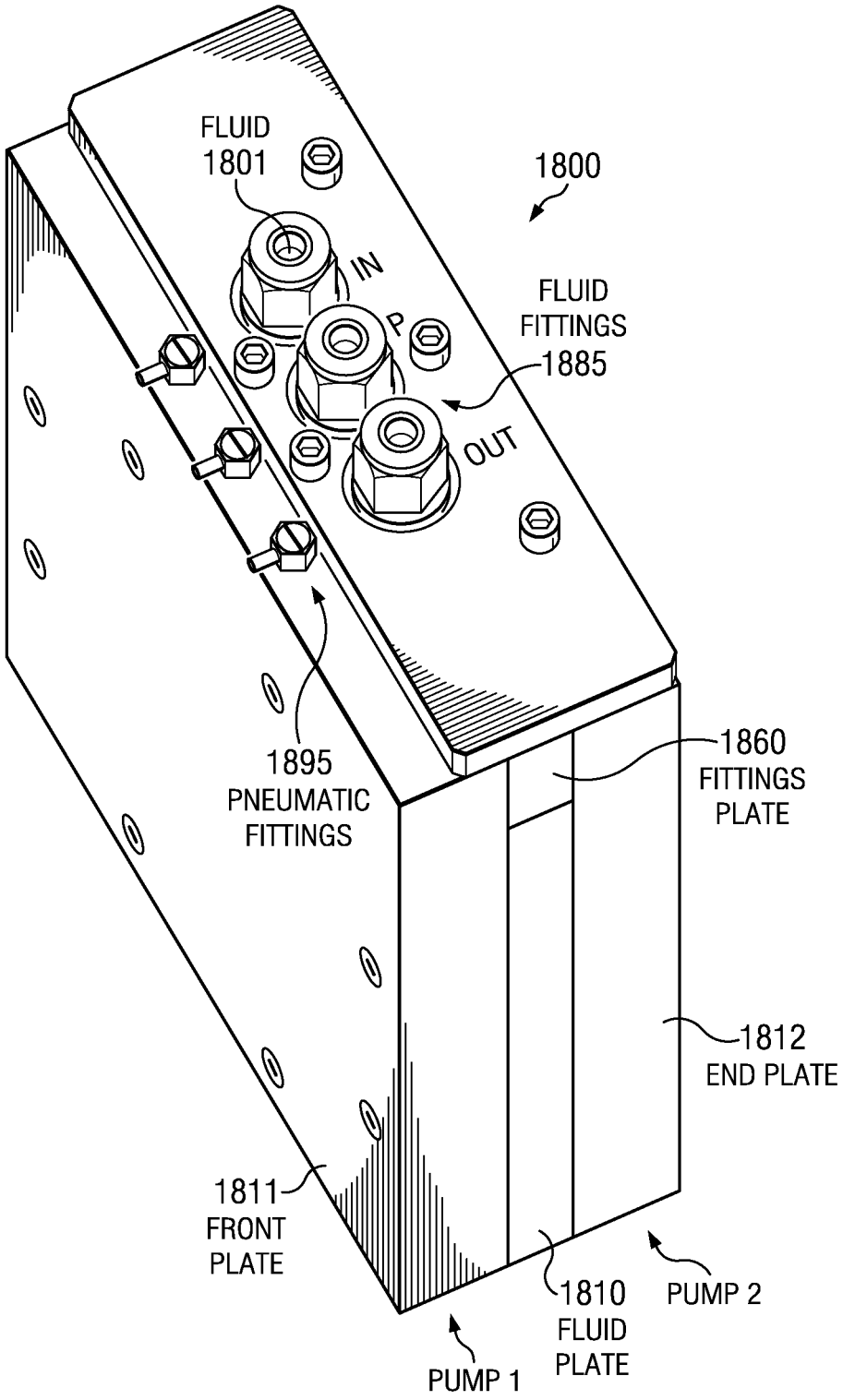

FLUID
1801
1800
IN
P
OUT
FLUID
FITTINGS
1885
1895
PNEUMATIC
FITTINGS
1860
FITTINGS
PLATE
1812
END PLATE
1811
FRONT
PLATE
1810
FLUID
PLATE
PUMP 2
PUMP 1

FIG. 18

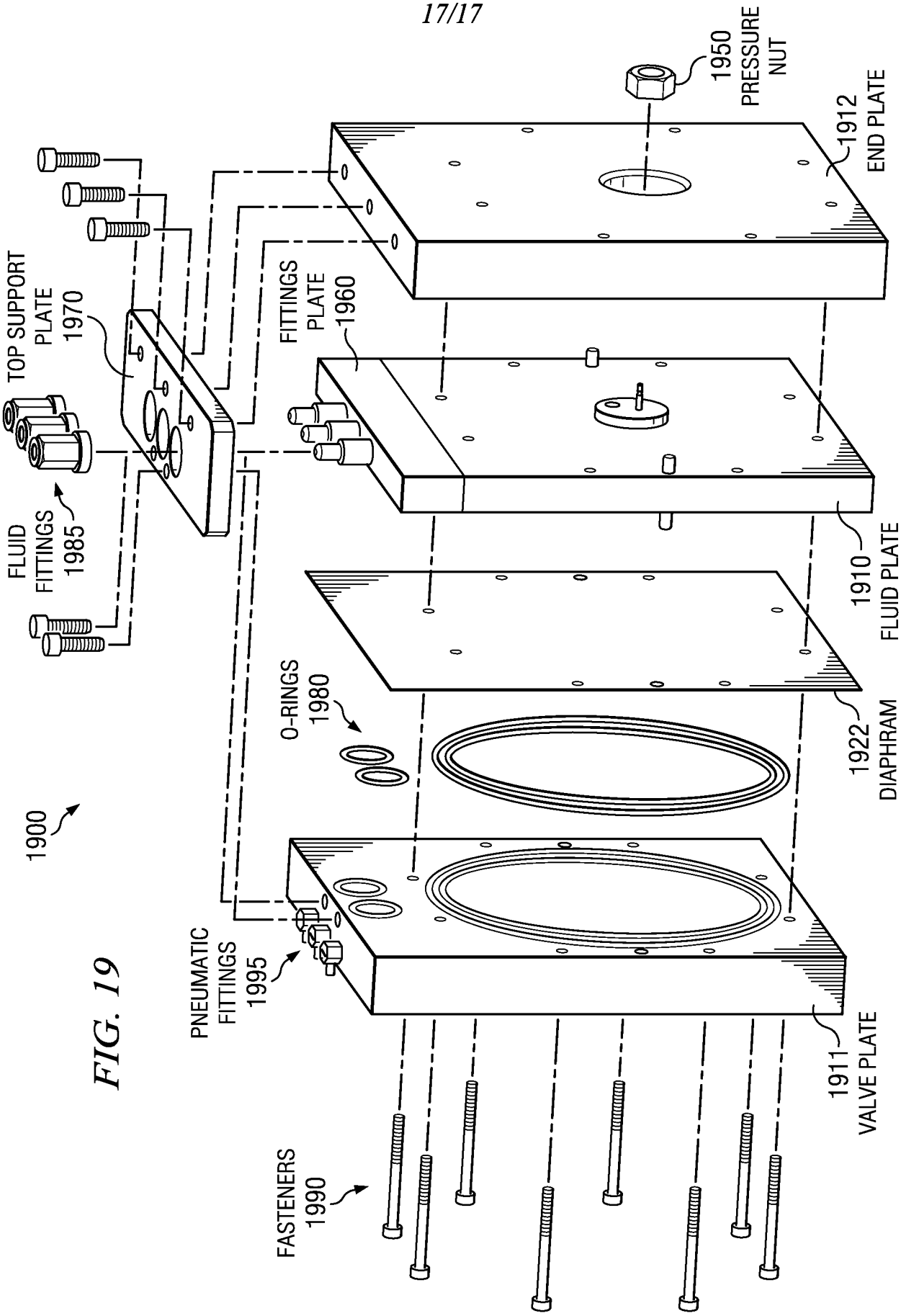

1950
PRESSURE
NUT
1912
END PLATE
TOP SUPPORT
PLATE
1970
FITTINGS
PLATE
1960
FLUID
FITTINGS
1985
1910
FLUID PLATE
O-RINGS
1980
1922
DIAPHRAM
1900
PNEUMATIC
FITTINGS
1995
1911
VALVE PLATE
FASTENERS
1990

FIG. 19