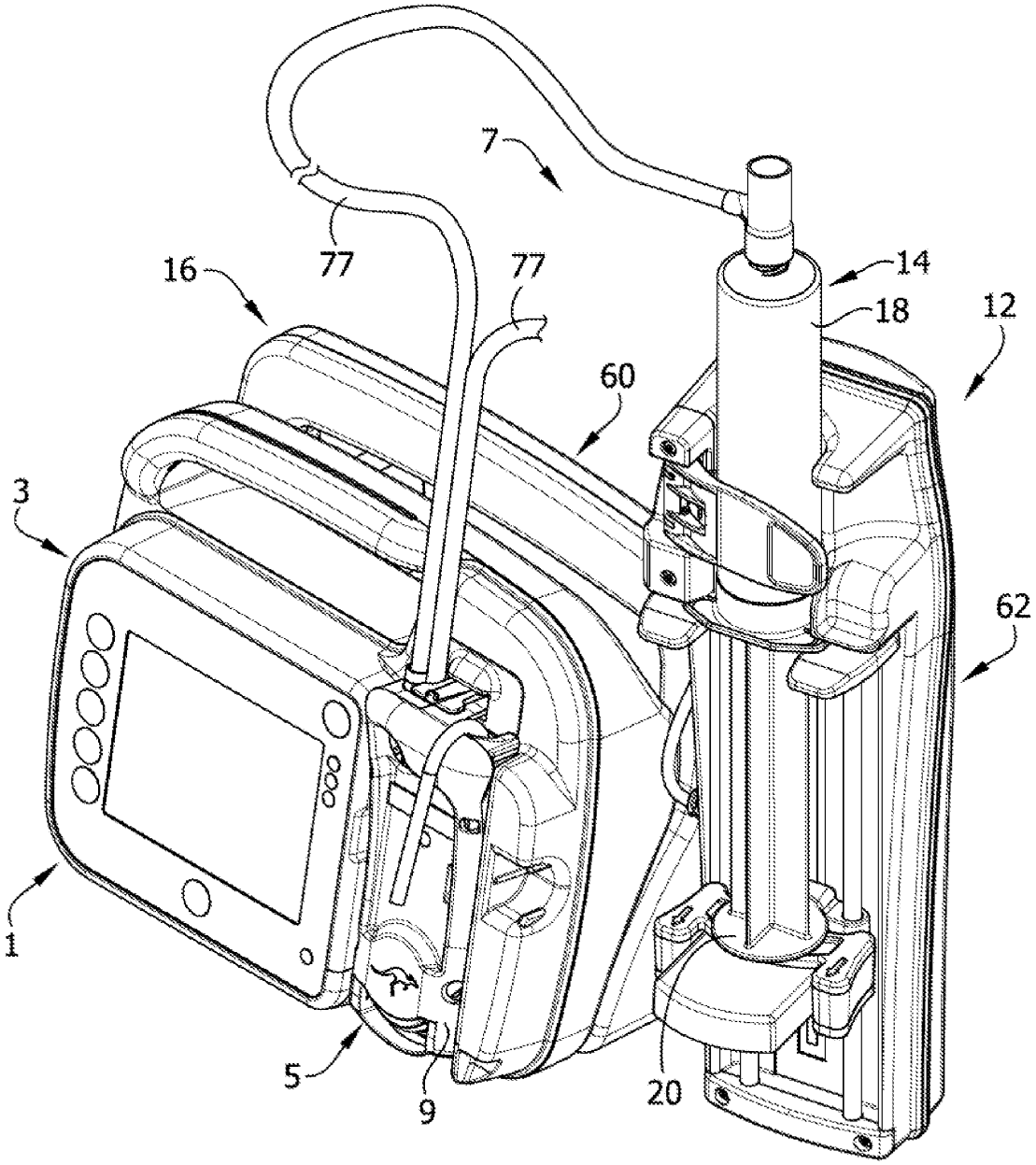


FIG. 1

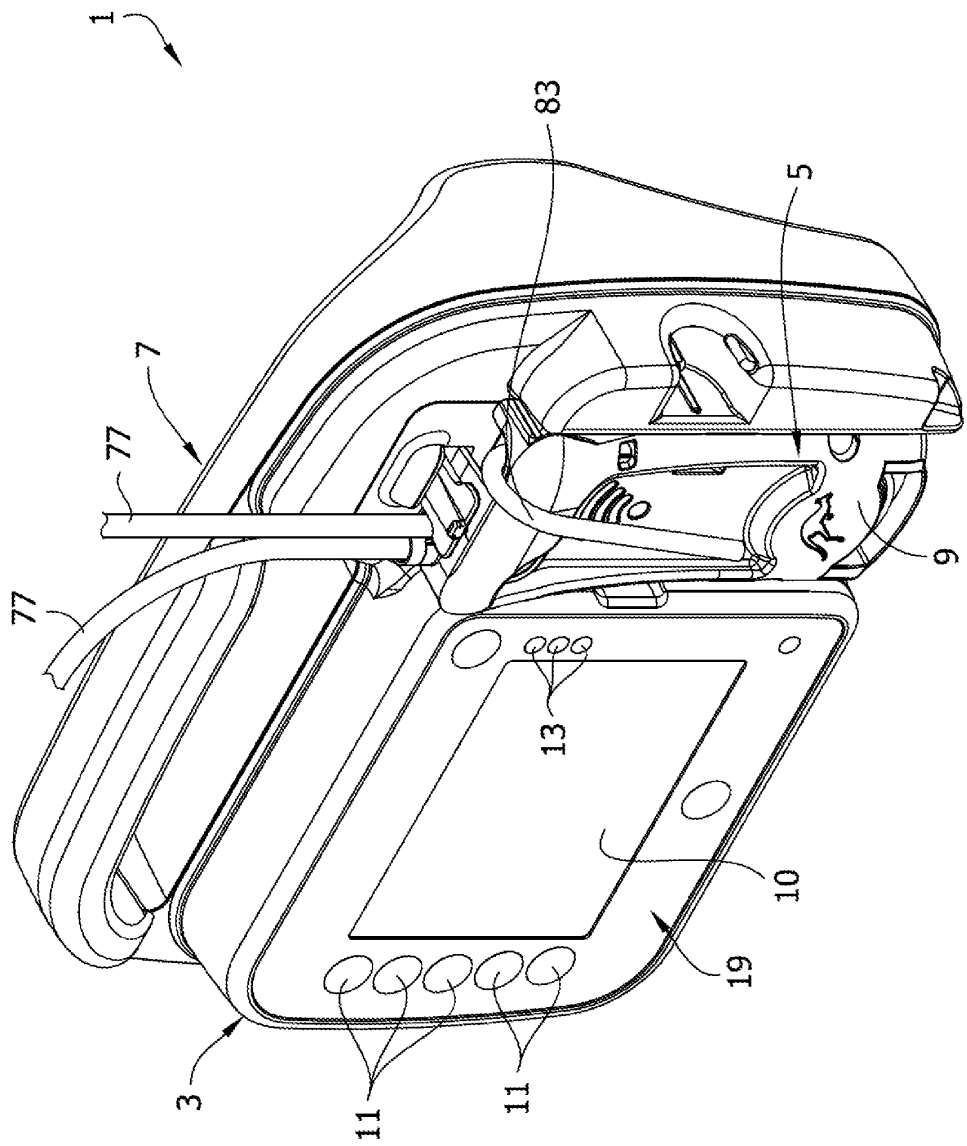


FIG. 2

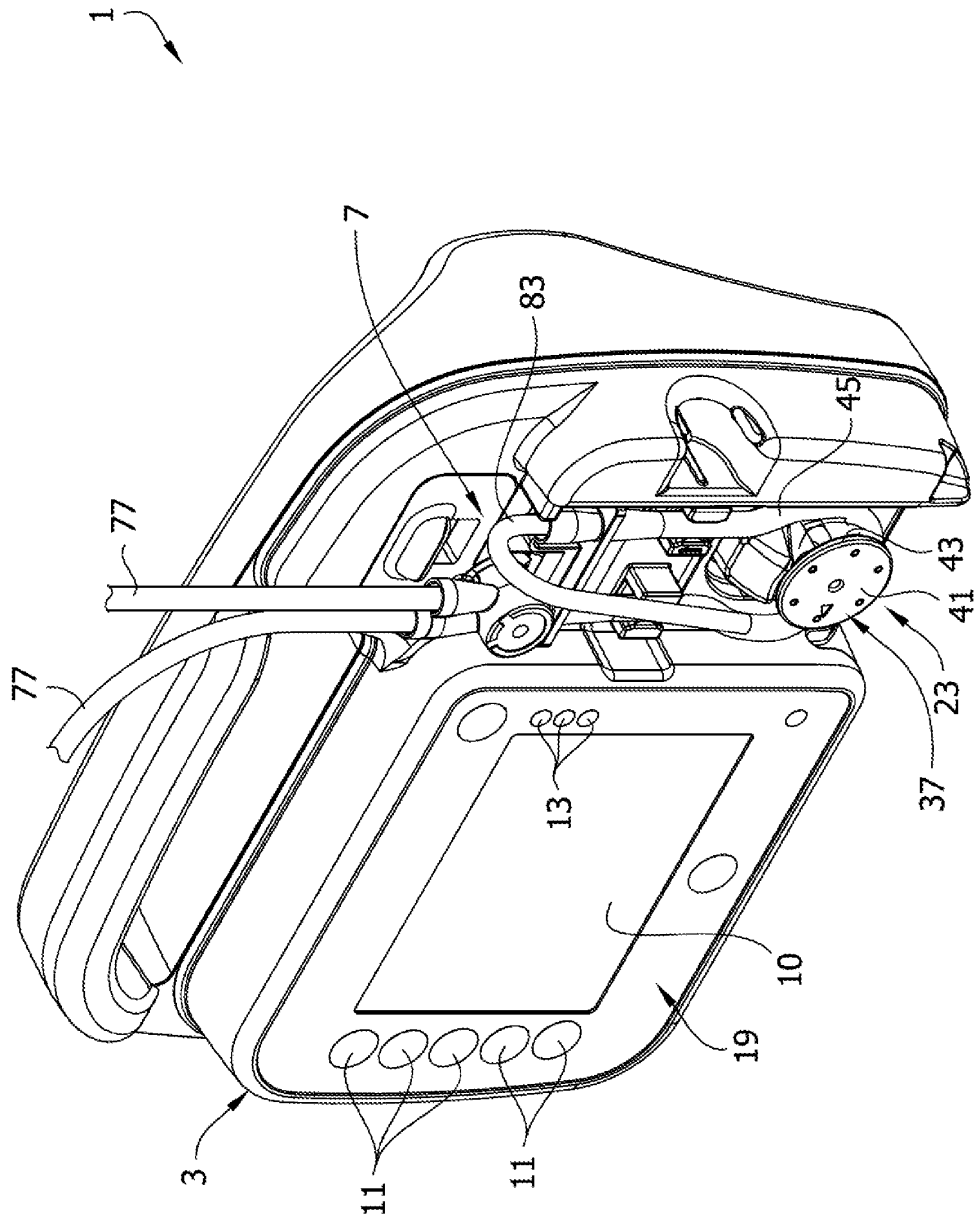


FIG. 3

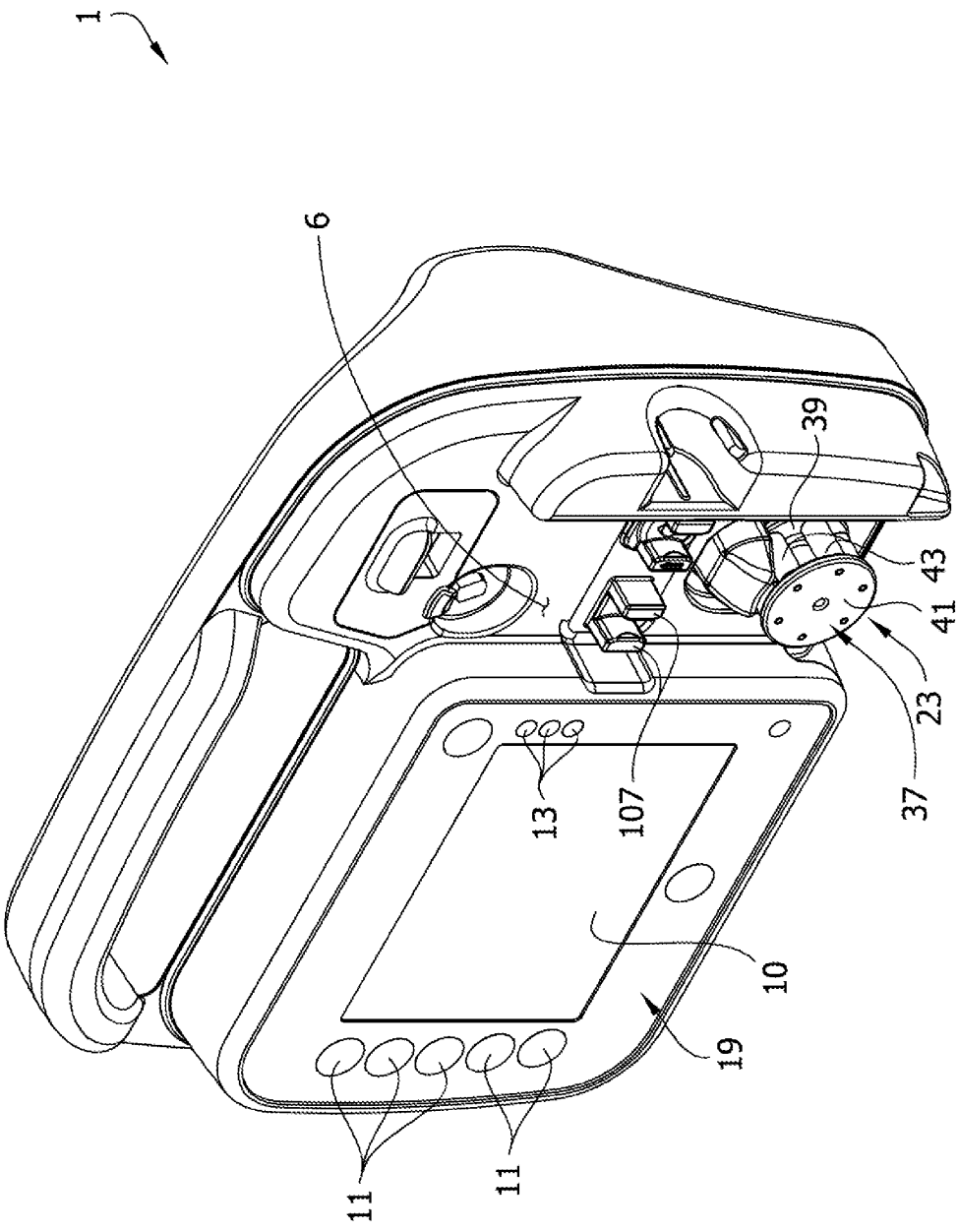


FIG. 4

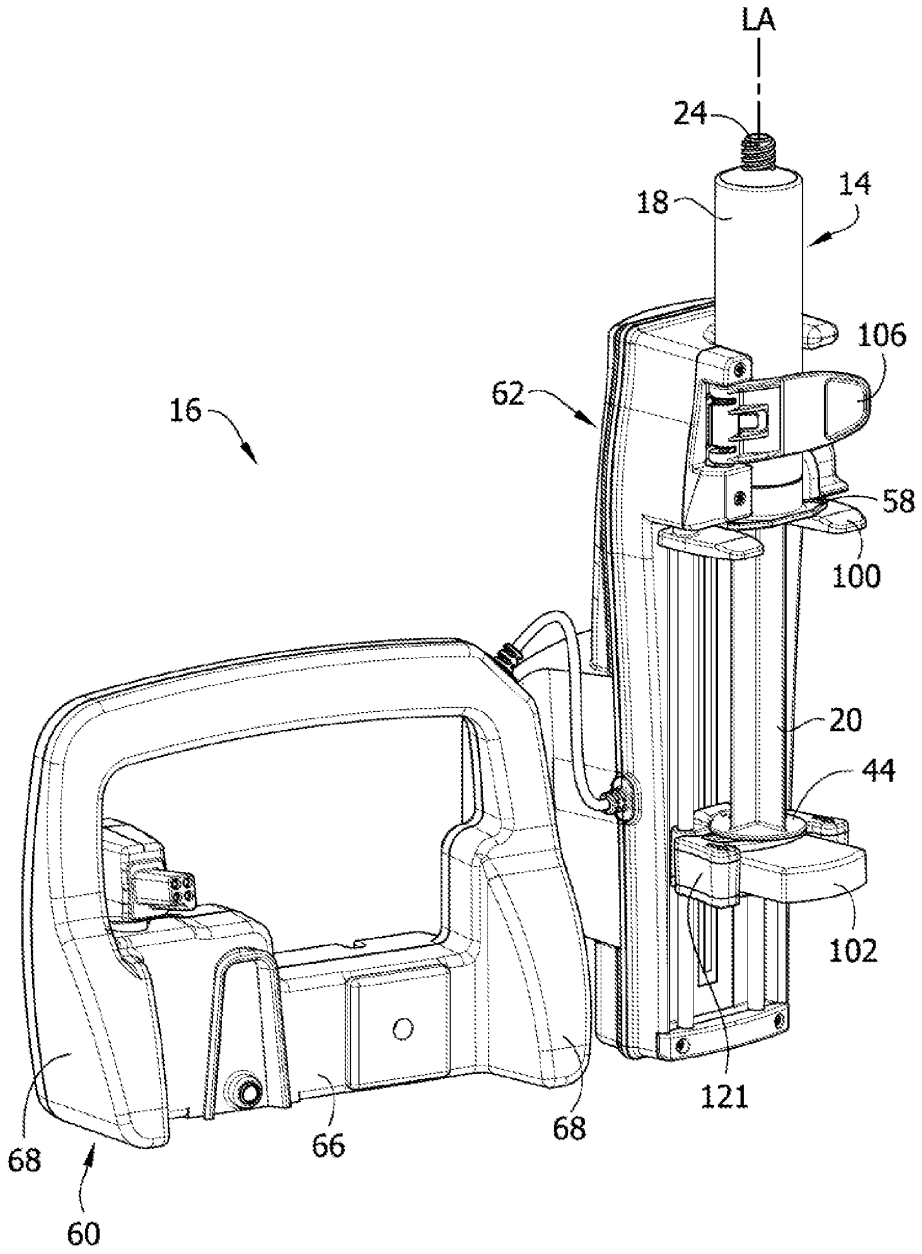


FIG. 5

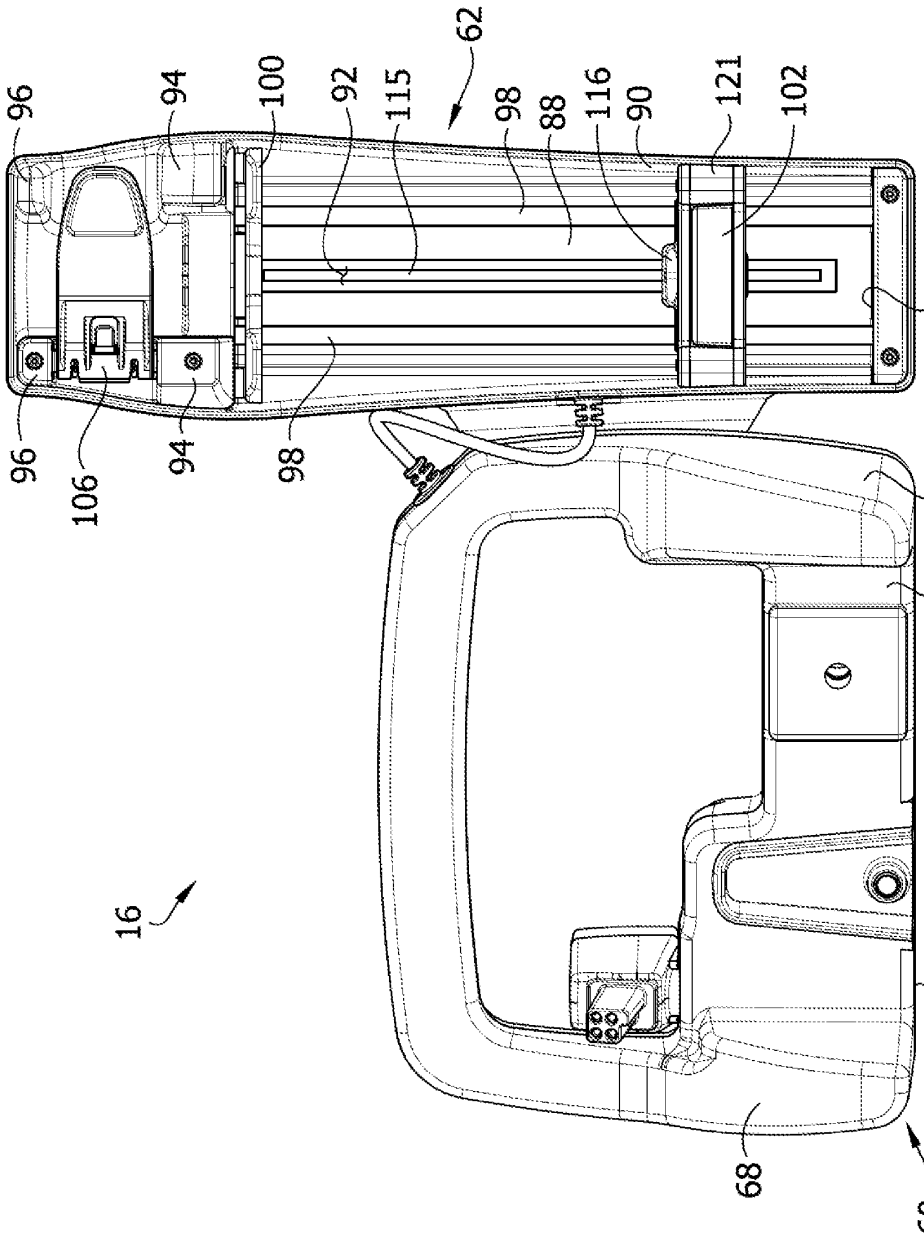

62
96
94
100
92
115
98
88
116
90
121
102
86
96
106
94
98
68
66
64
68
60
16

FIG. 6

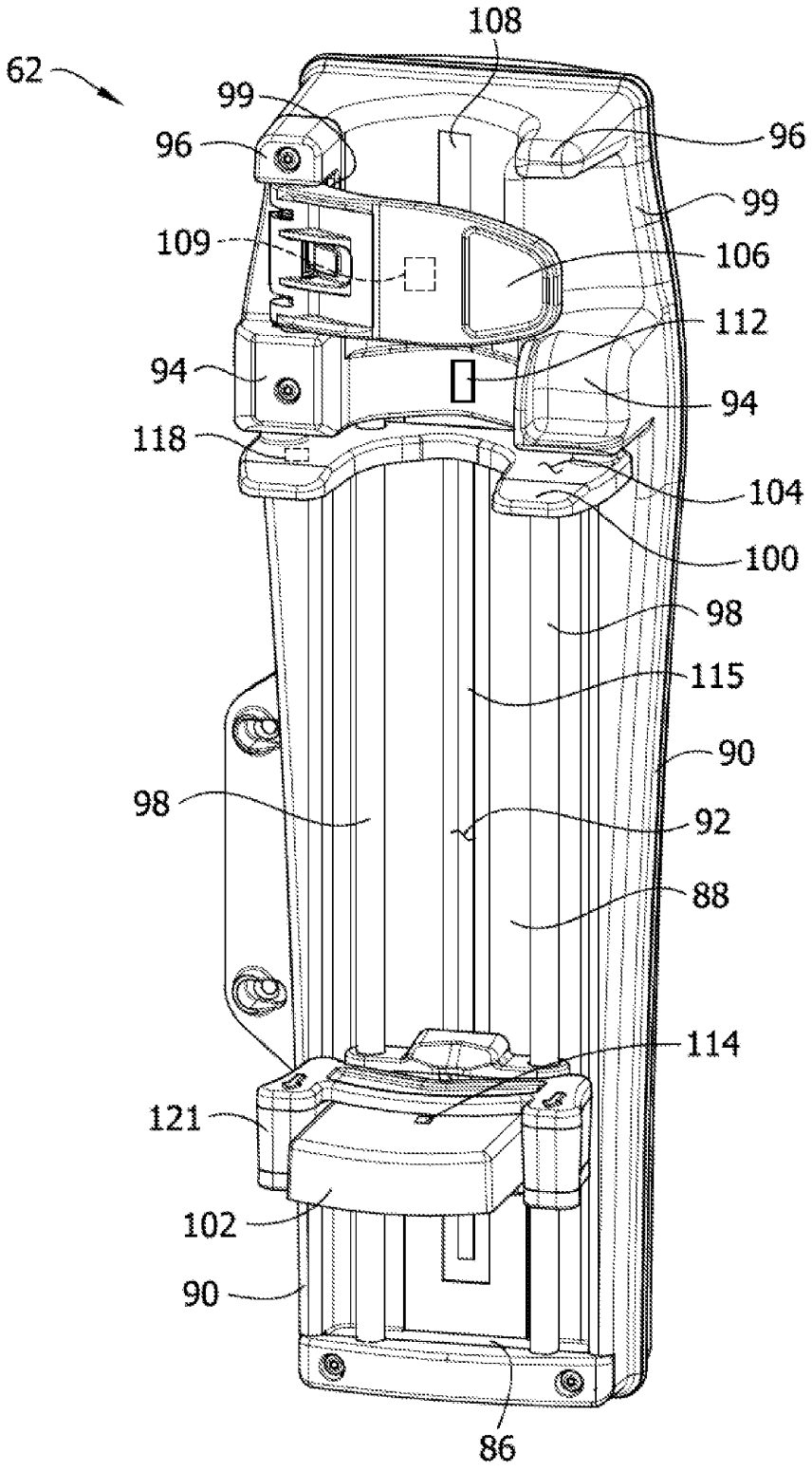

62
108
99
96
96
99
109
106
112
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118
104
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115
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98
92
88
114
121
102
90
86

FIG. 7

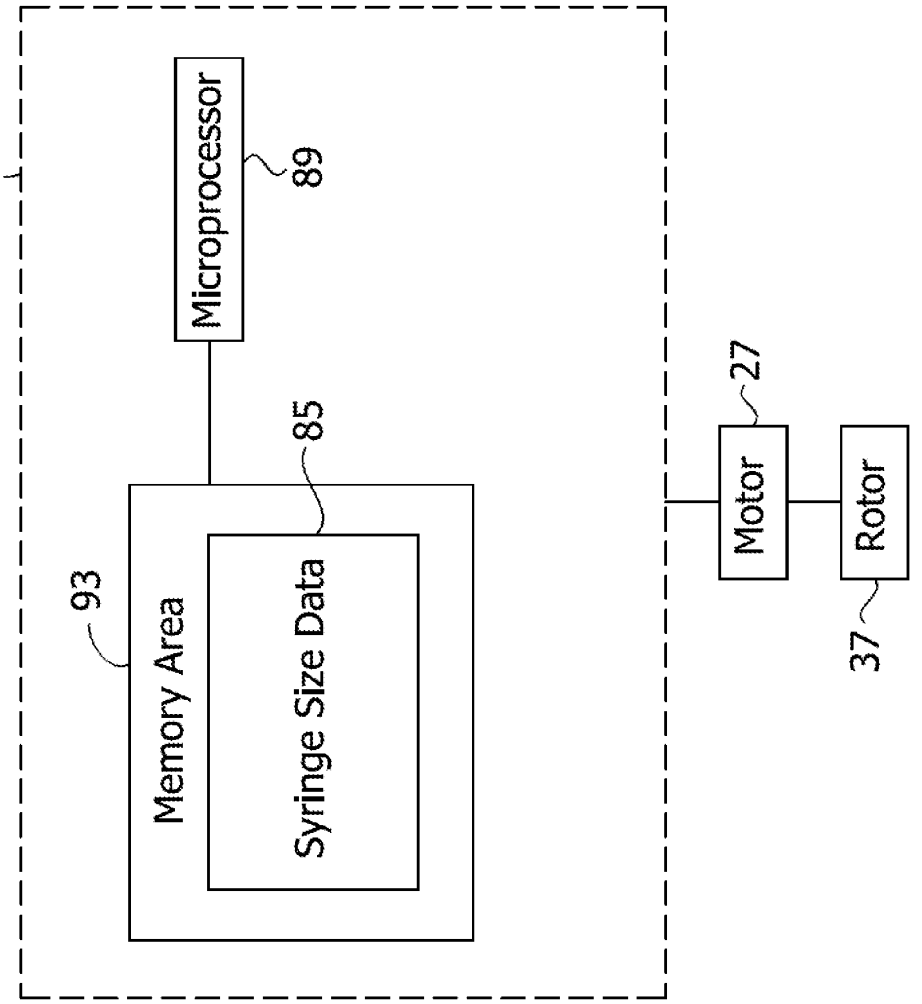

72
Microprocessor
89
85
93
Memory Area
Syringe Size Data
27
Motor
Rotor
37

FIG. 8

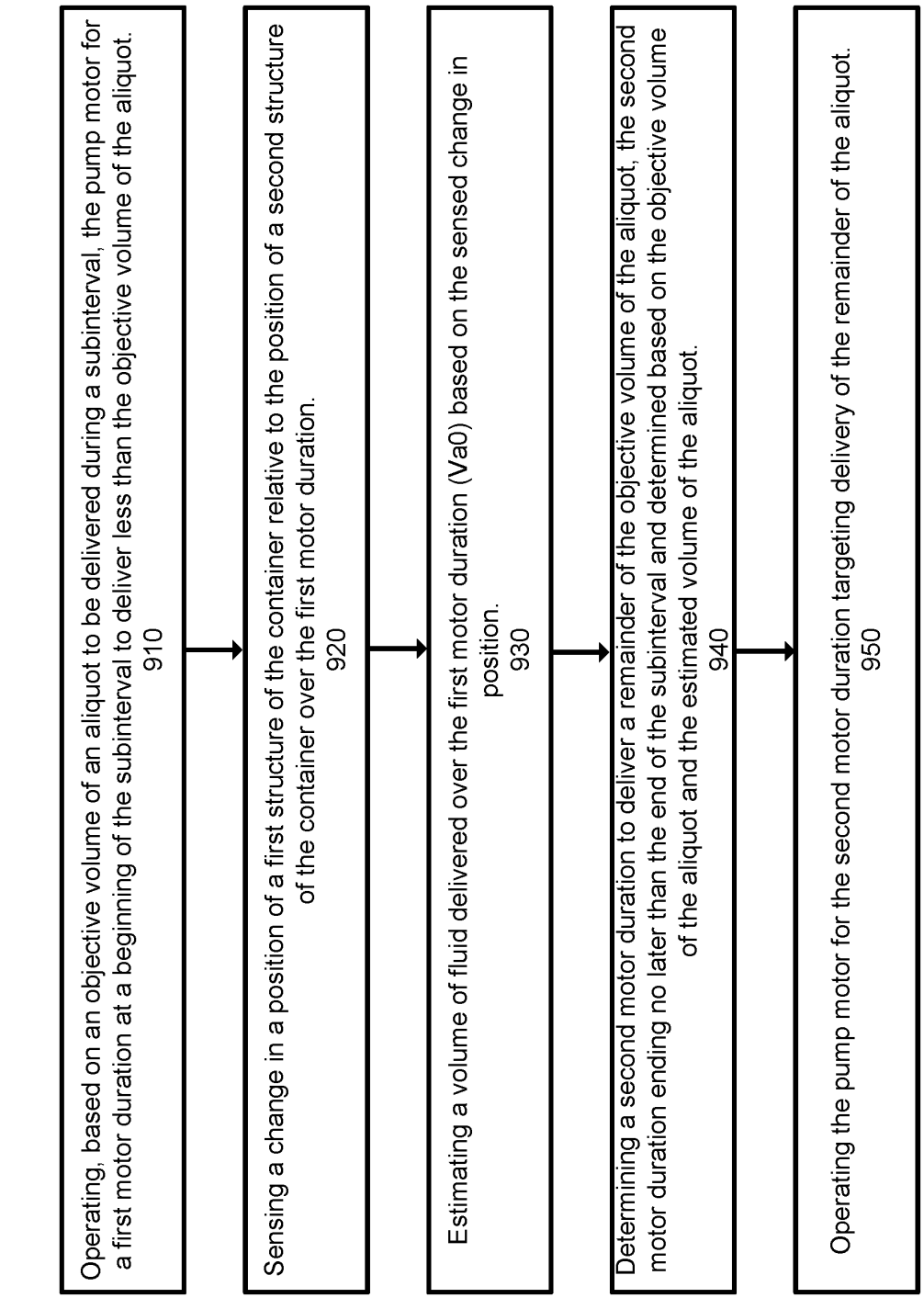

900
Operating, based on an objective volume of an aliquot to be delivered during a subinterval, the pump motor for a first motor duration at a beginning of the subinterval to deliver less than the objective volume of the aliquot.
910
Sensing a change in a position of a first structure of the container relative to the position of a second structure of the container over the first motor duration.
920
Estimating a volume of fluid delivered over the first motor duration (Va0) based on the sensed change in position.
930
Determining a second motor duration to deliver a remainder of the objective volume of the aliquot, the second motor duration ending no later than the end of the subinterval and determined based on the objective volume of the aliquot and the estimated volume of the aliquot.
940
Operating the pump motor for the second motor duration targeting delivery of the remainder of the aliquot.
950

FIG. 9

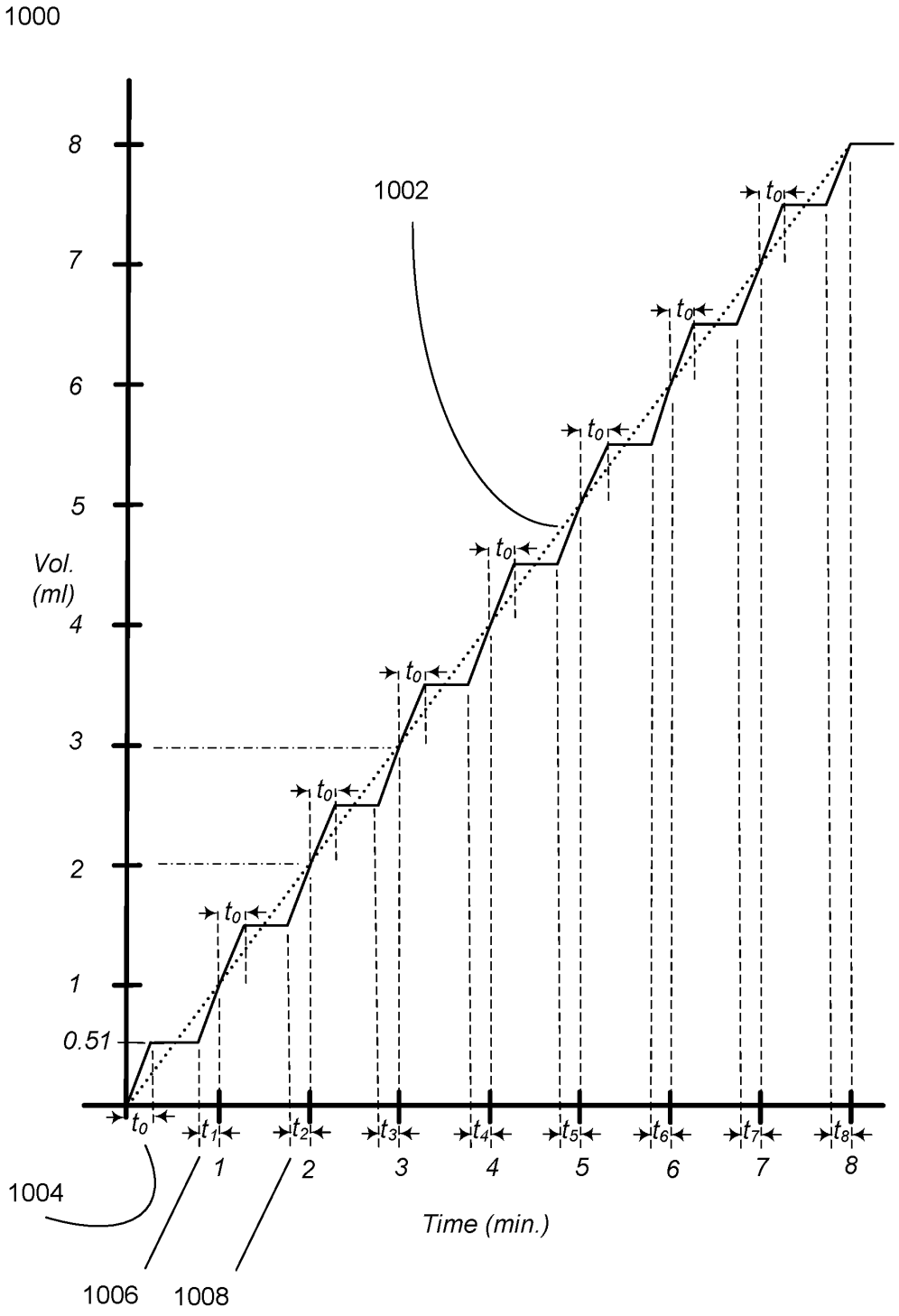

1000
1002
8
7
6
5
Vol.
(ml)
4
3
2
1
0.51
t_0
t_1
t_2
t_3
t_4
t_5
t_6
t_7
t_8
1
2
3
4
5
6
7
8
Time (min.)
1004
1006
1008

FIG. 10

1100

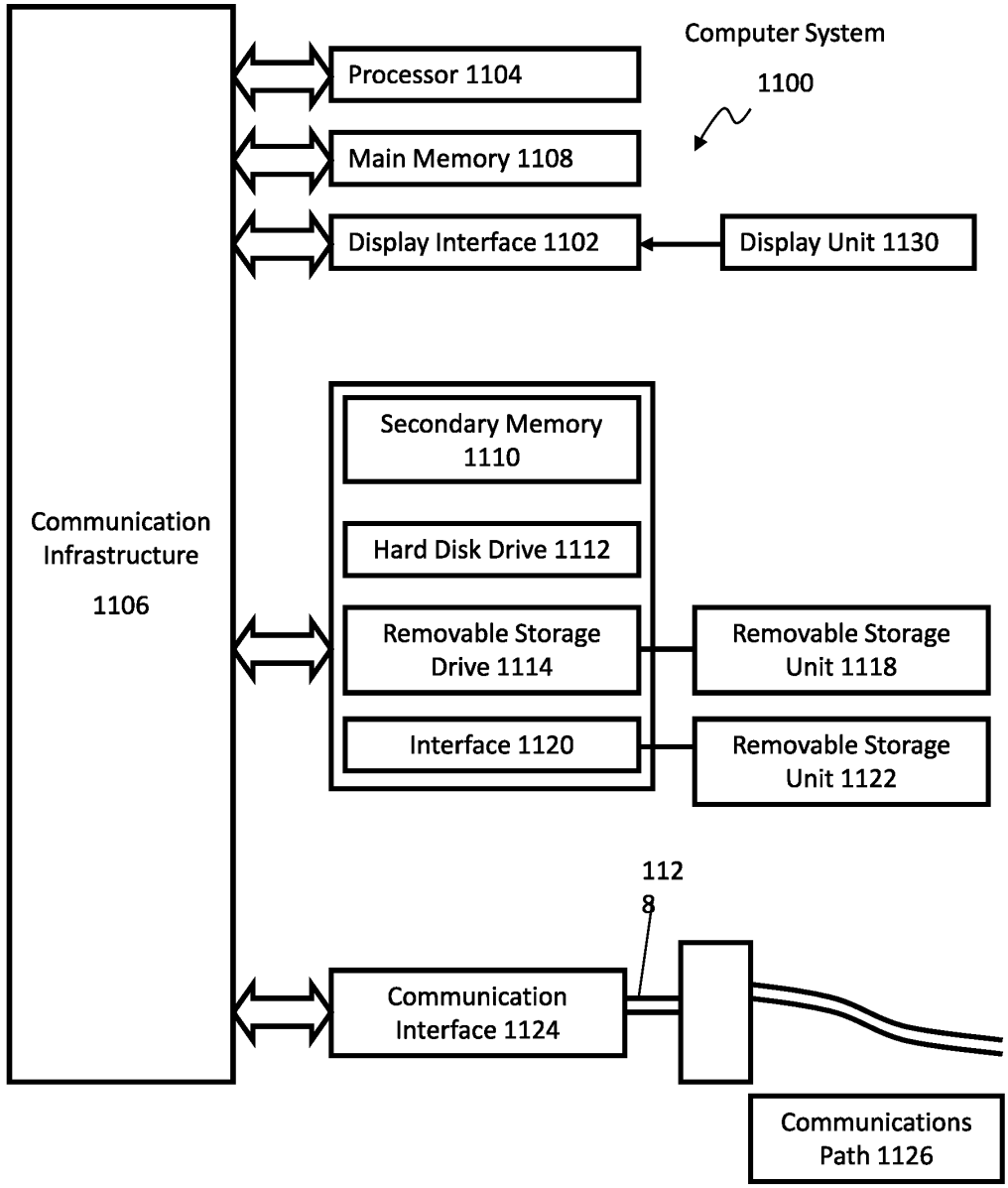

Computer System
1100
Processor 1104
Main Memory 1108
Display Interface 1102
Display Unit 1130
Secondary Memory 1110
Hard Disk Drive 1112
Removable Storage Drive 1114
Removable Storage Unit 1118
Interface 1120
Removable Storage Unit 1122
Communication Infrastructure
1106
112 8
Communication Interface 1124
Communications Path 1126

FIG. 11

1200

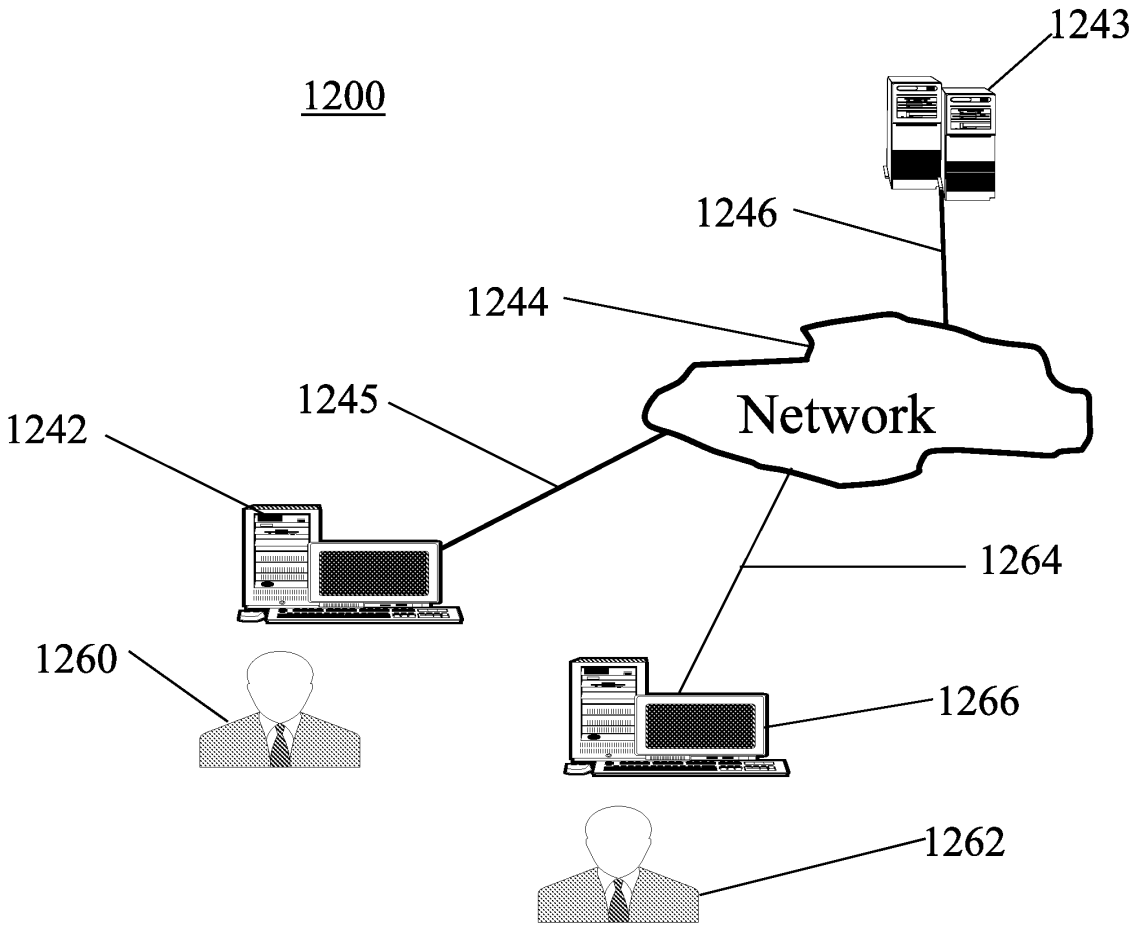


FIG. 12