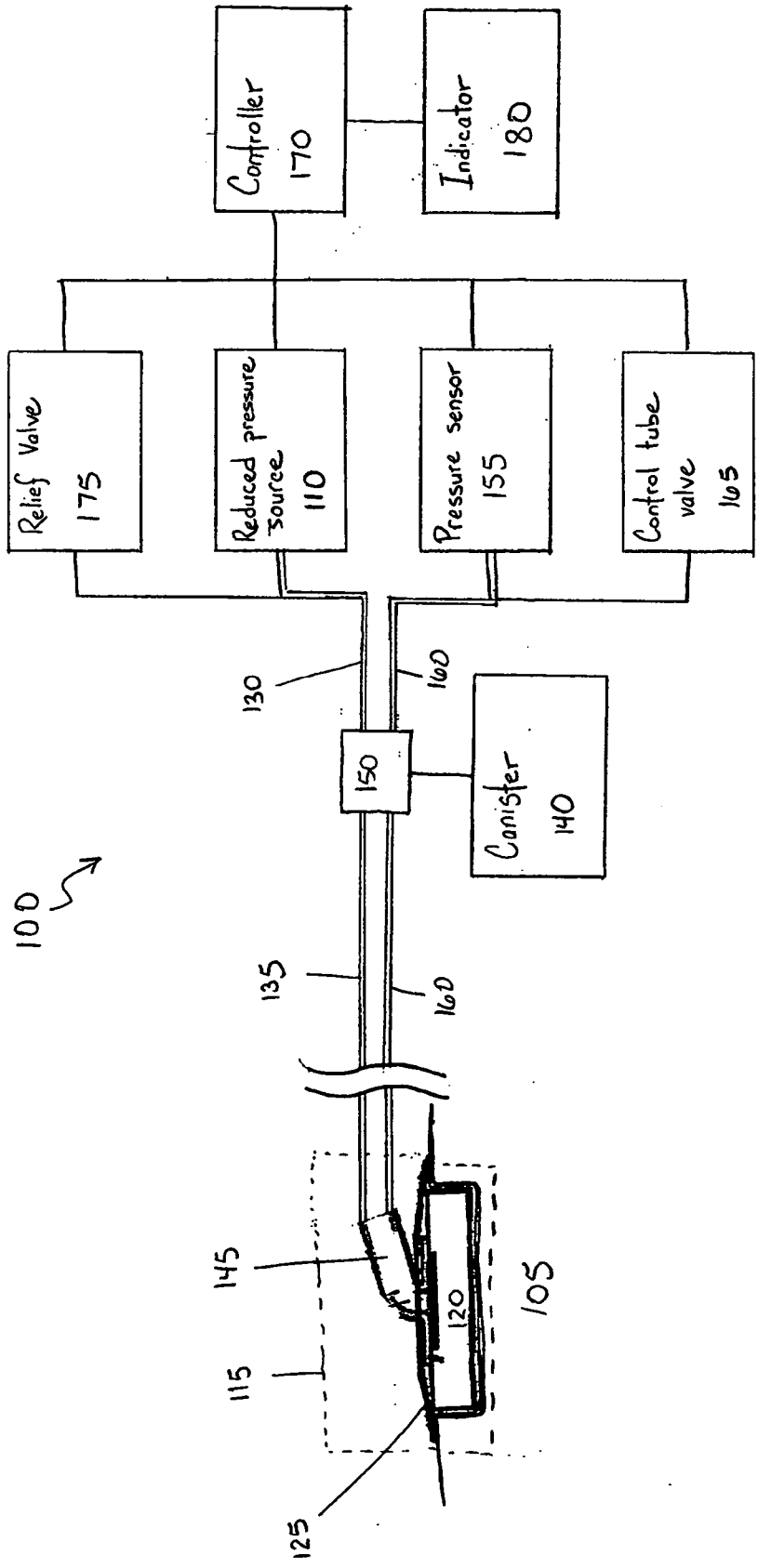

Controller
170
Indicator
180
Relief Valve
175
Reduced pressure source
110
Pressure sensor
155
Control tube valve
105
130
160
150
Canister
140
100
135
160
145
120
105
115
125

Fig. 1

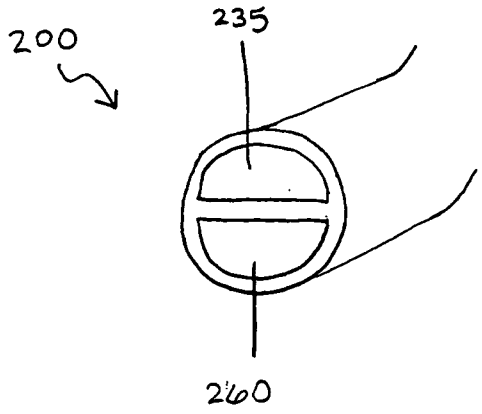


FIG. 2

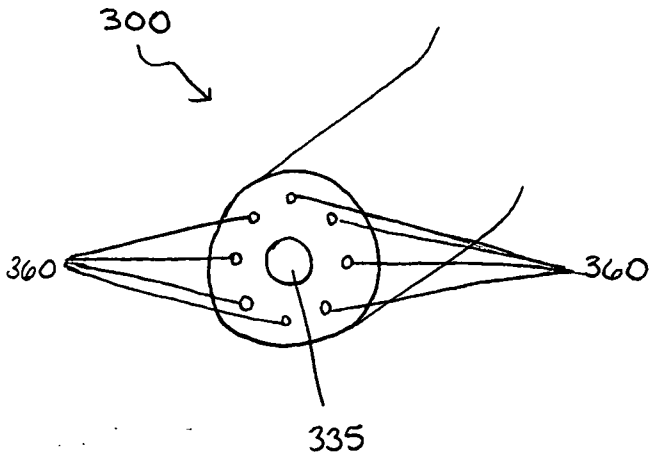


FIG. 3

FIG. 4

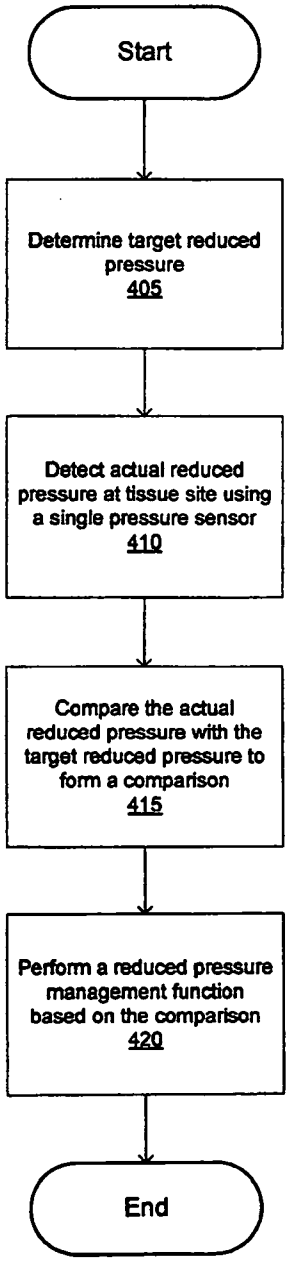

Start
Determine target reduced pressure
405
Detect actual reduced pressure at tissue site using a single pressure sensor
410
Compare the actual reduced pressure with the target reduced pressure to form a comparison
415
Perform a reduced pressure management function based on the comparison
420
End

FIG. 5

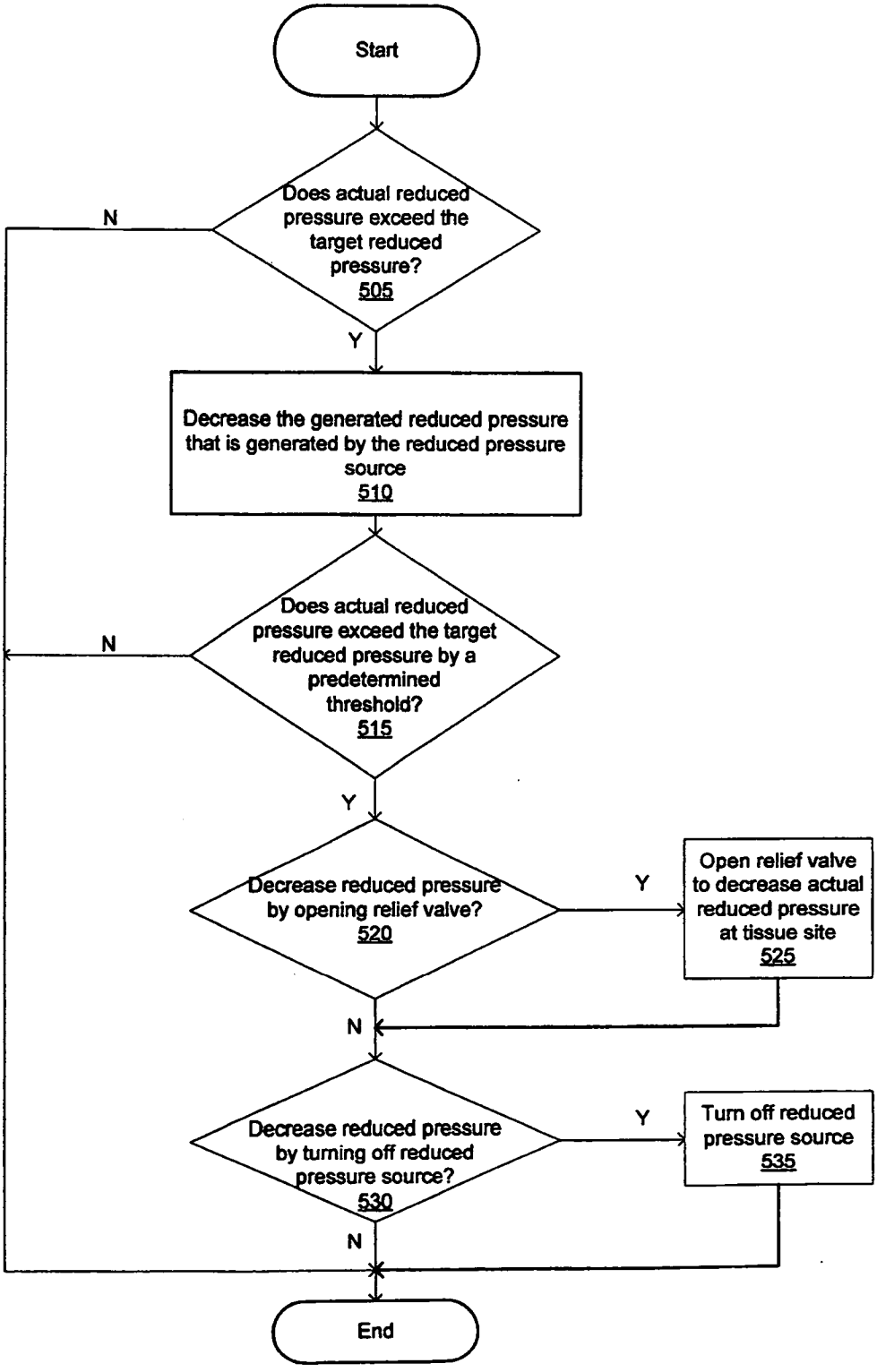

Start
Does actual reduced pressure exceed the target reduced pressure?
505
N
Y
Decrease the generated reduced pressure that is generated by the reduced pressure source
510
Does actual reduced pressure exceed the target reduced pressure by a predetermined threshold?
515
N
Y
Decrease reduced pressure by opening relief valve?
520
Y
Open relief valve to decrease actual reduced pressure at tissue site
525
N
Decrease reduced pressure by turning off reduced pressure source?
530
Y
Turn off reduced pressure source
535
N
End

FIG. 6

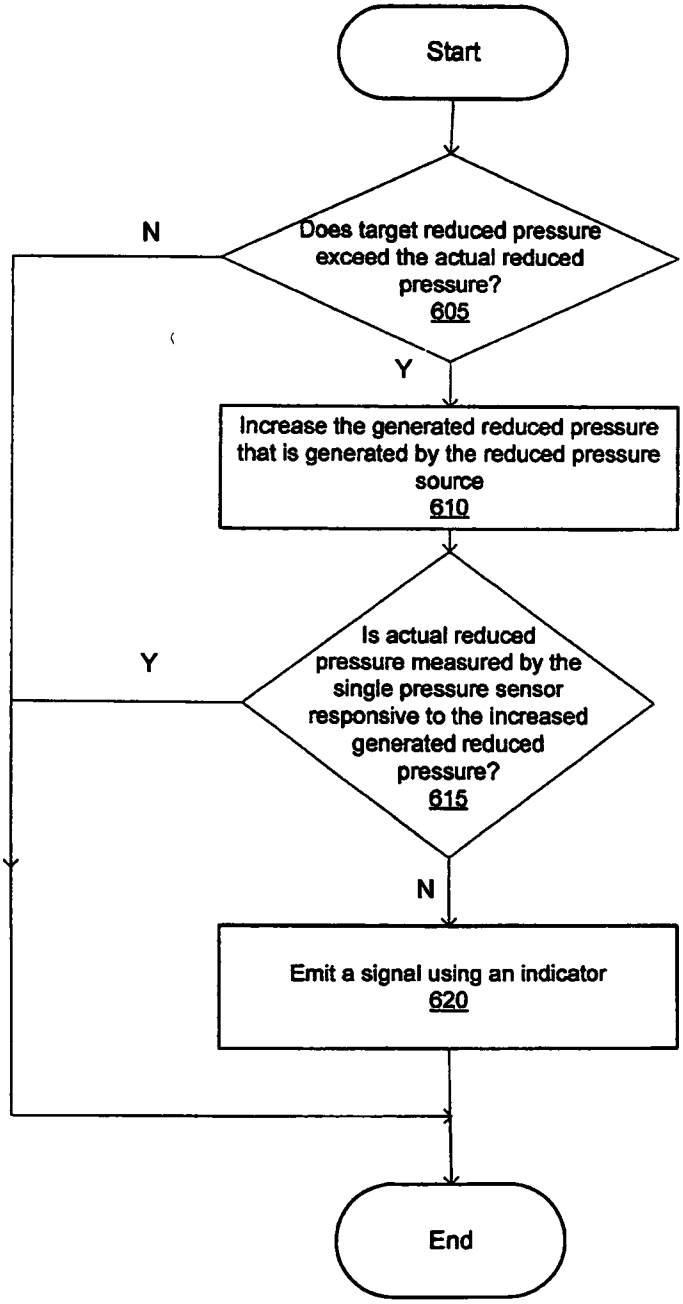
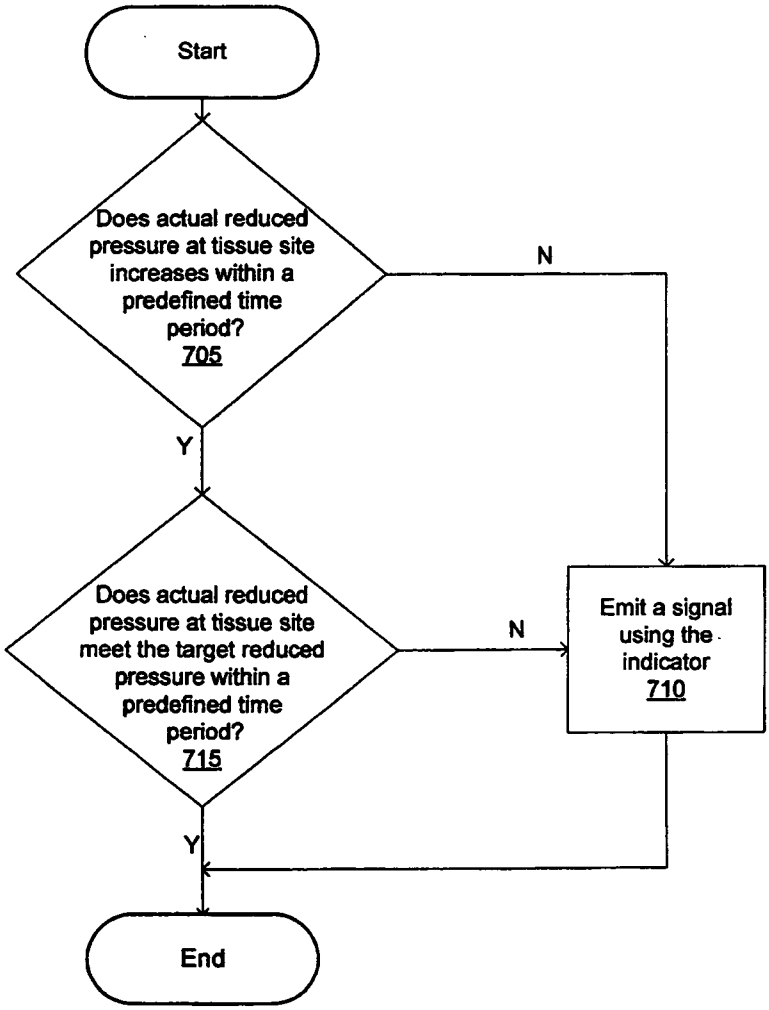

Start
Does target reduced pressure exceed the actual reduced pressure?
605
N
Y
Increase the generated reduced pressure that is generated by the reduced pressure source
610
Is actual reduced pressure measured by the single pressure sensor responsive to the increased generated reduced pressure?
615
Y
N
Emit a signal using an indicator
620
End

FIG. 7


Start
Does actual reduced pressure at tissue site increases within a predefined time period?
705
N
Y
Does actual reduced pressure at tissue site meet the target reduced pressure within a predefined time period?
715
N
Emit a signal using the indicator
710
Y
End