

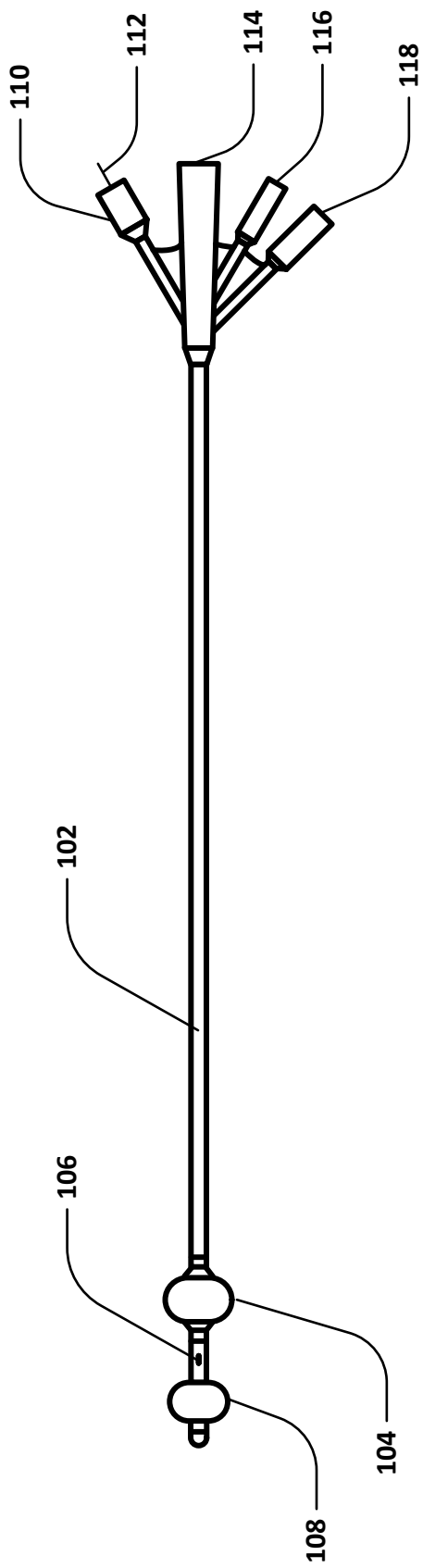


Fig.
1

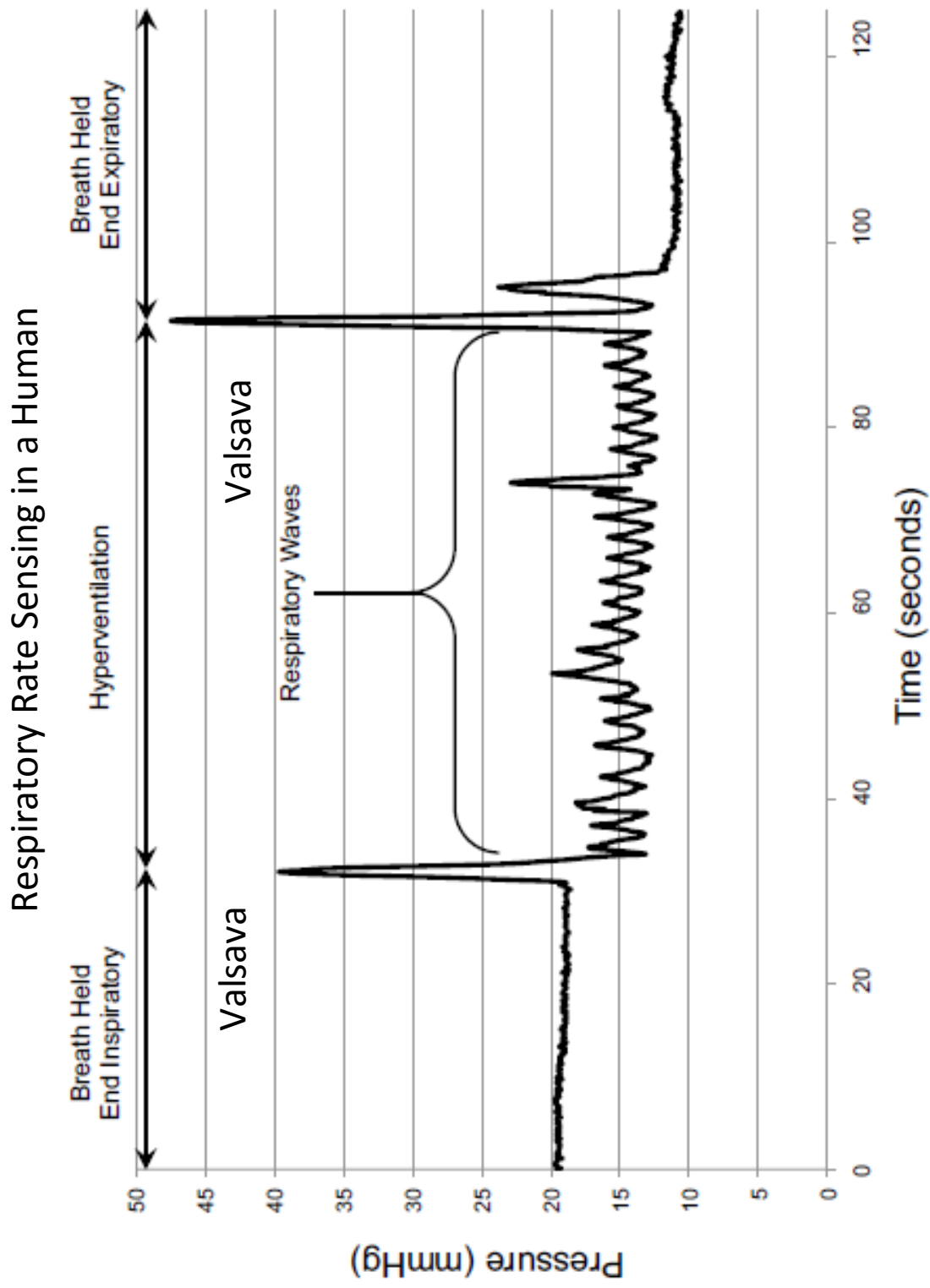


Fig. 2

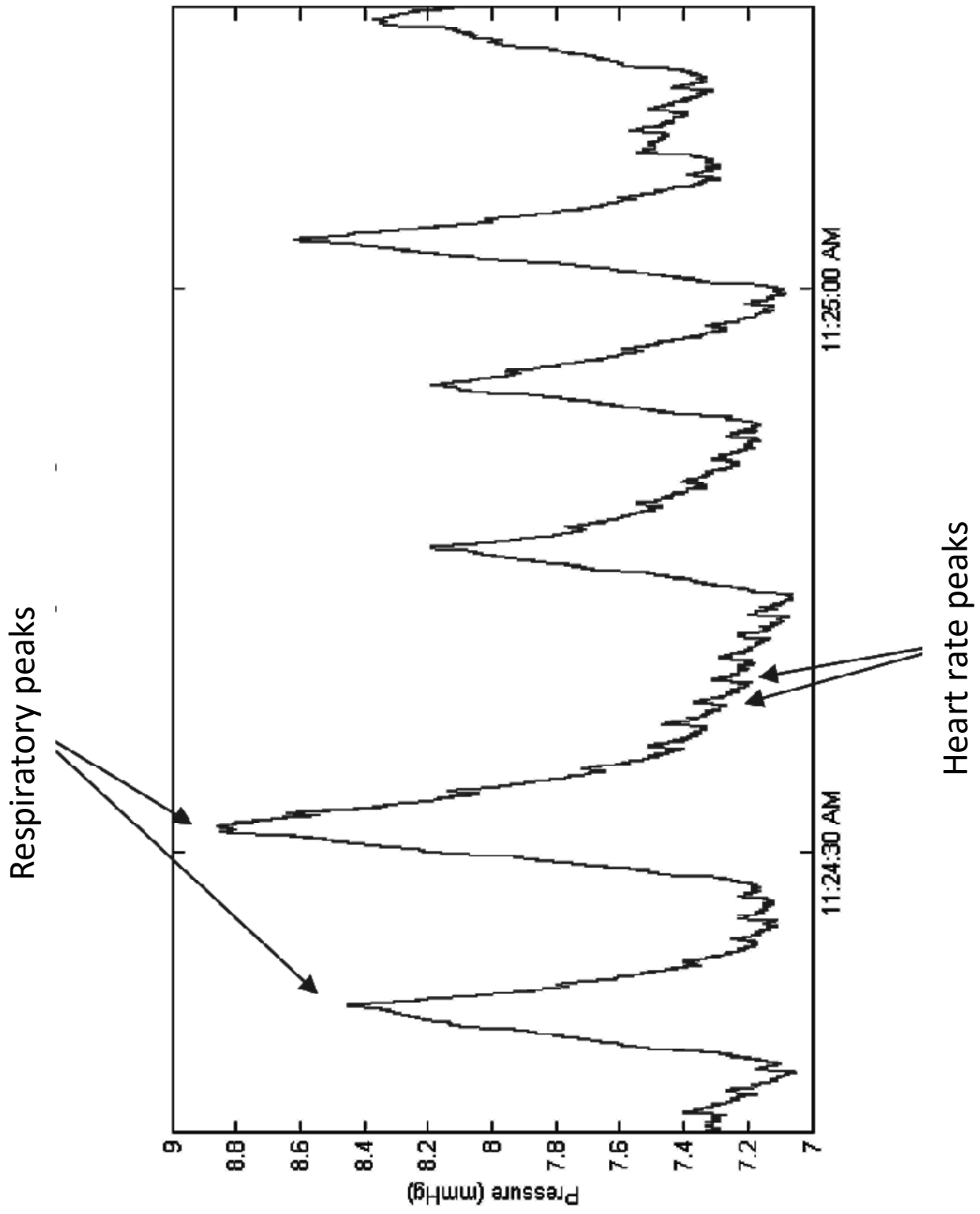


Fig. 3

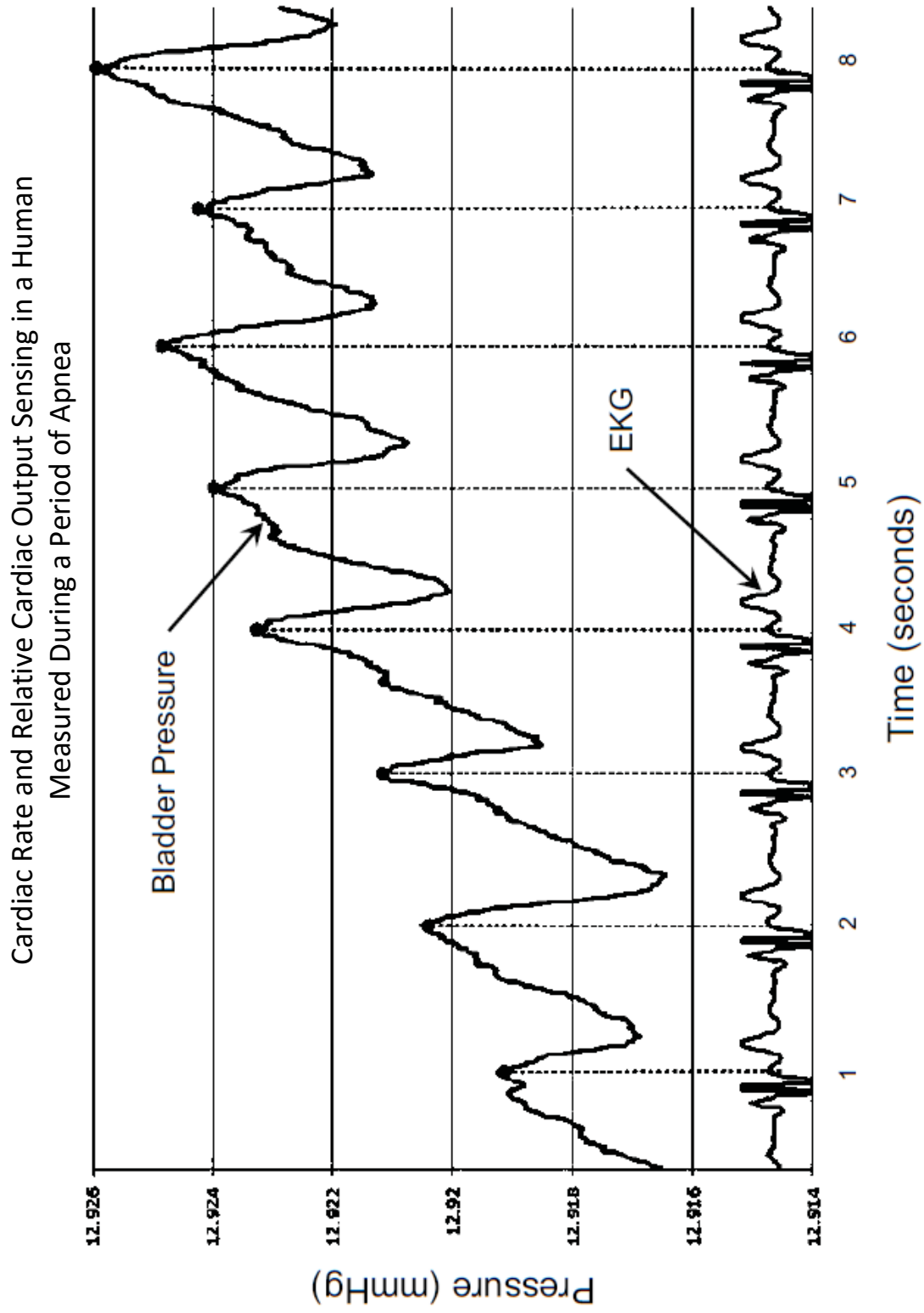


Fig. 4

Relative Cardiac Output Sensing in a Human- Leg Raise Increases Cardiac Output as demonstrated by an Increased Amplitude of the Cardiac Pulse

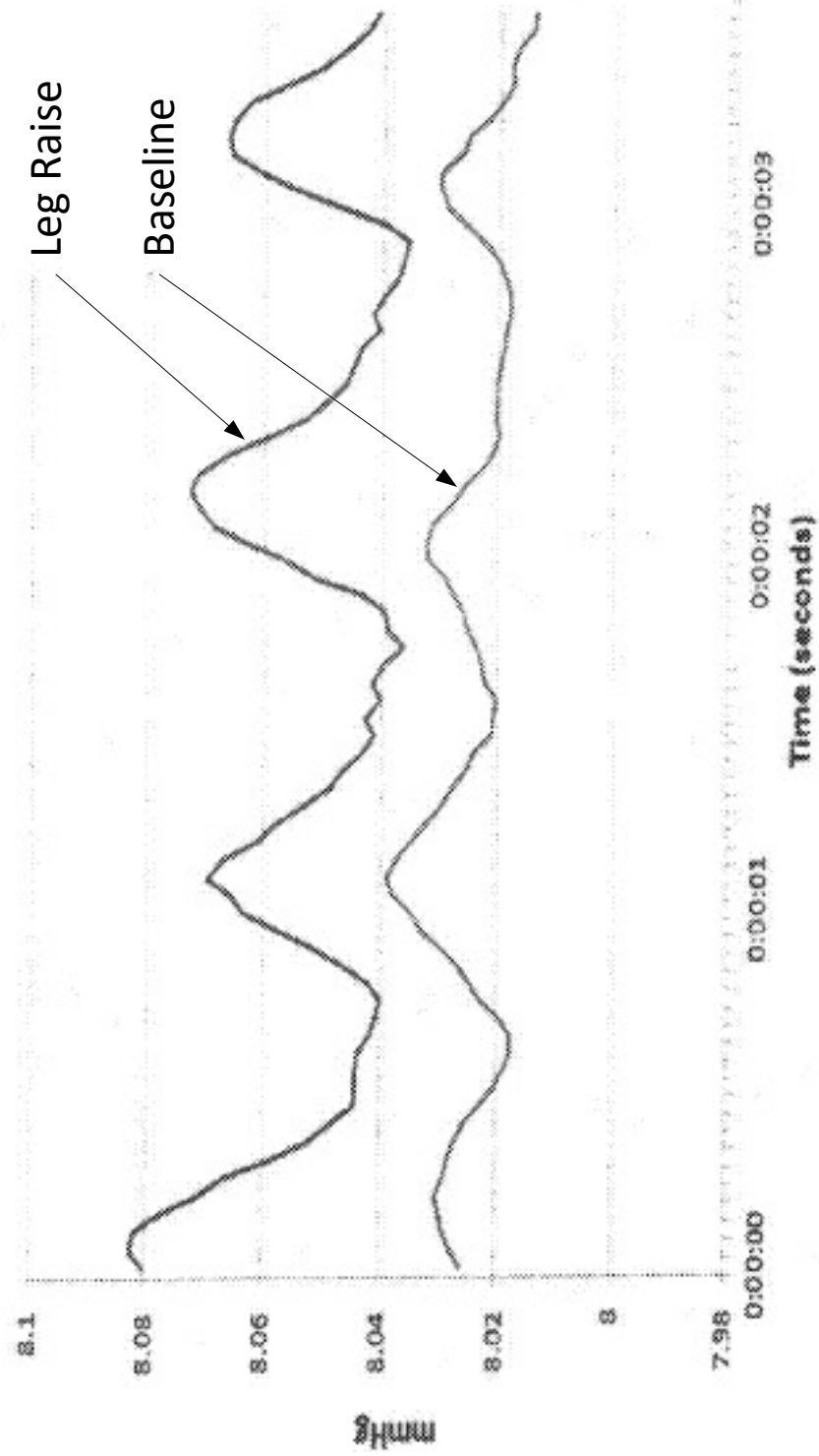


Fig. 5

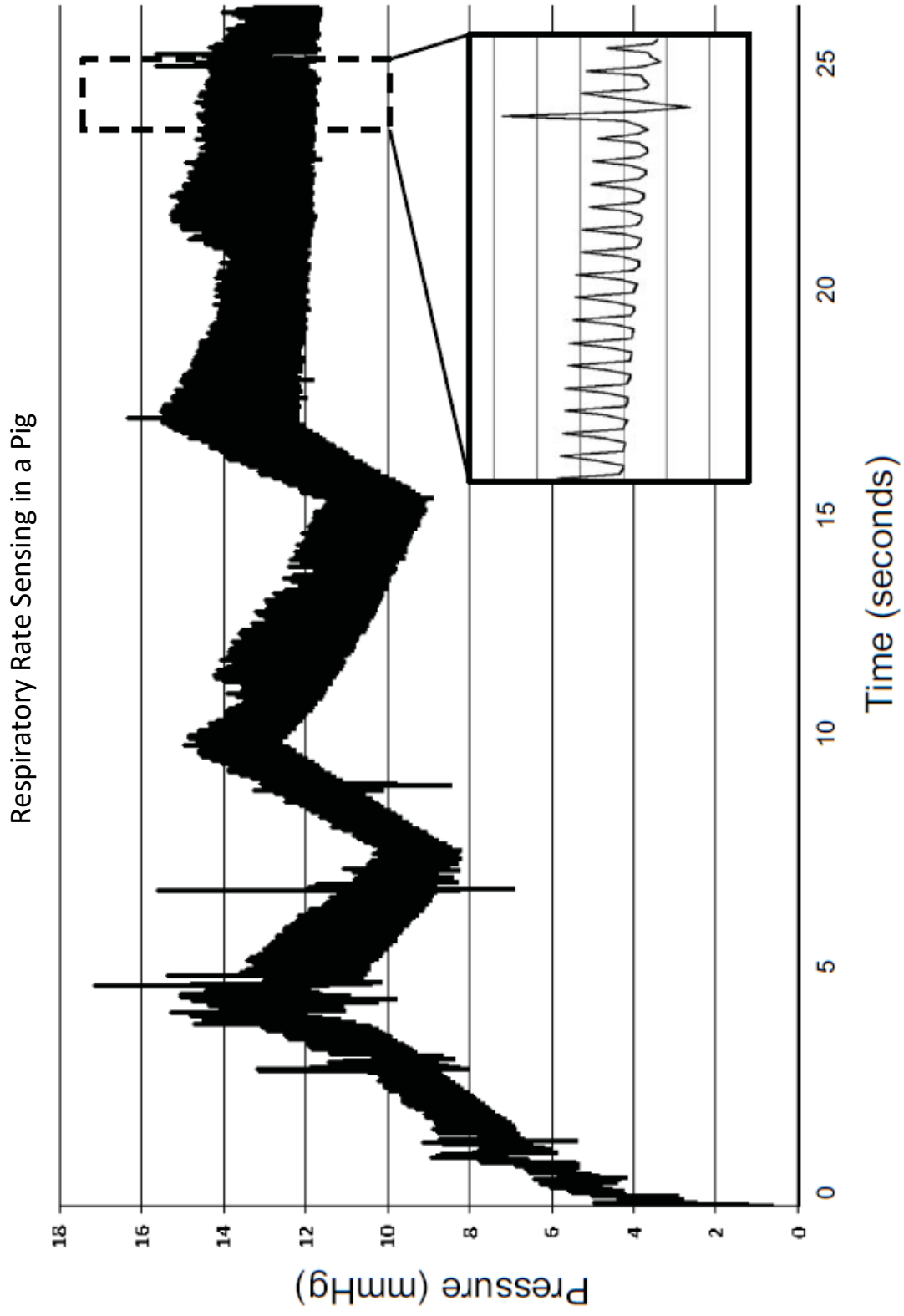


Fig. 6

Pig study demonstrating detection of an induced intraabdominal hypertension

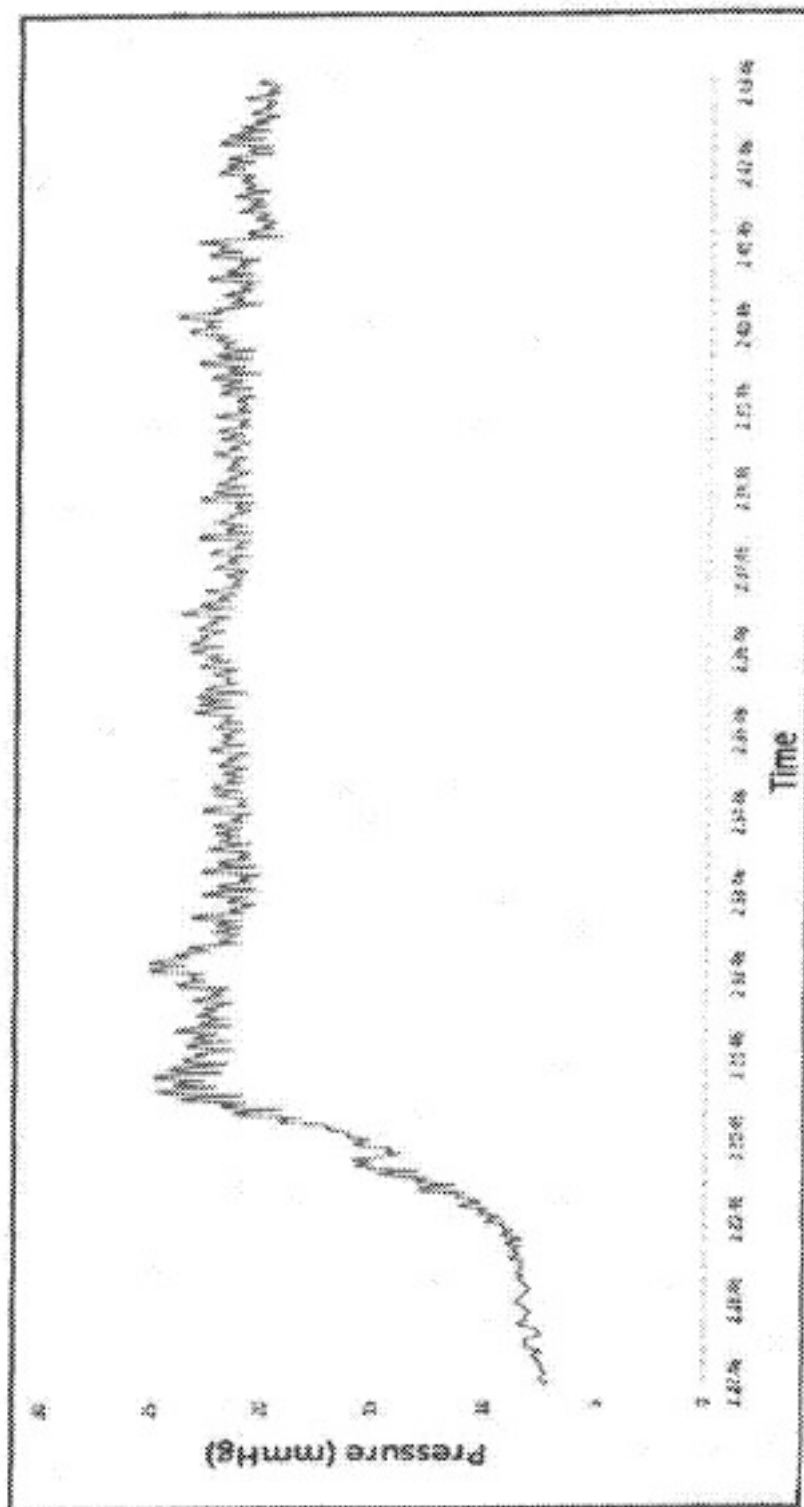


Fig. 7

Resolution of pressure-based signals from different physiologic sources by a plot of pressure vs. frequency

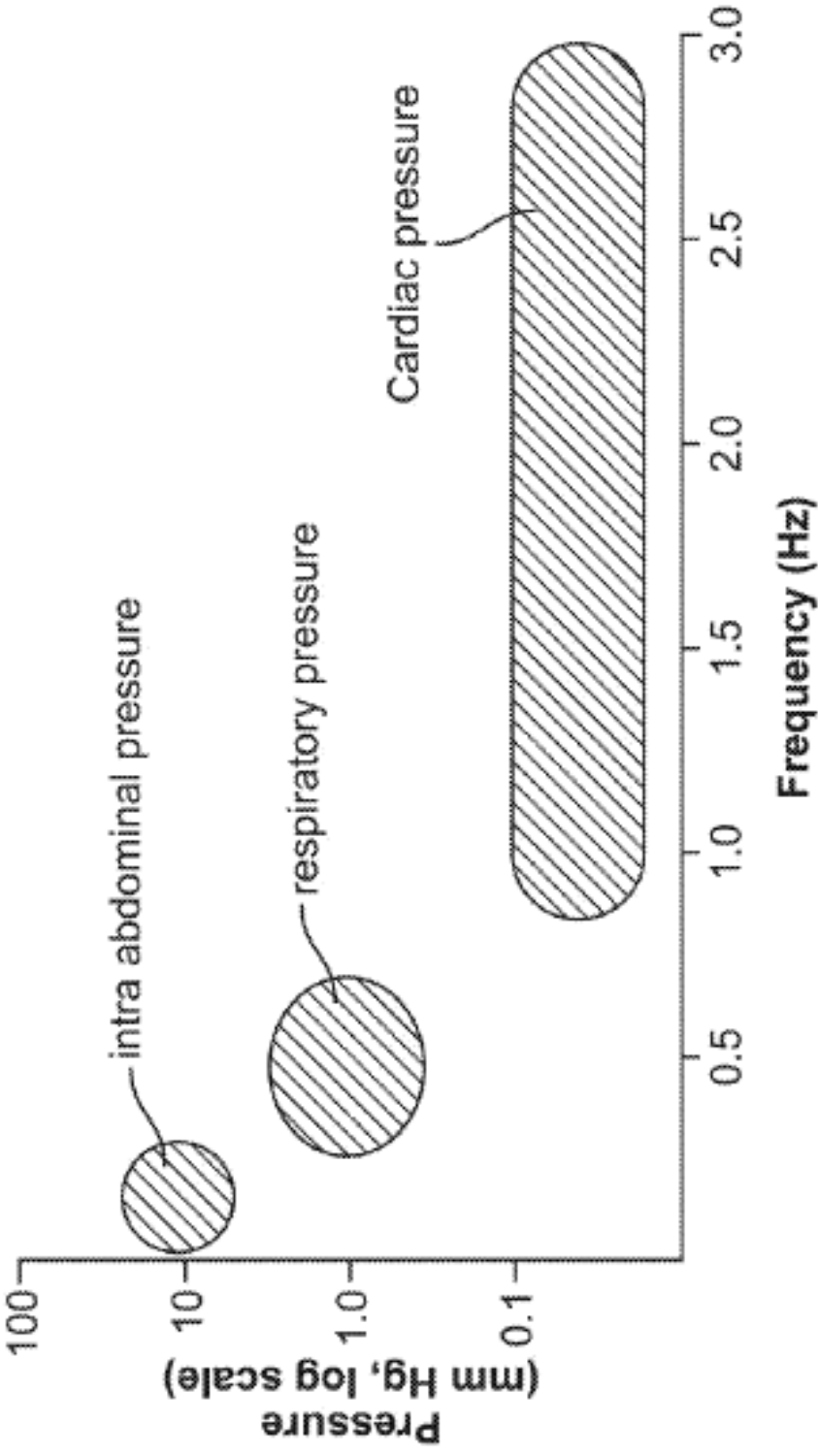


Fig. 8

Method of Monitoring Pressure-based Physiologic Data

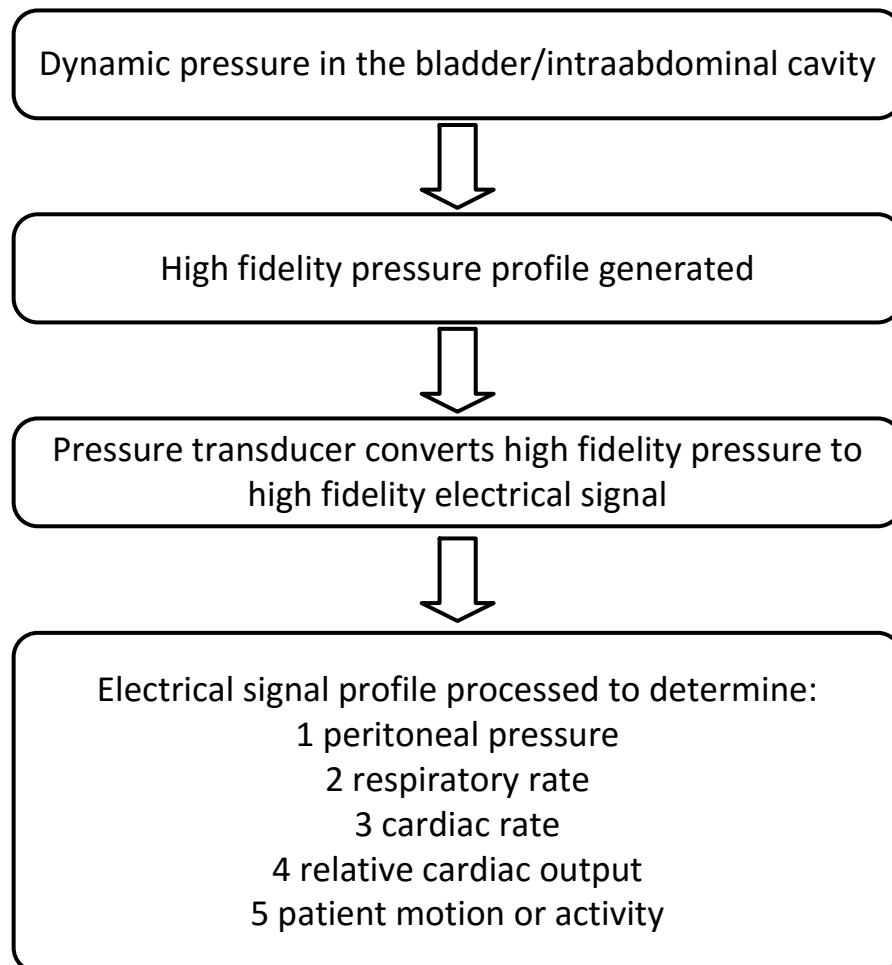


Fig. 9

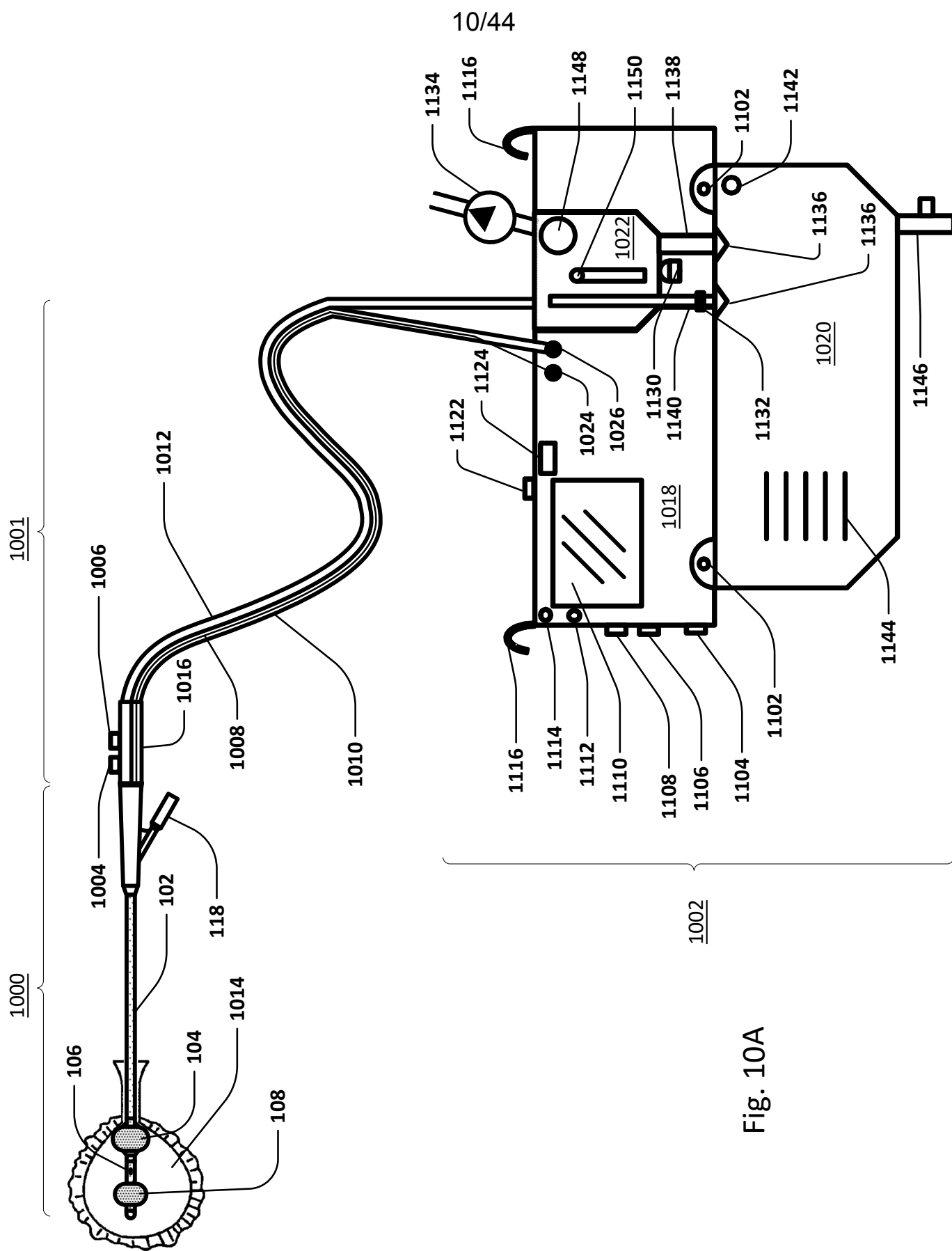


Fig. 10A

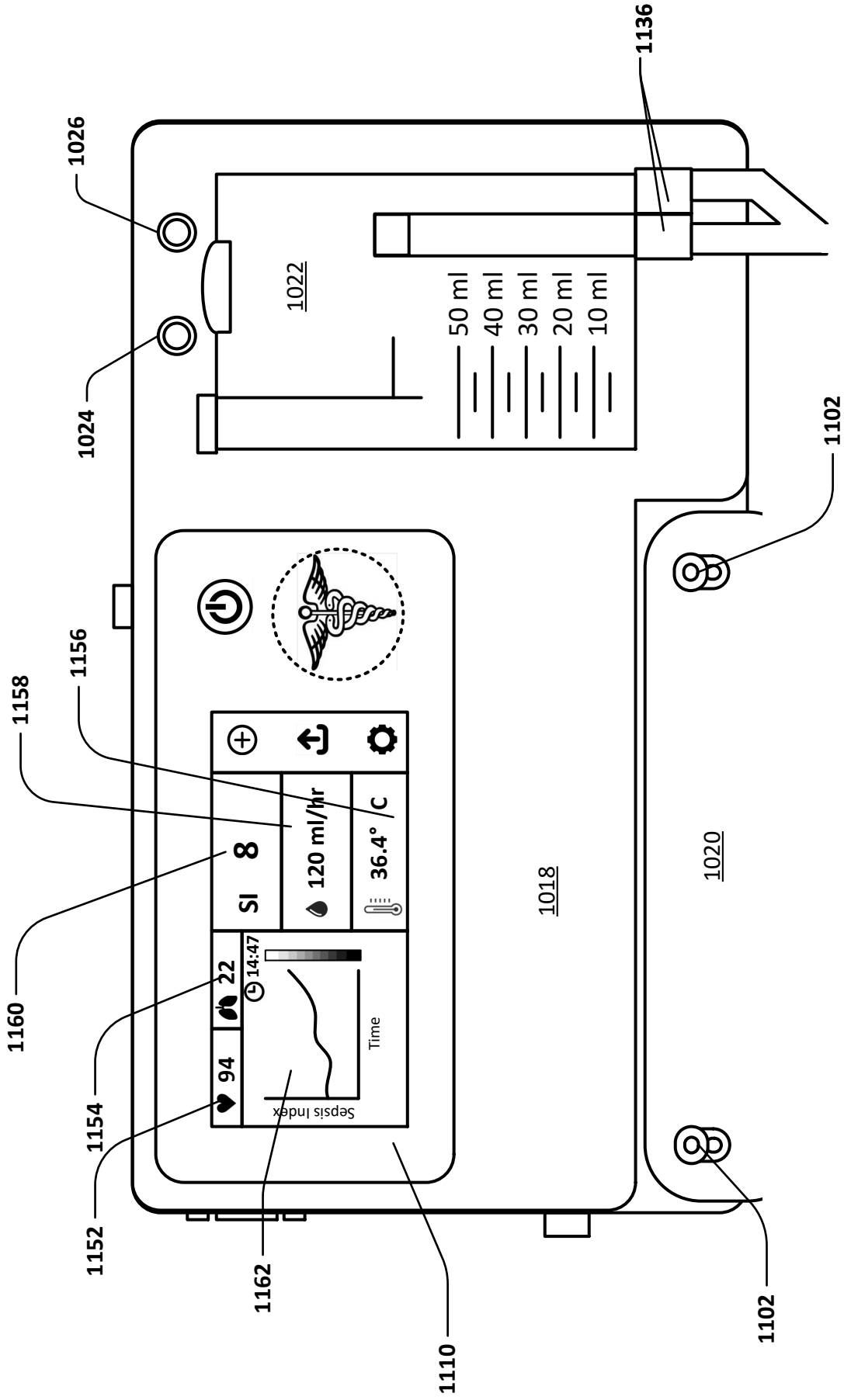


Fig. 10B

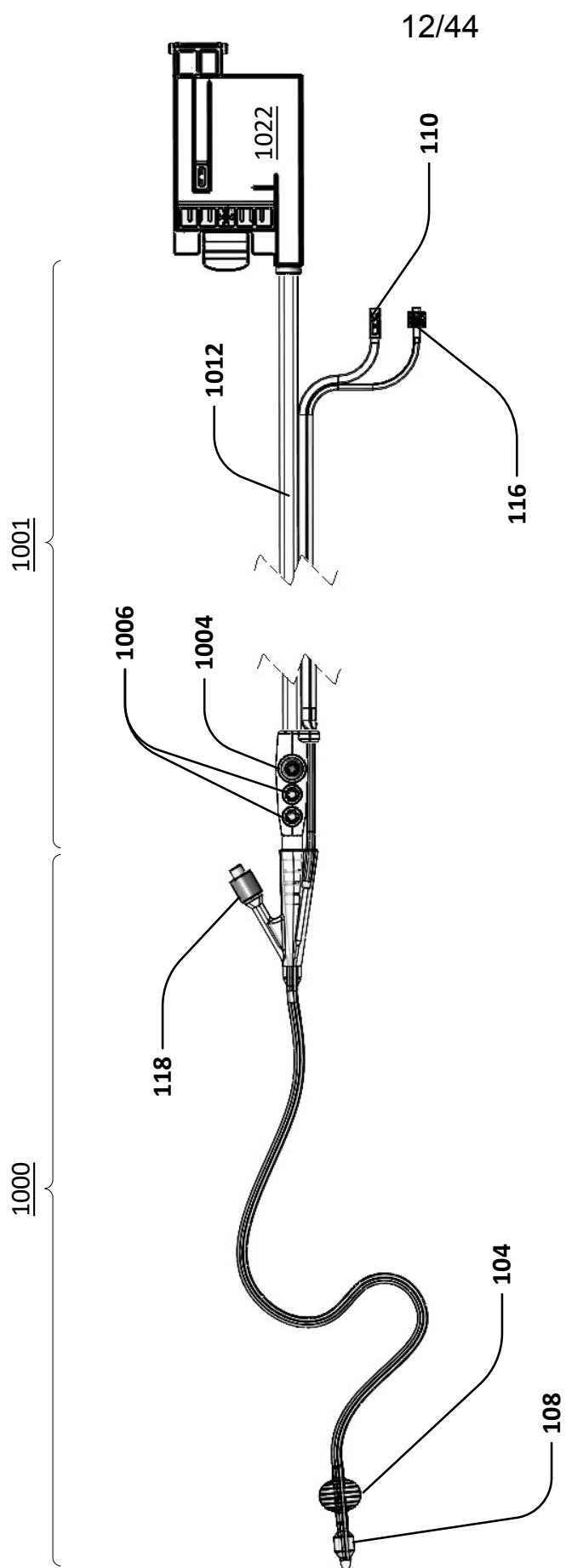


Fig. 10C

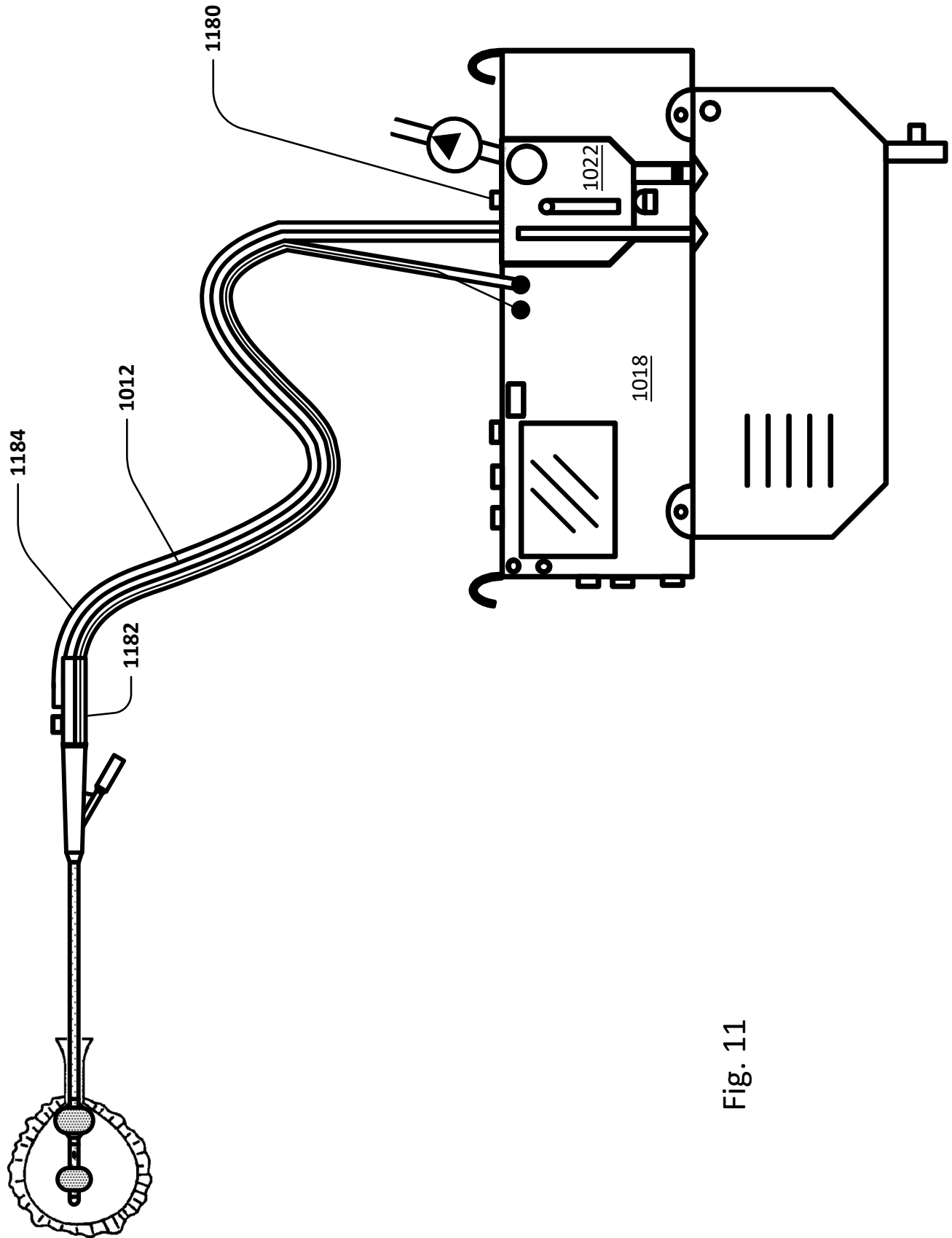


Fig. 11

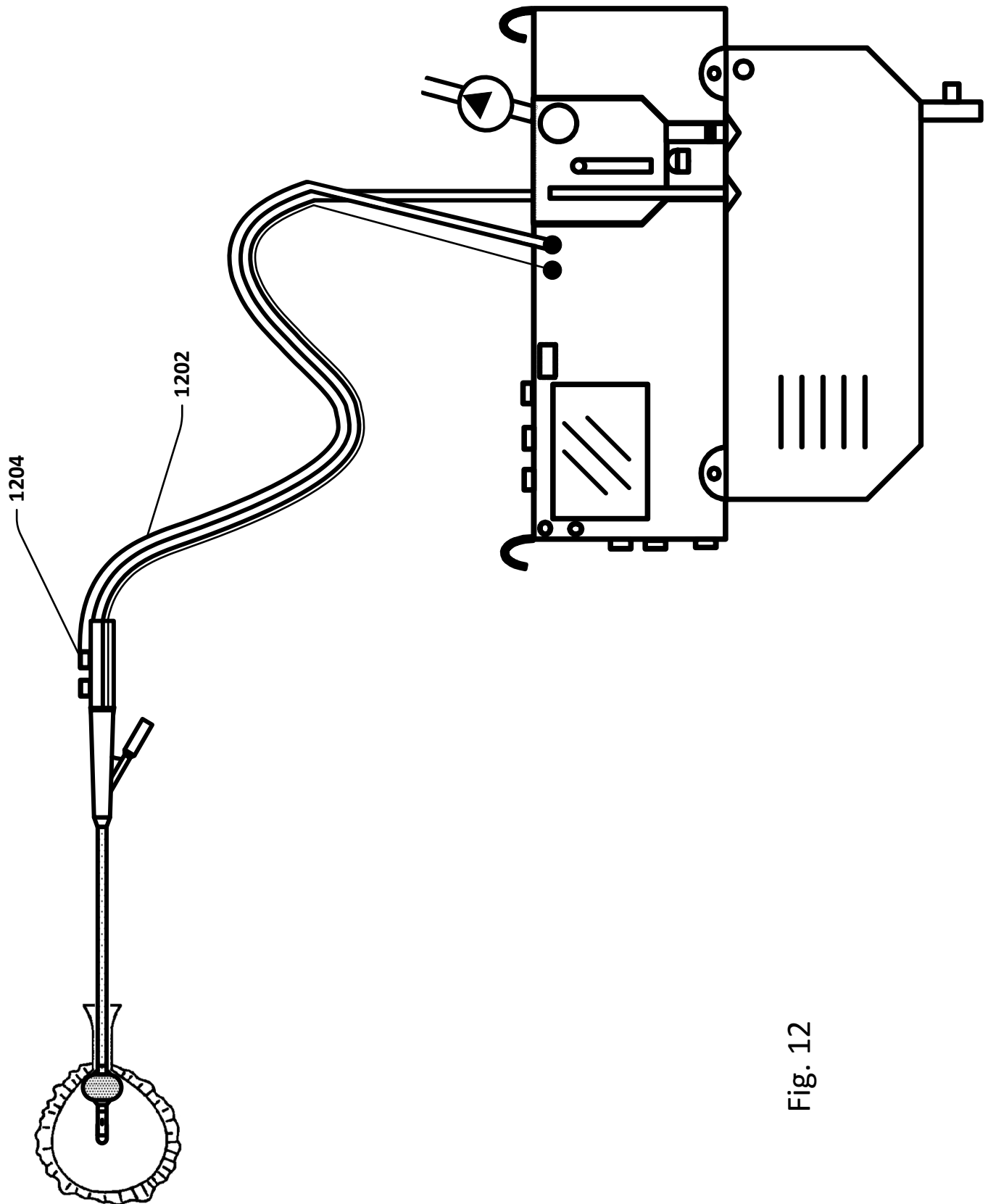


Fig. 12

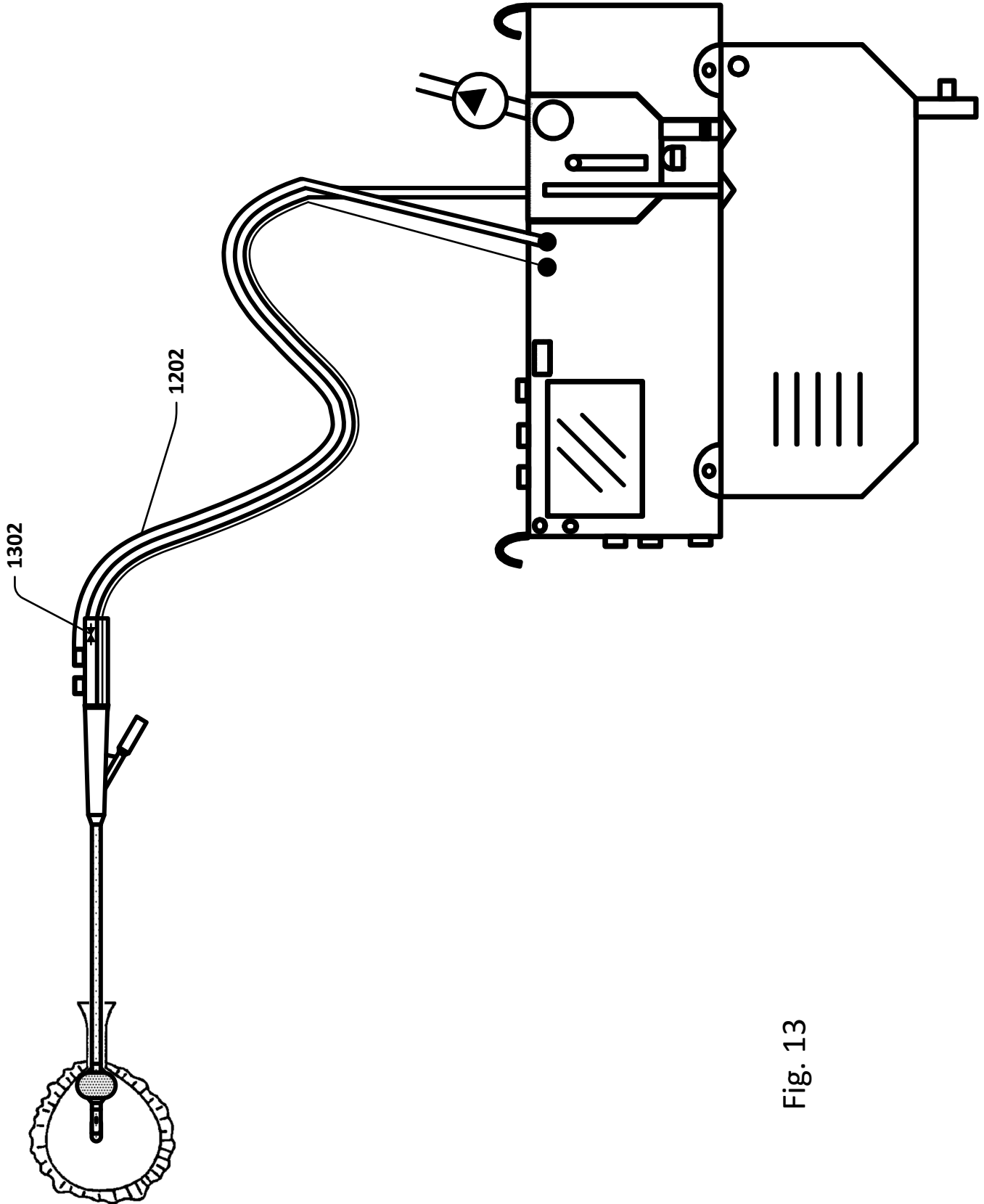


Fig. 13

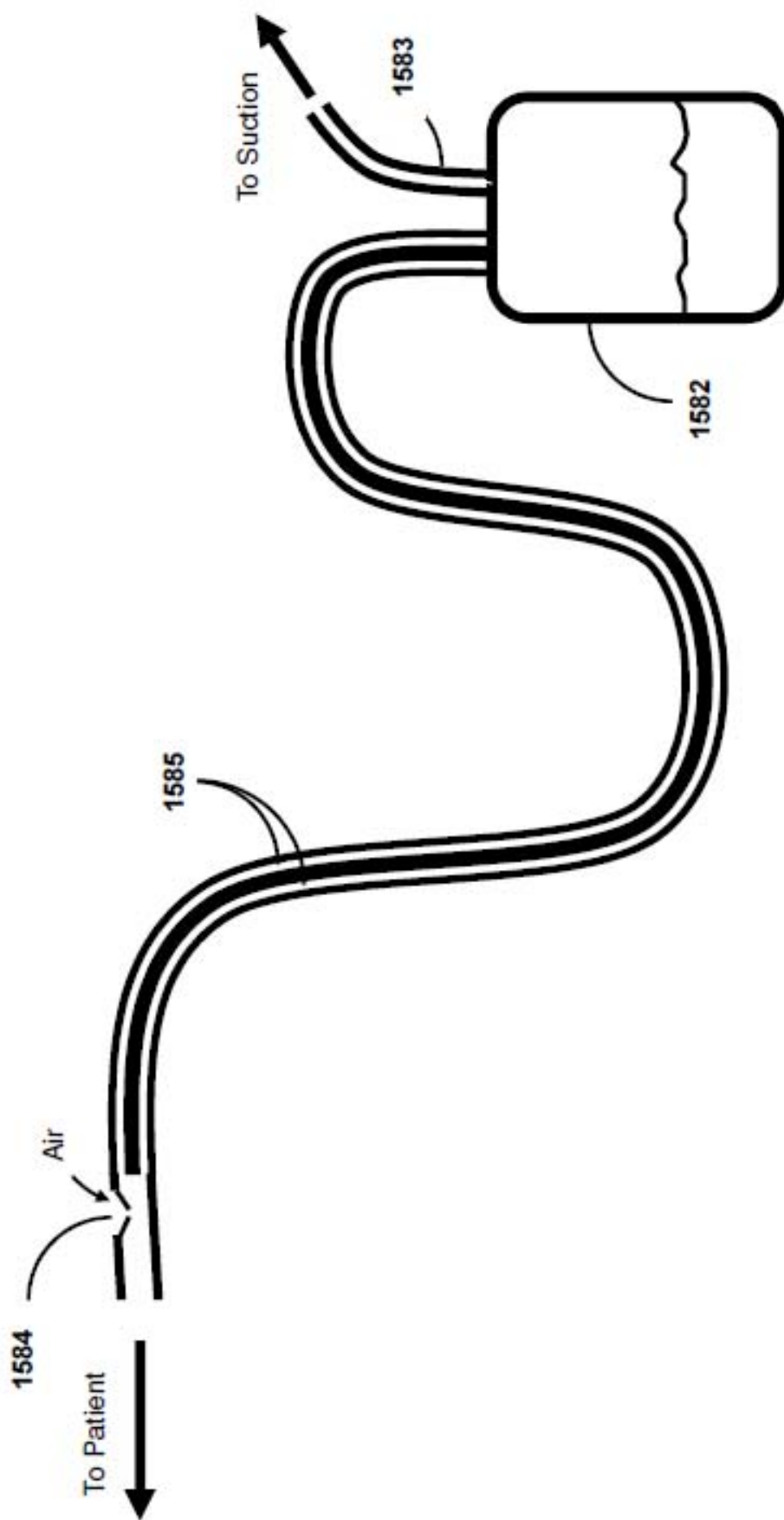


Fig. 14

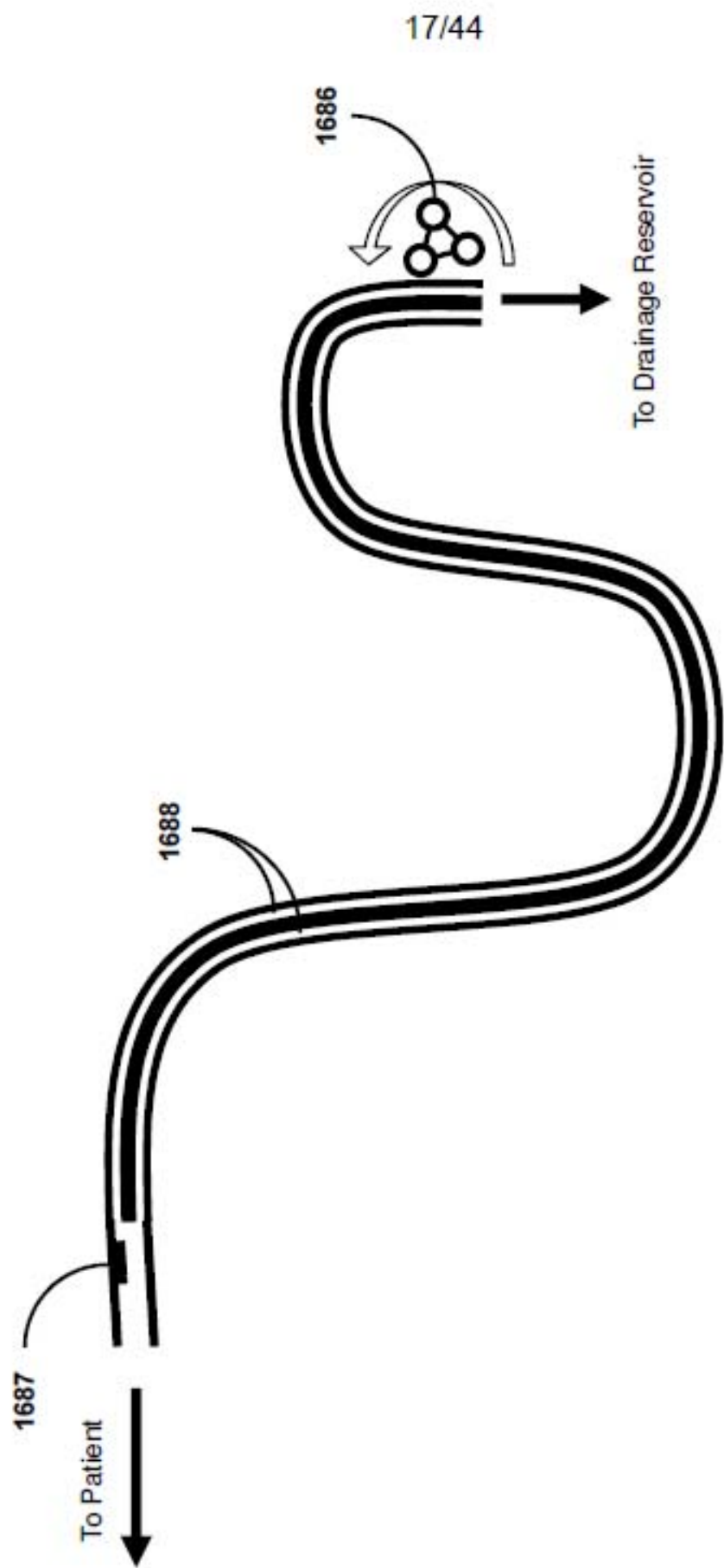


Fig. 15

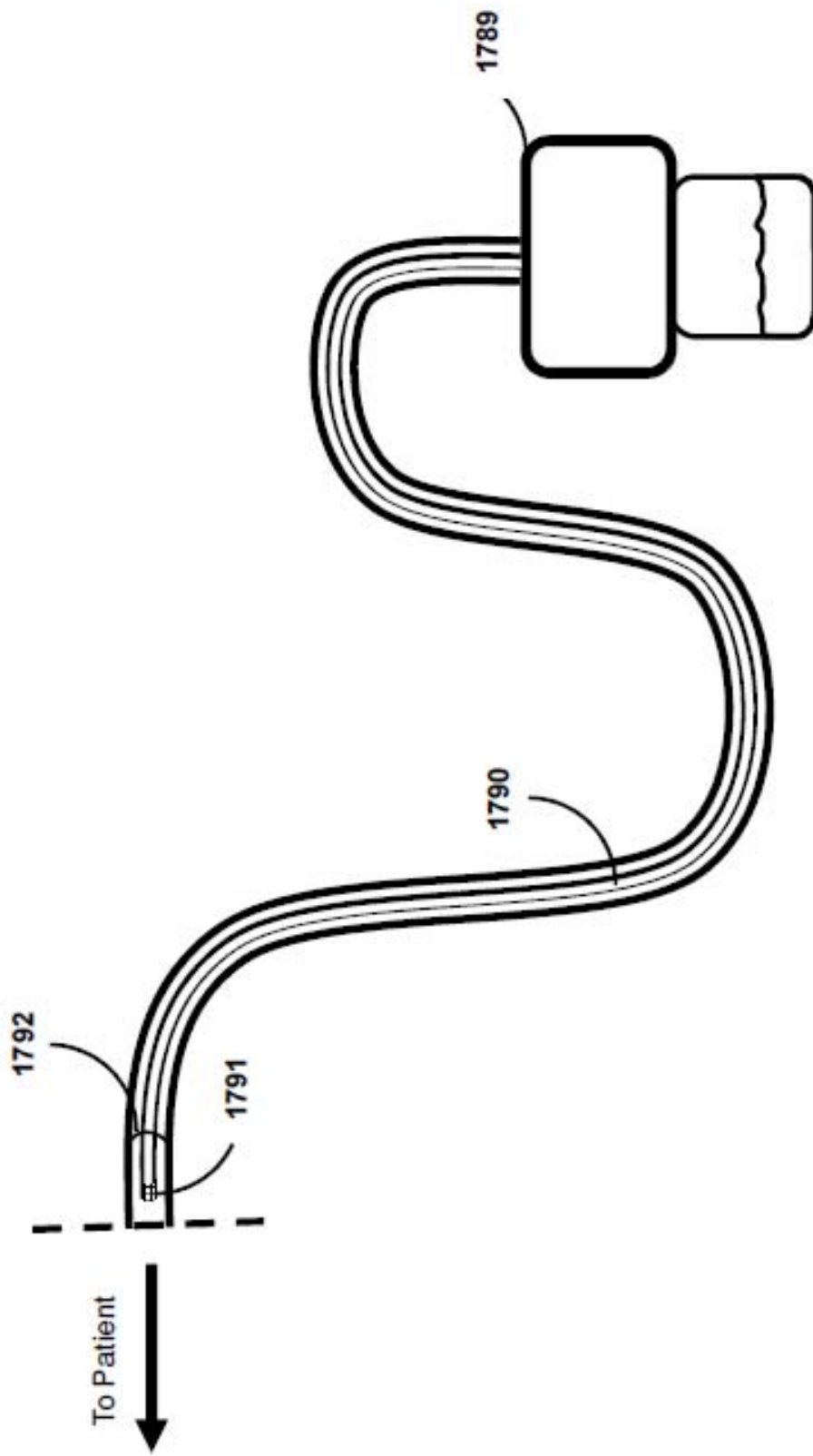


Fig. 16

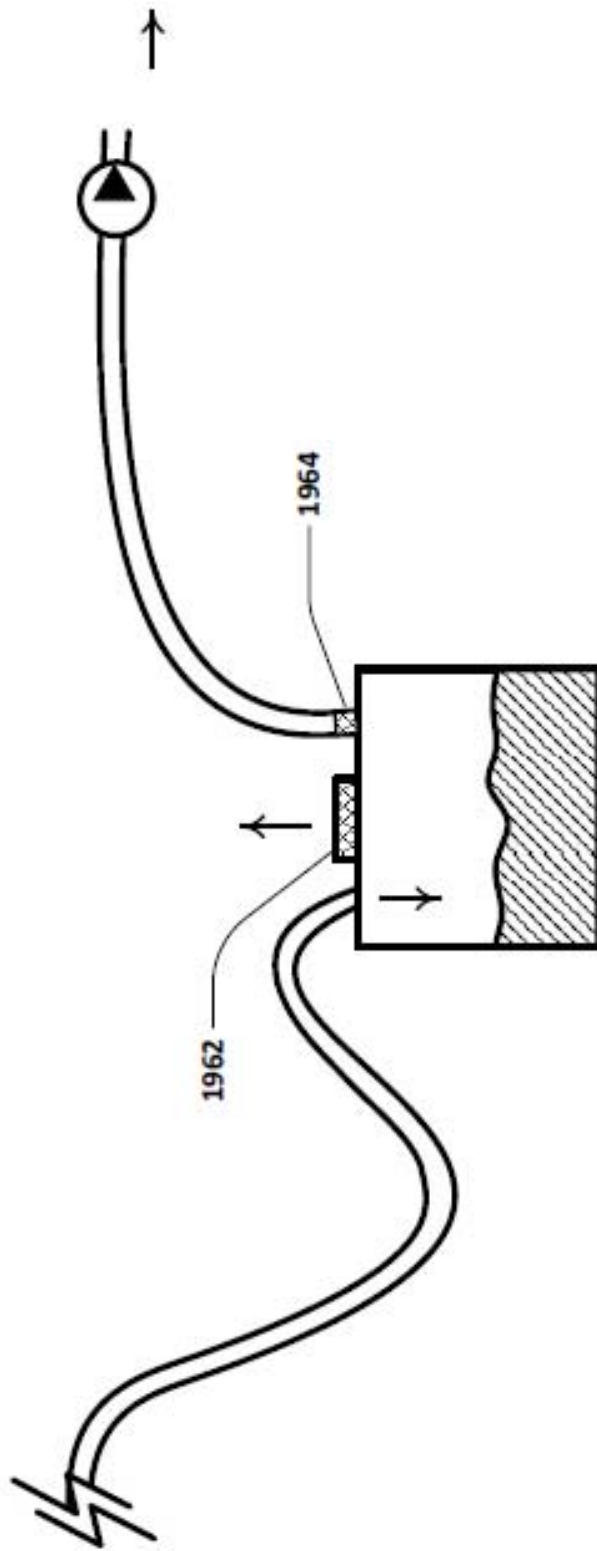


Fig. 17

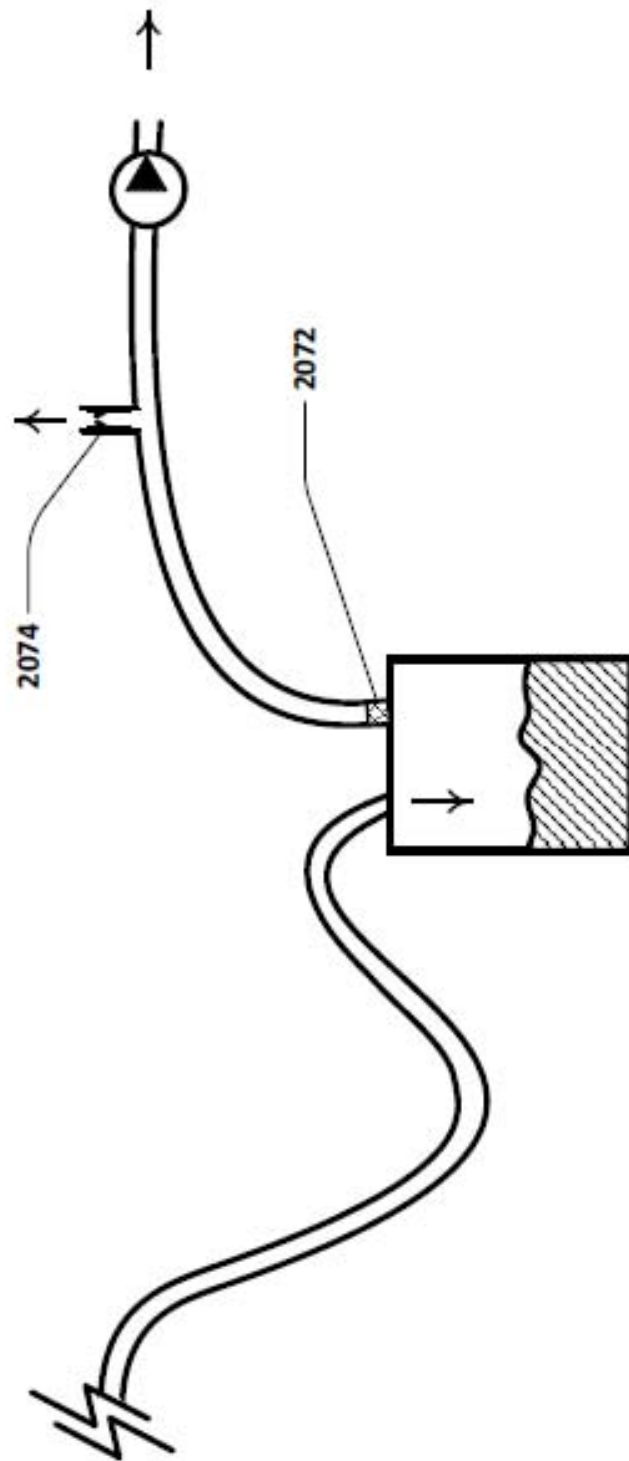


Fig. 18

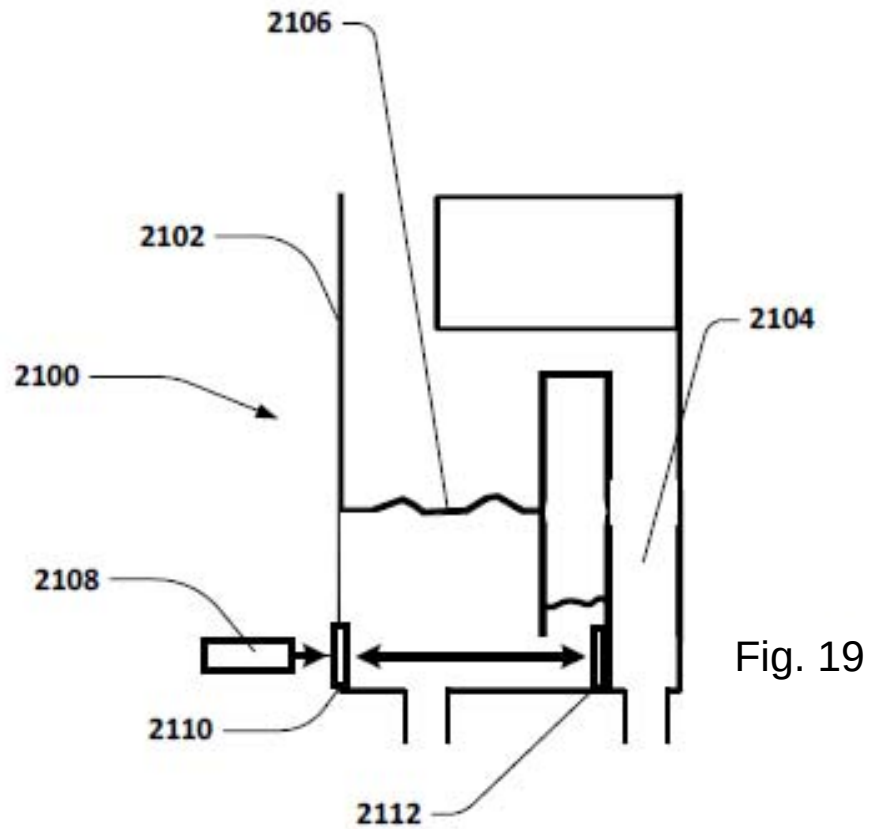


Fig. 19

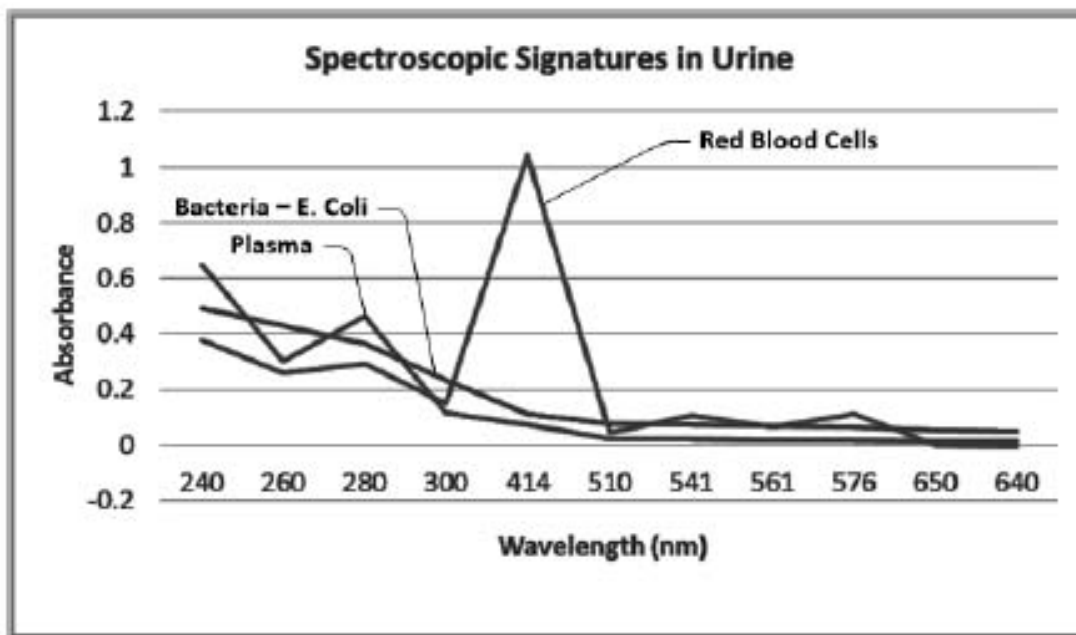


Fig. 20

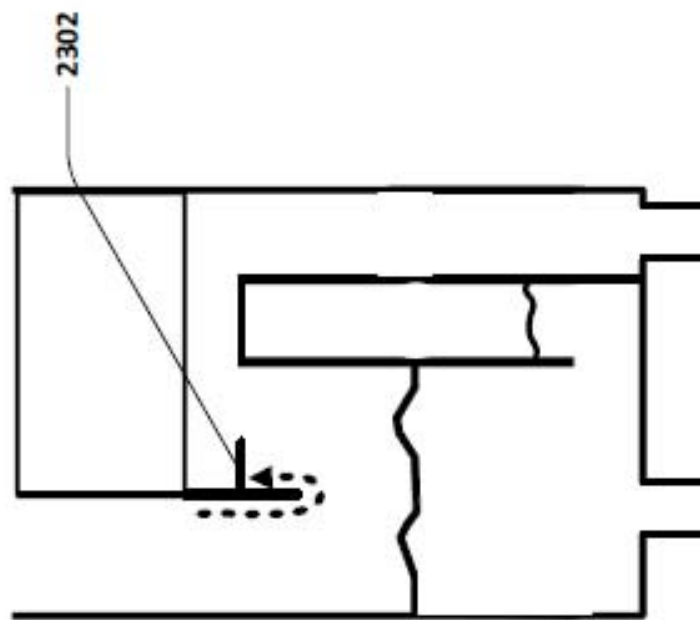


Fig. 21

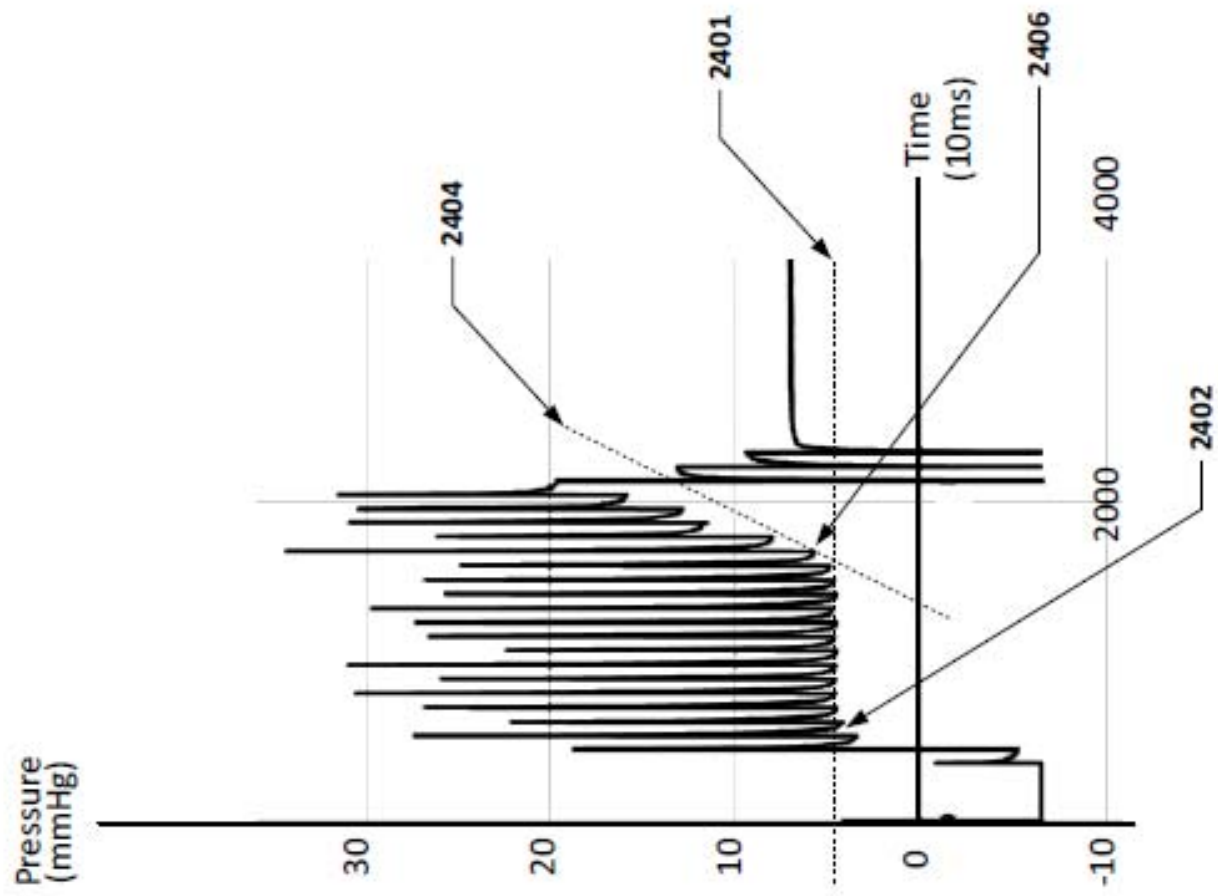


Fig. 22

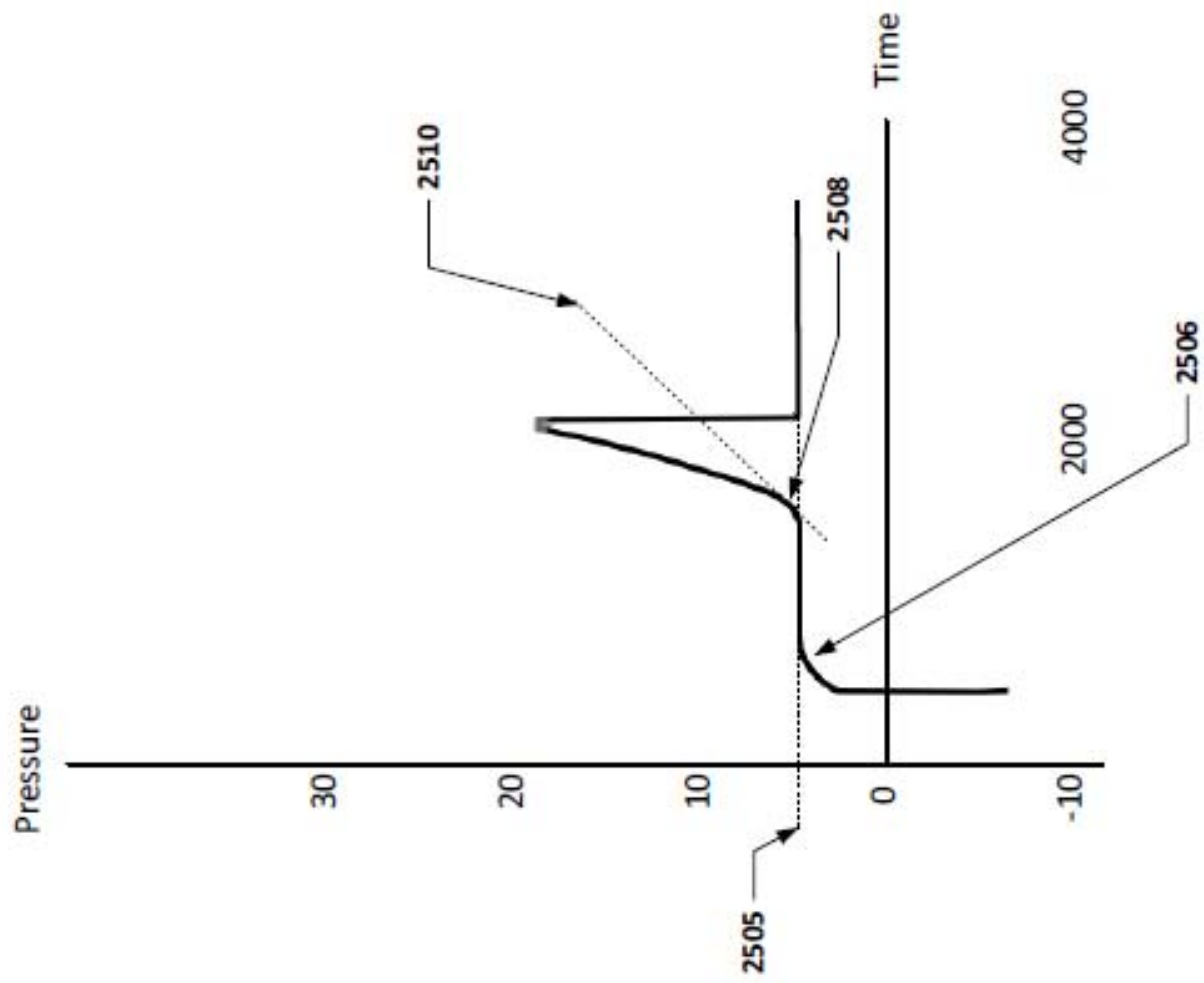


Fig. 23

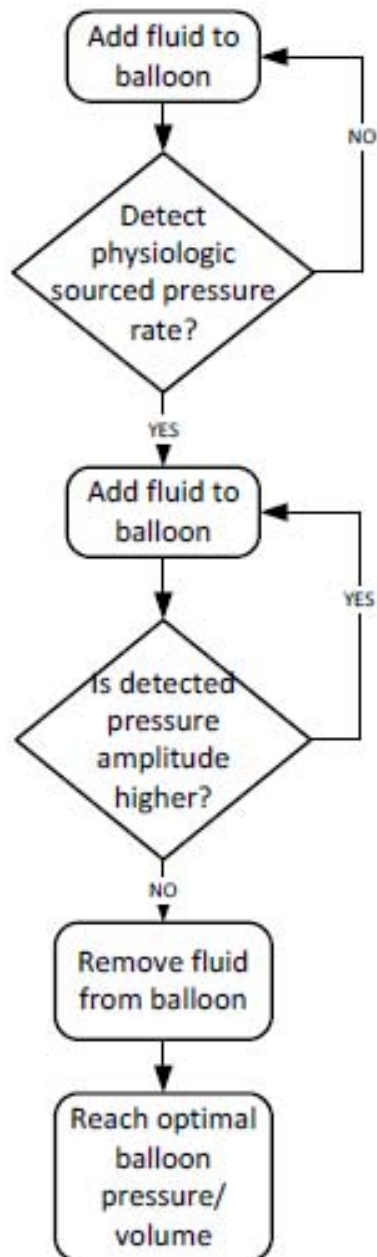


Fig. 24

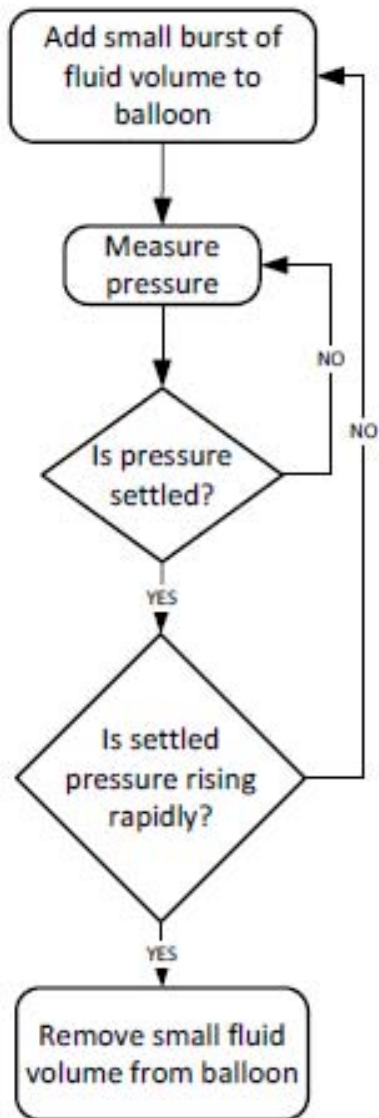


Fig. 25

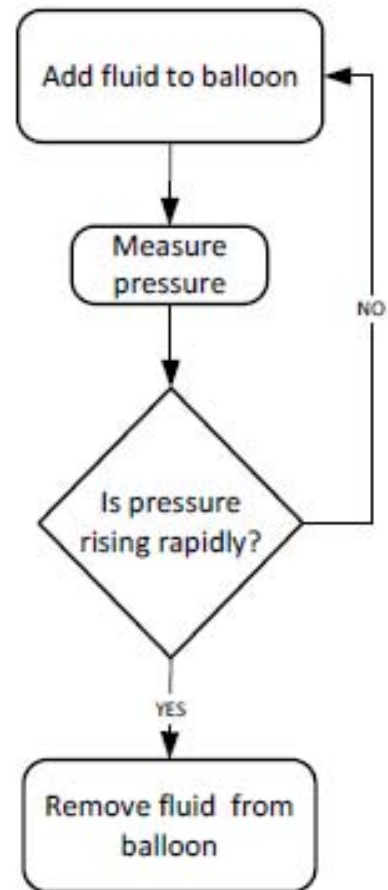


Fig. 26

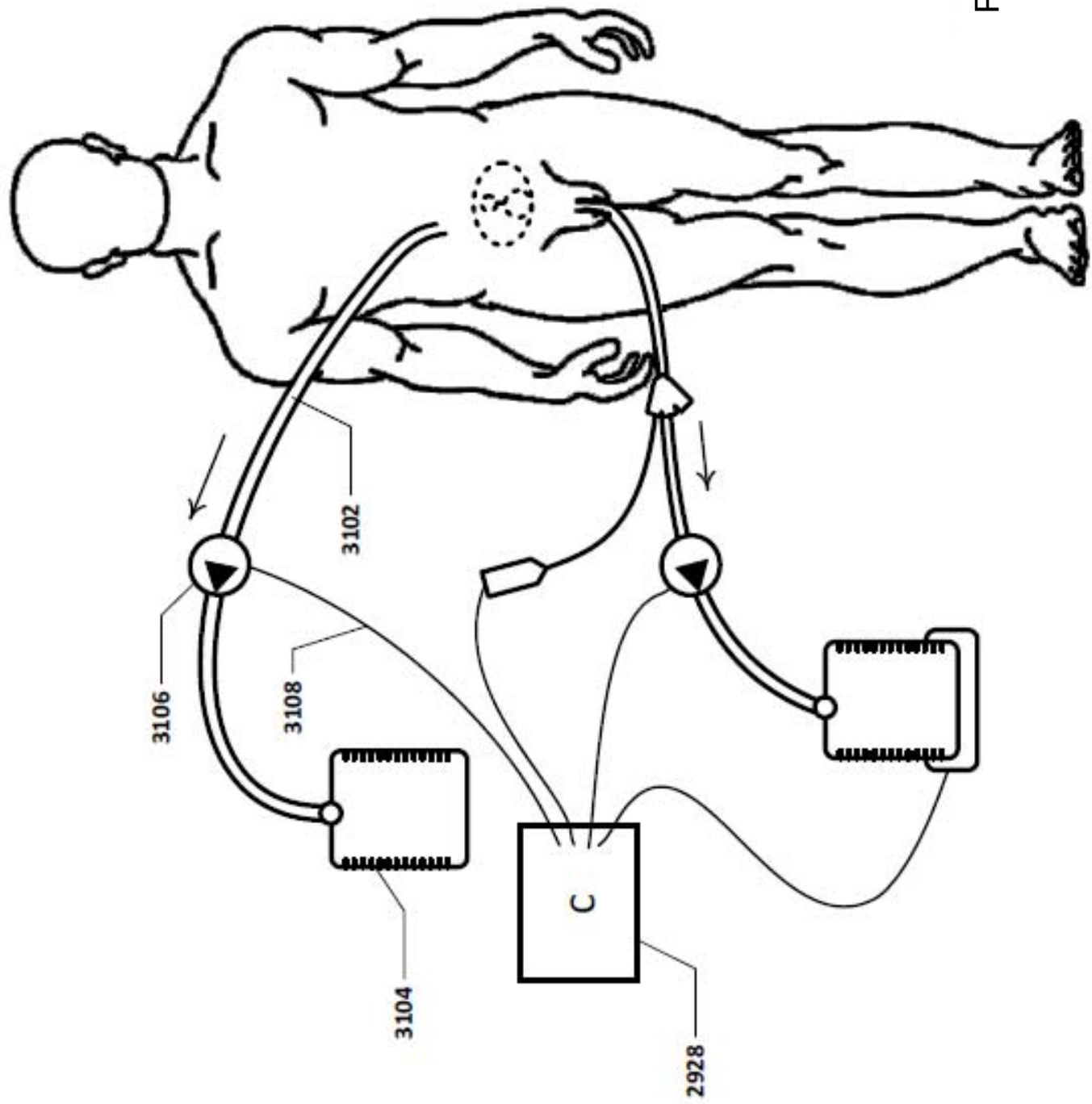


Fig. 29

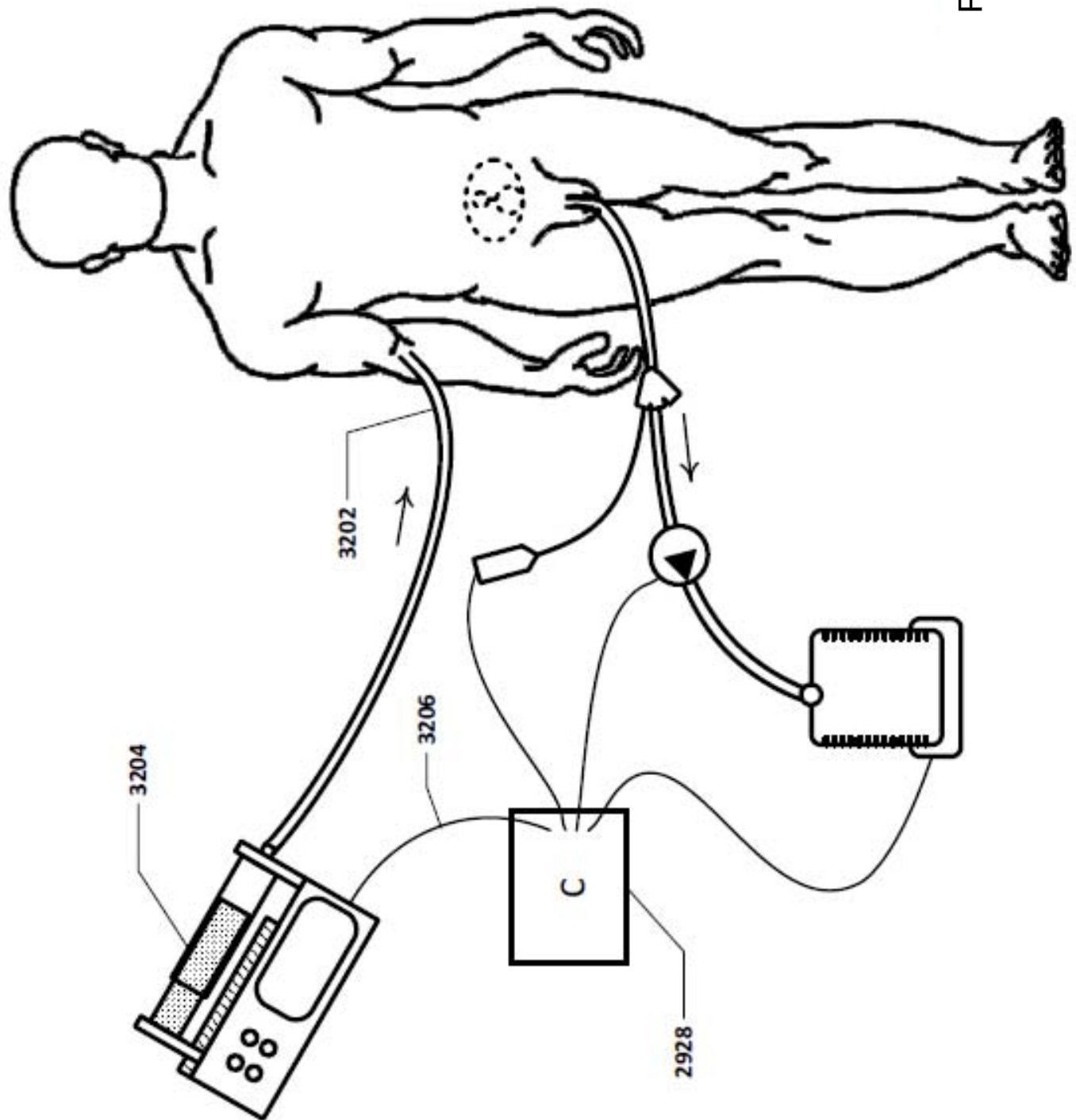


Fig. 30

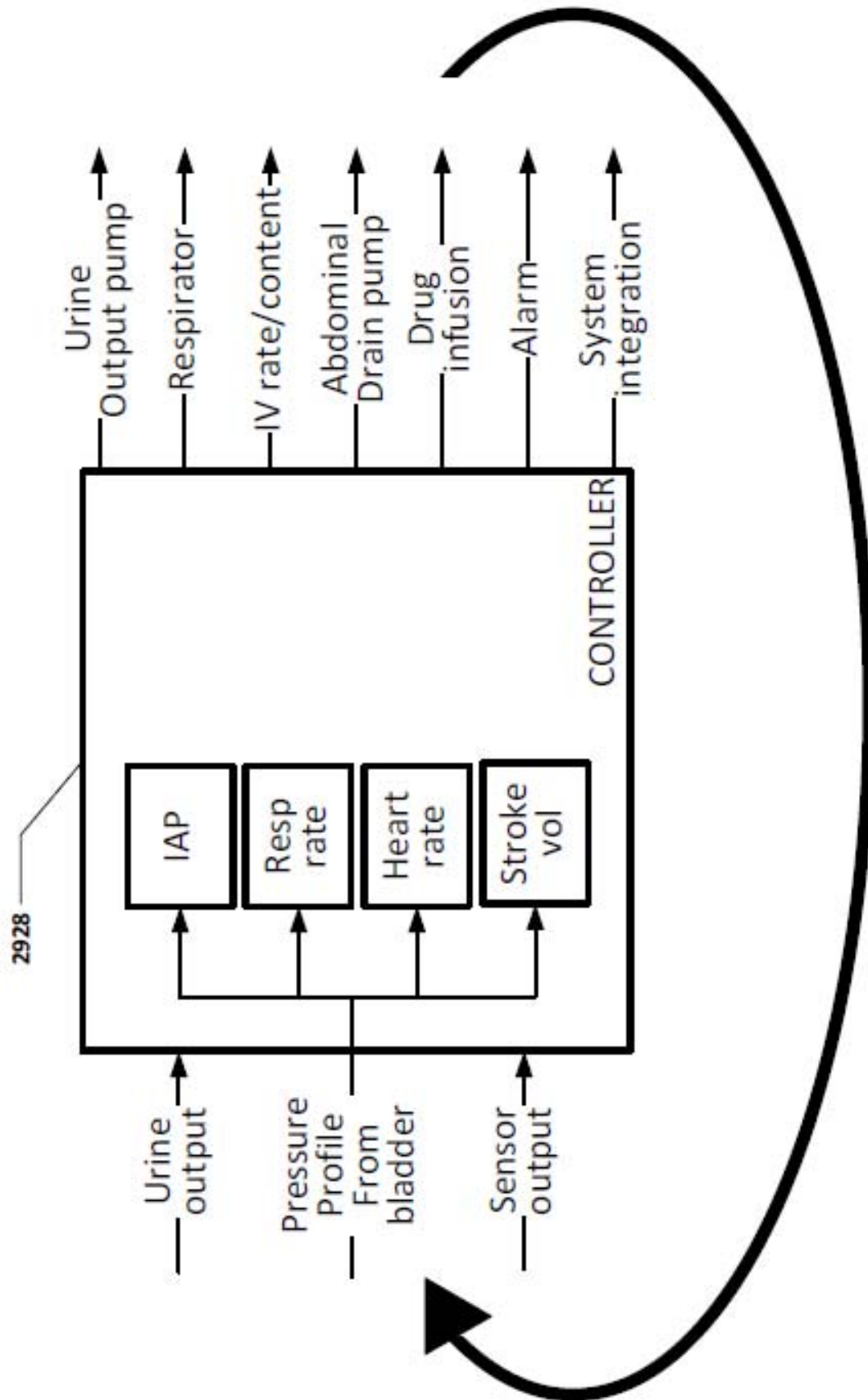


Fig. 31

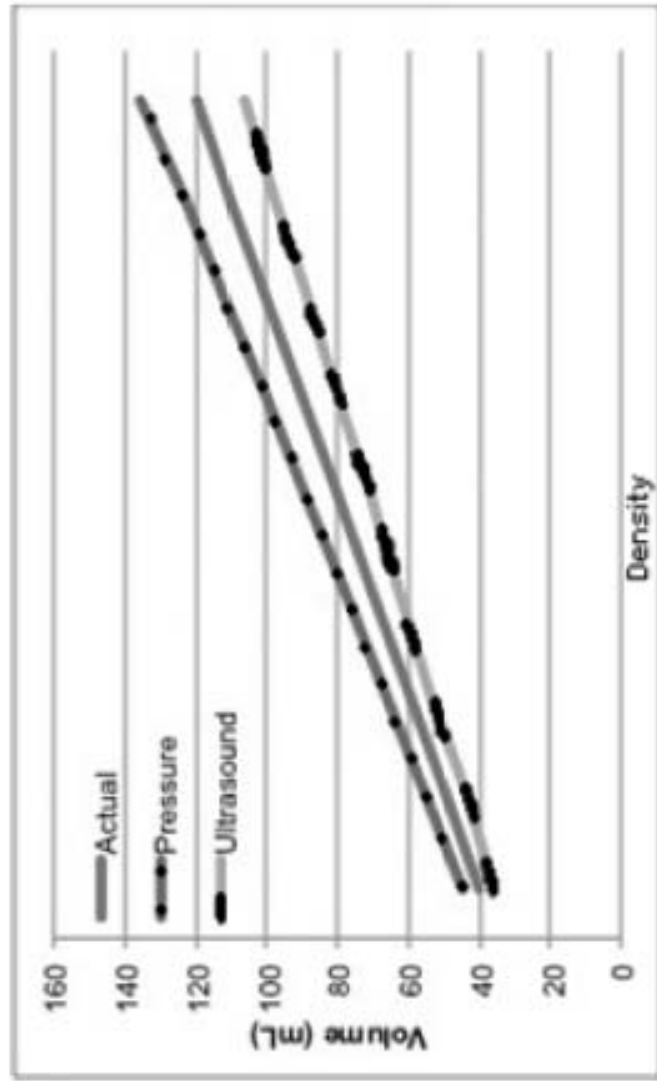
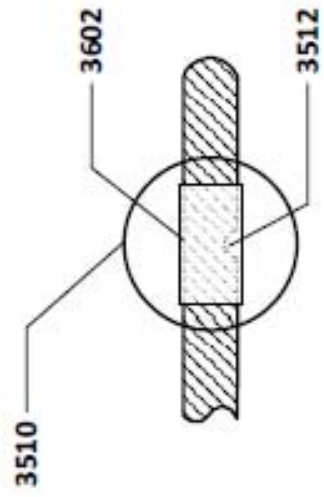
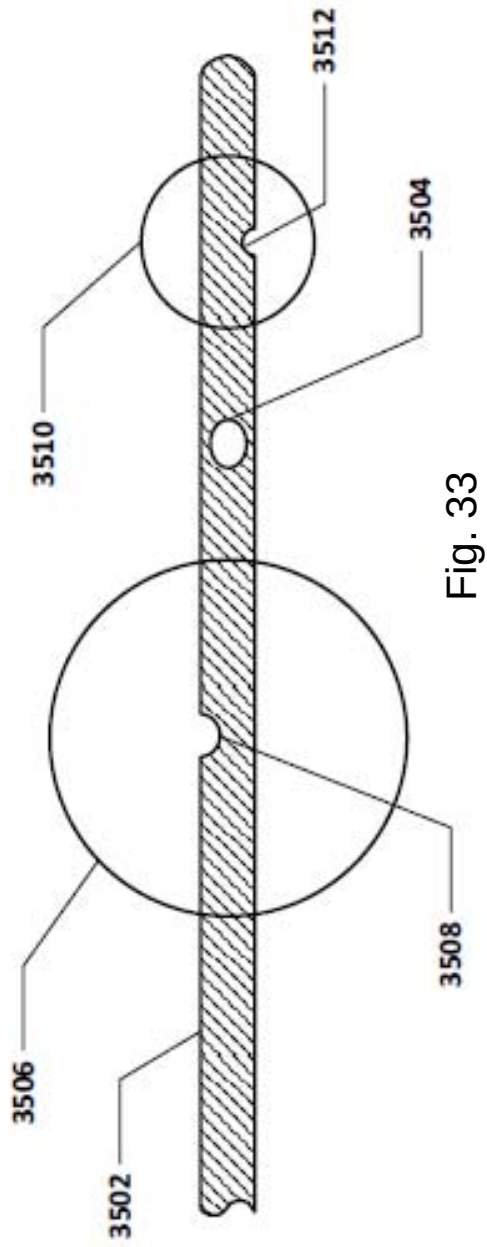


Fig. 32



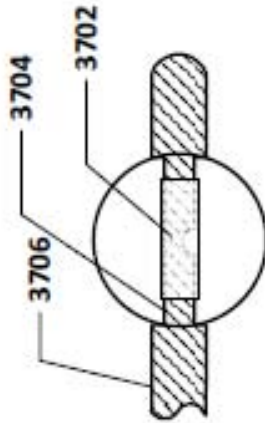


Fig. 35

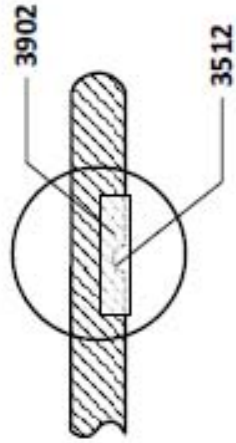


Fig. 37

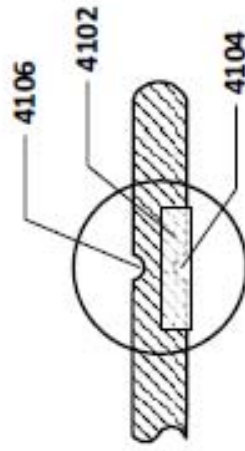


Fig. 39



Fig. 36

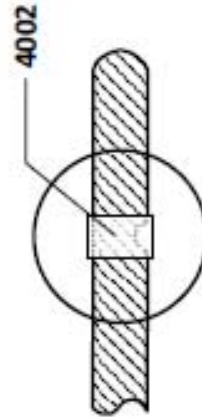


Fig. 38

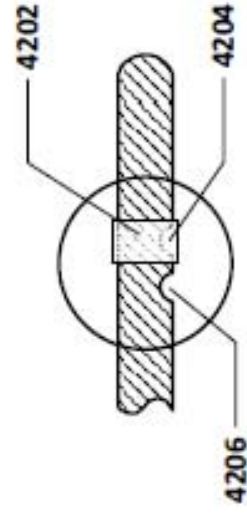


Fig. 40

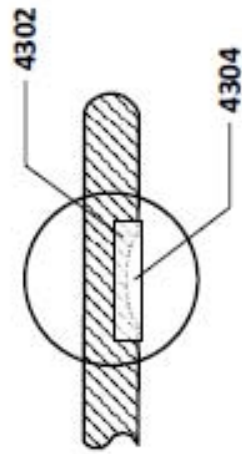


Fig. 41

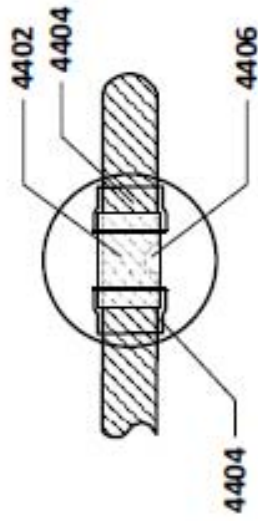


Fig. 42

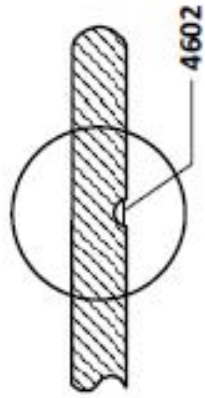


Fig. 44

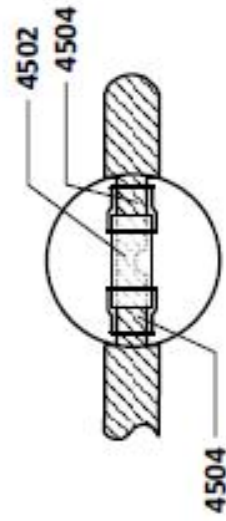
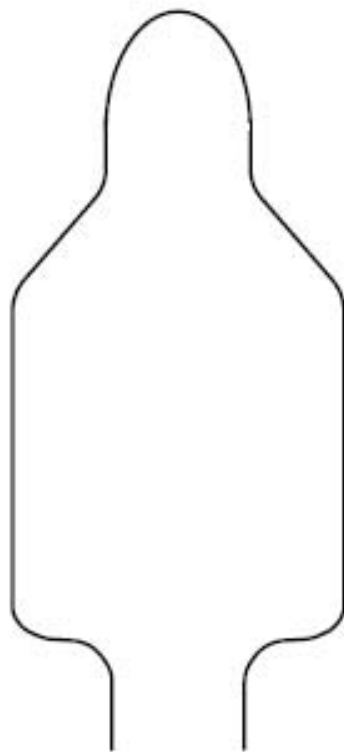
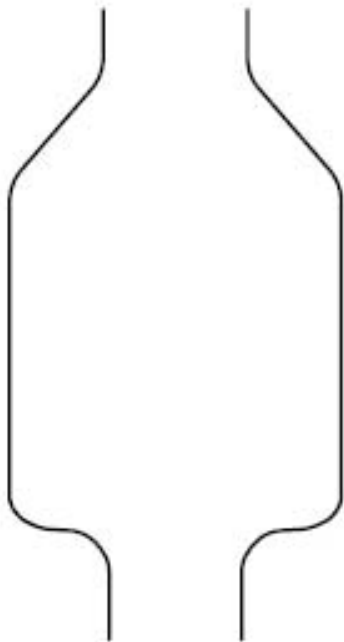
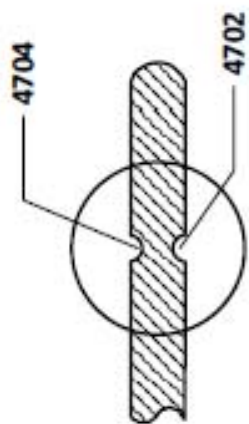


Fig. 43



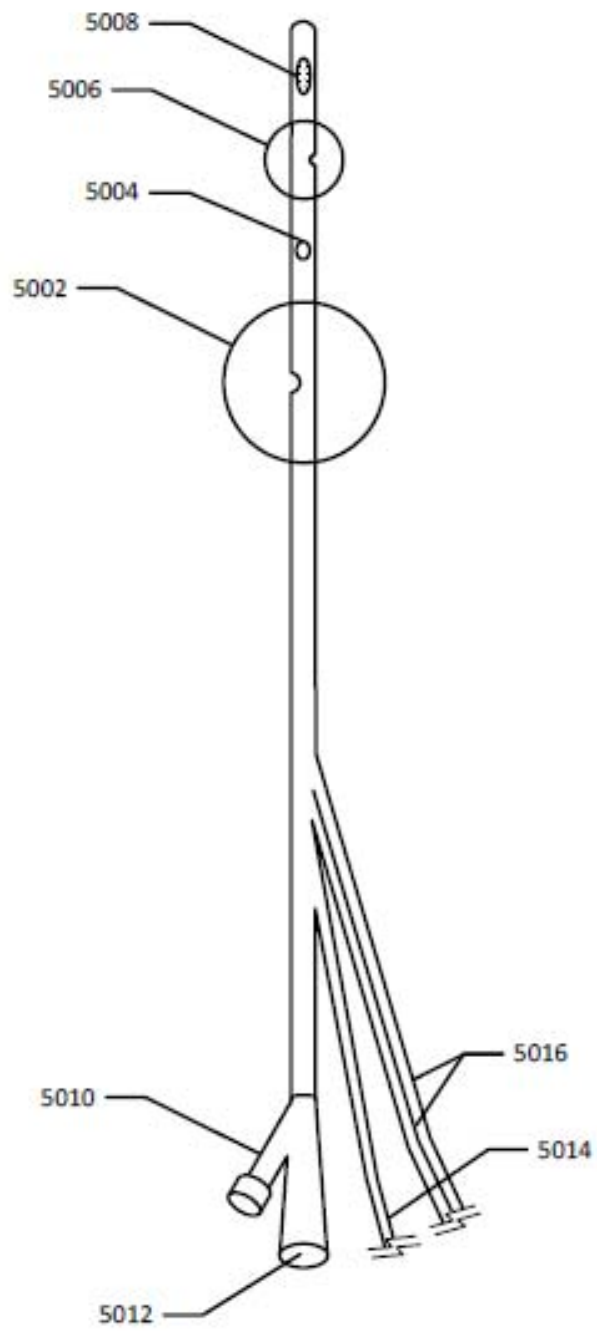


Fig. 48

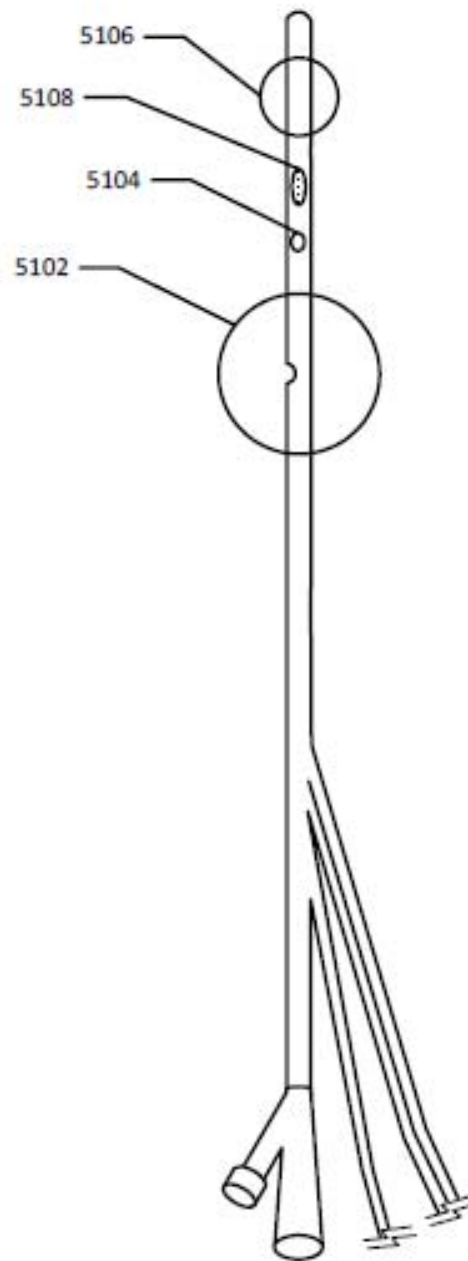


Fig. 49

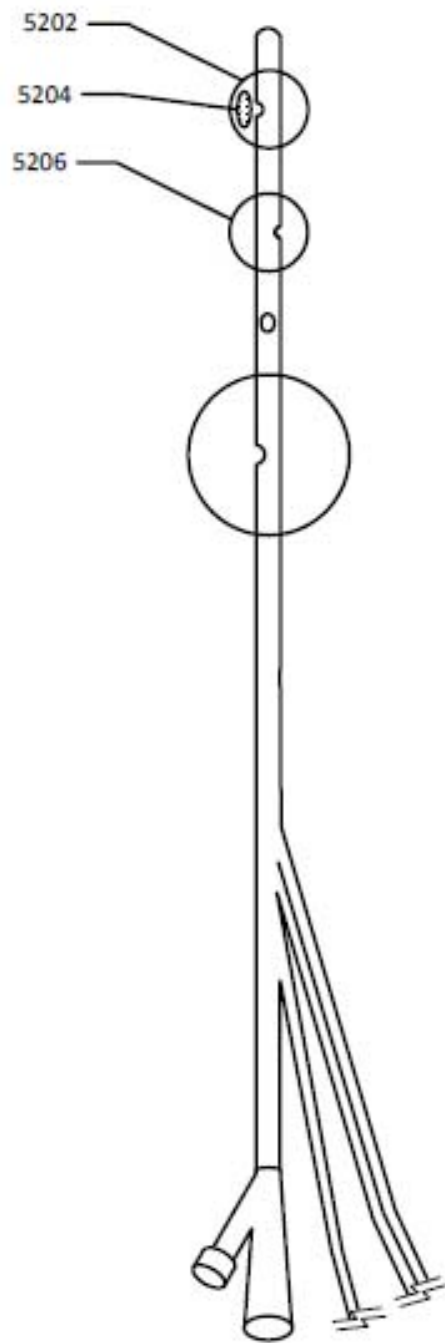


Fig. 50

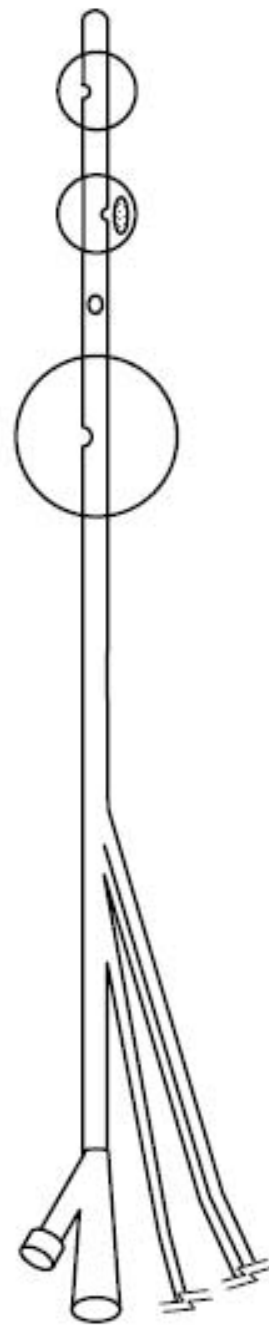


Fig. 51

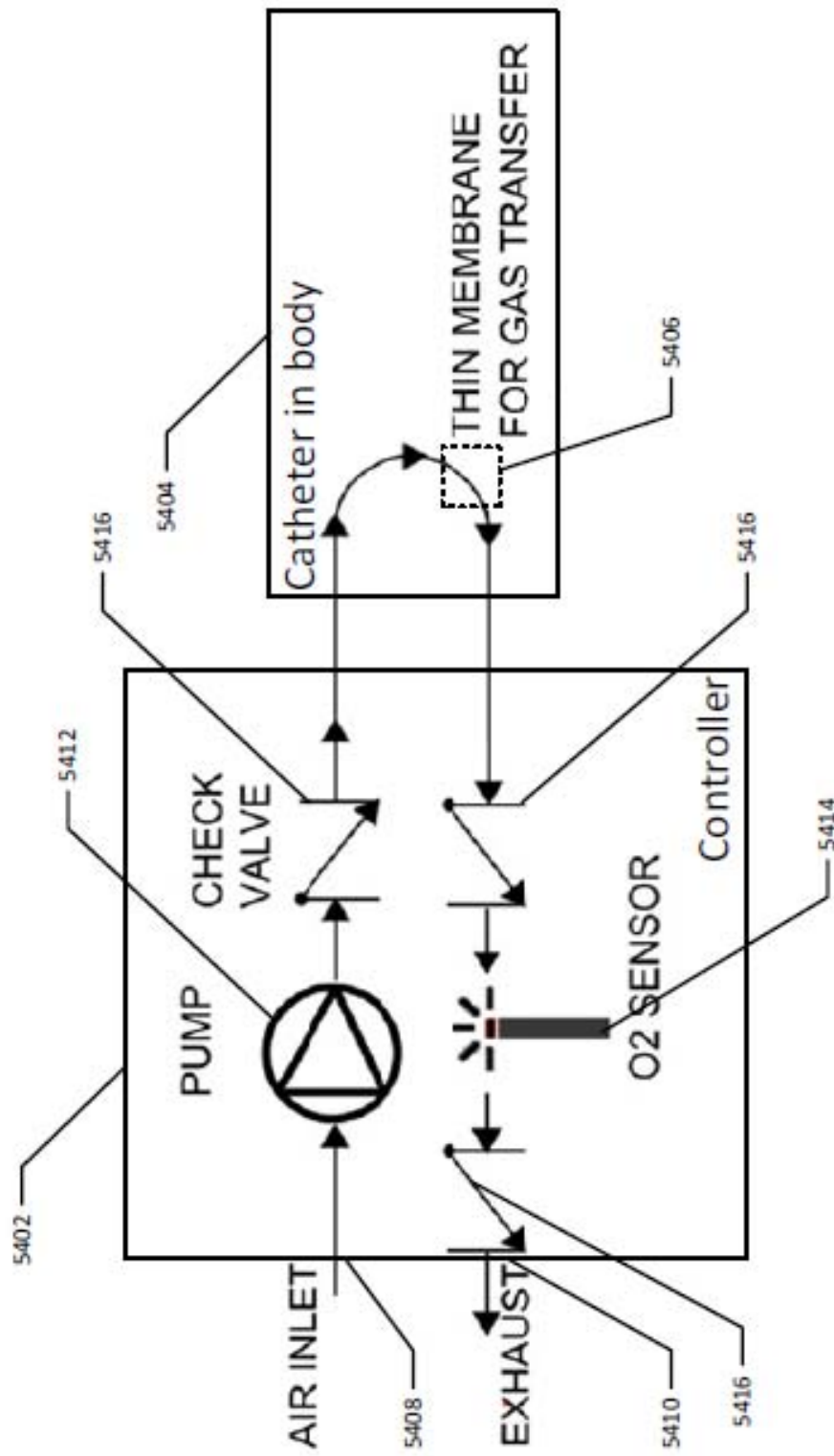
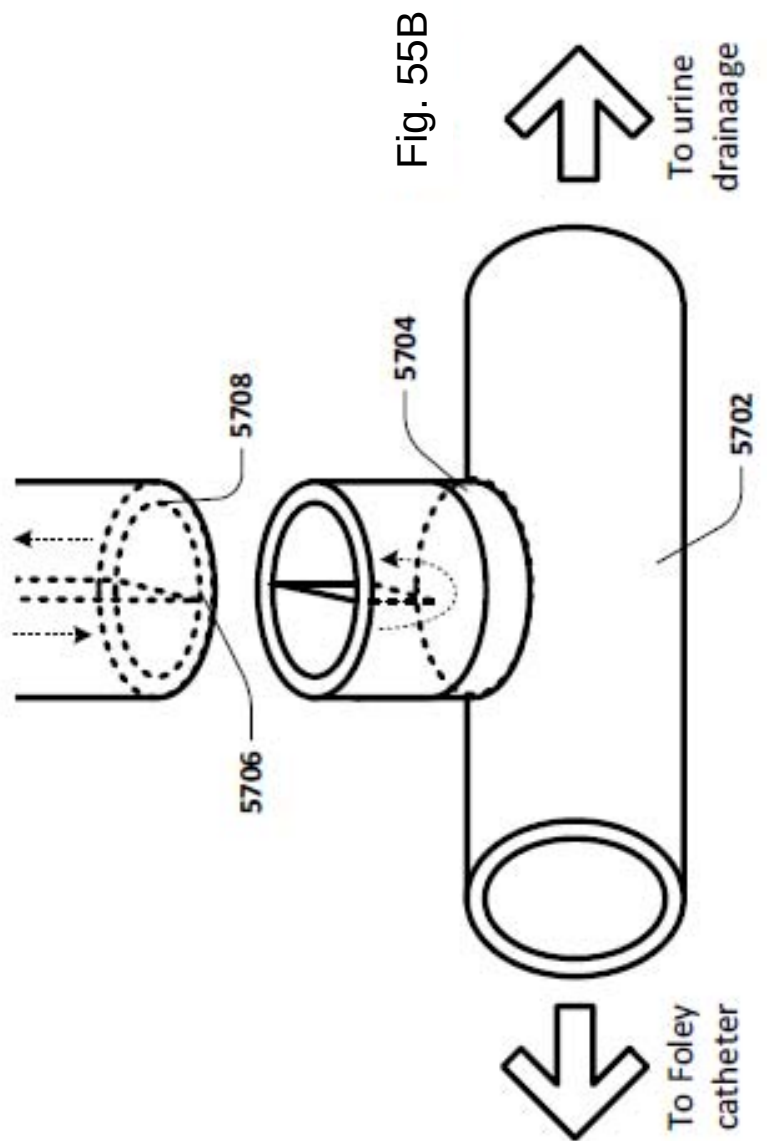
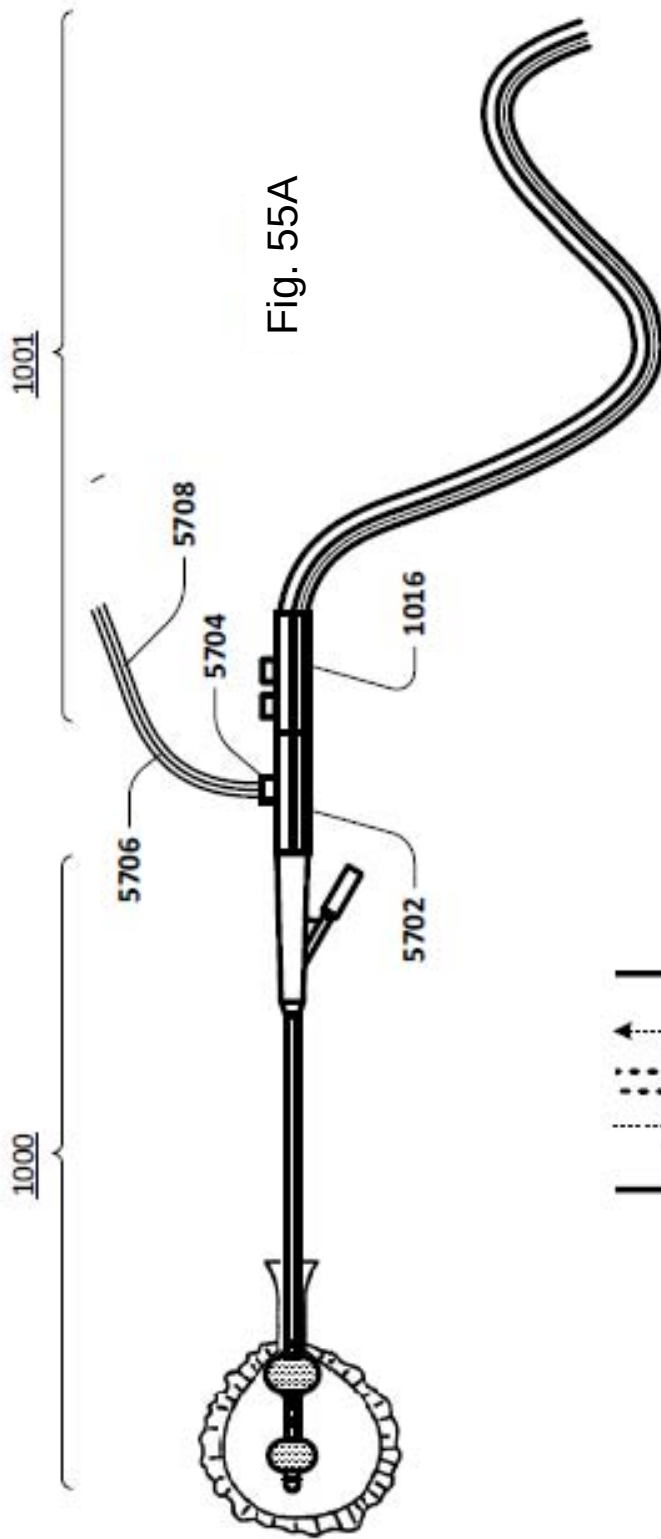


Fig. 52



Parameter	Condition			
	AKI			UTI
	Prerenal	Intrinsic	Postrenal	
Urine Oxygen Tension	↓ then ↑	↓ then ↑	-	↓↓
Urine Output	↓↓	↓↓	↓↓↓	-
Urine Conductance	↓	↑	↑↑	-
Specific Gravity	↑	↓	-	↑

Fig. 56A

Parameter	Condition		
	Sepsis	AKI	ARDS
Urine Output	↓	↓	↑ or ↓
Heart Rate	↑ then ↓	↓	↑
Respiratory Rate	↑	↑ or ↓	↑
Temperature	↑ then ↓	-	-
Stroke Volume/Cardiac Output	↑ then ↓	↑ or ↓	↑
Abdominal Perfusion Pressure	↑ then ↓	↓	↓

Fig. 56B

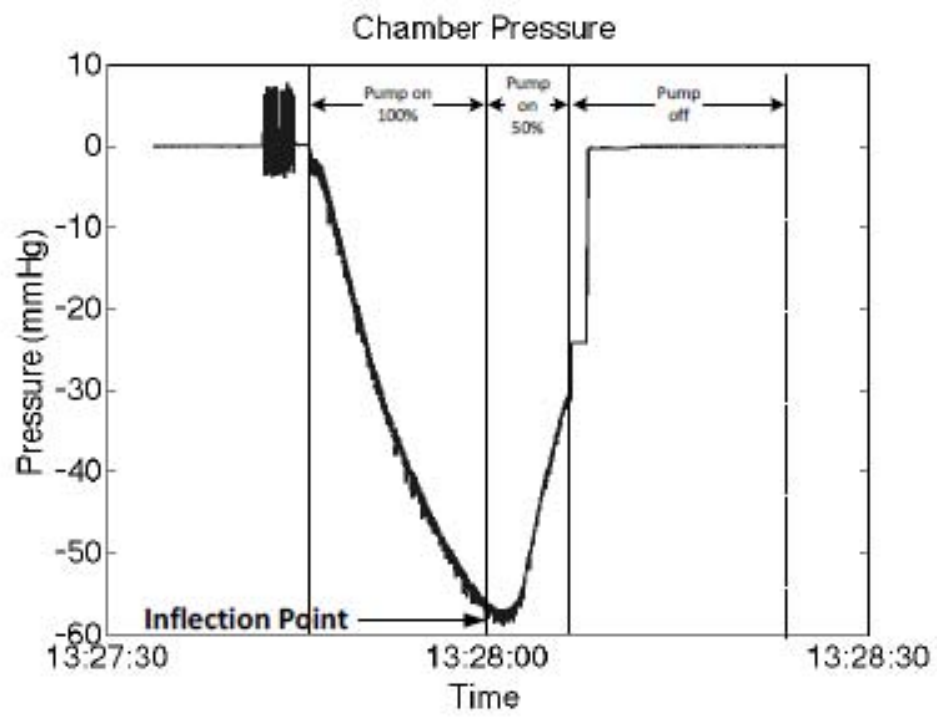


Fig. 57

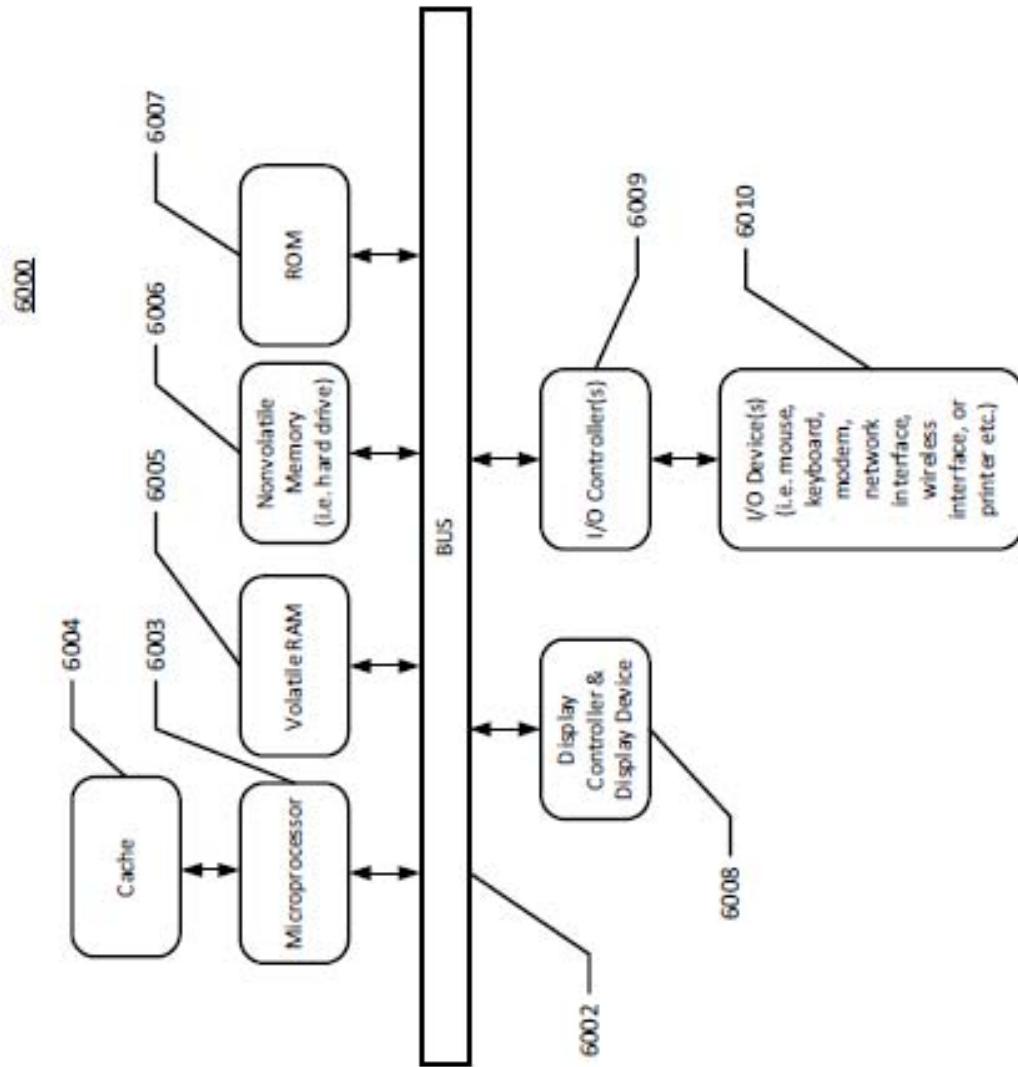


Fig. 58