

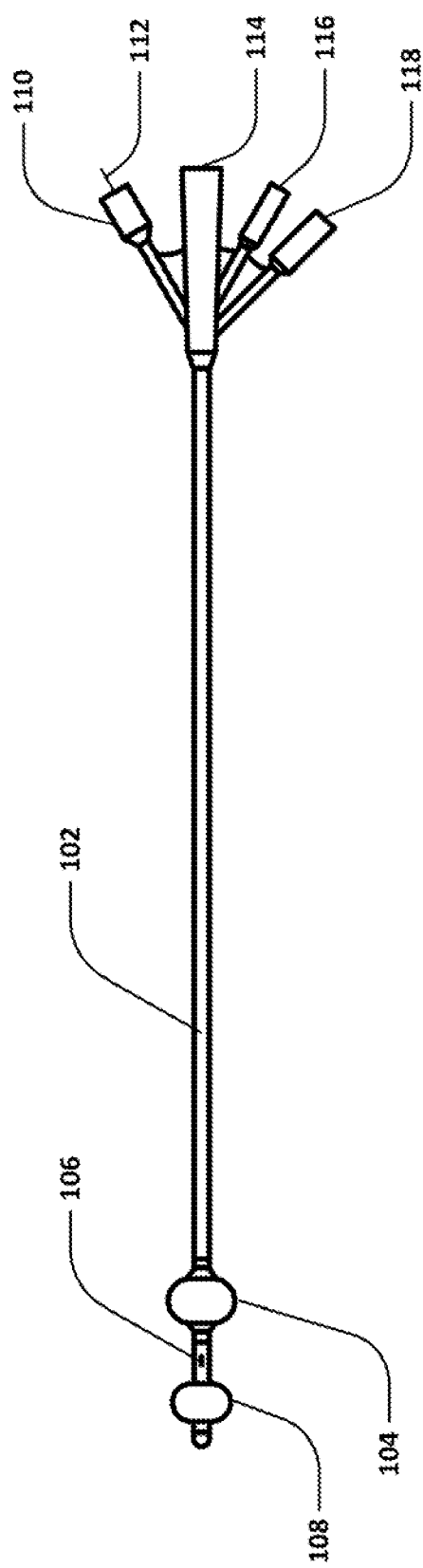


Fig.
1

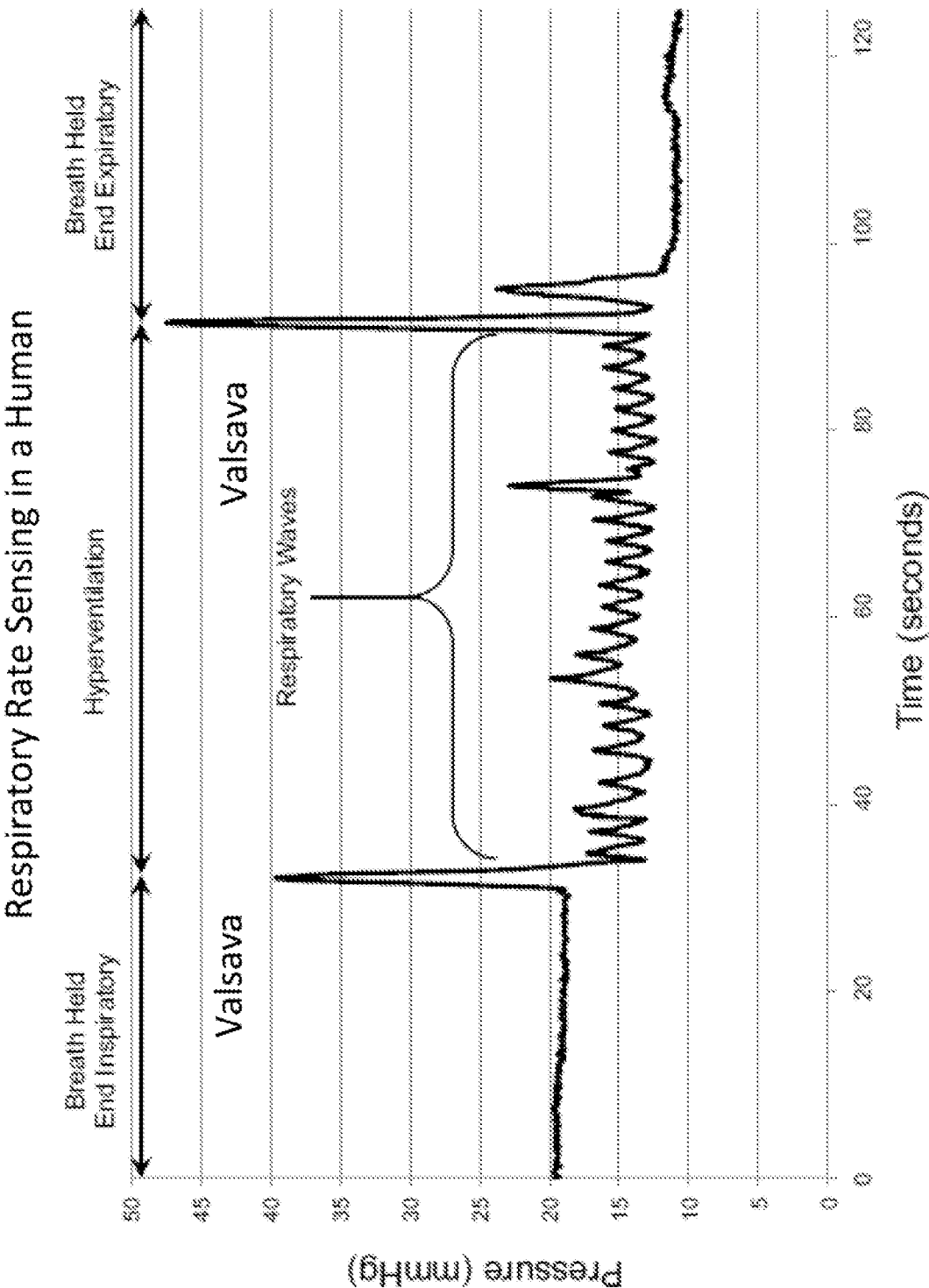


Fig. 2

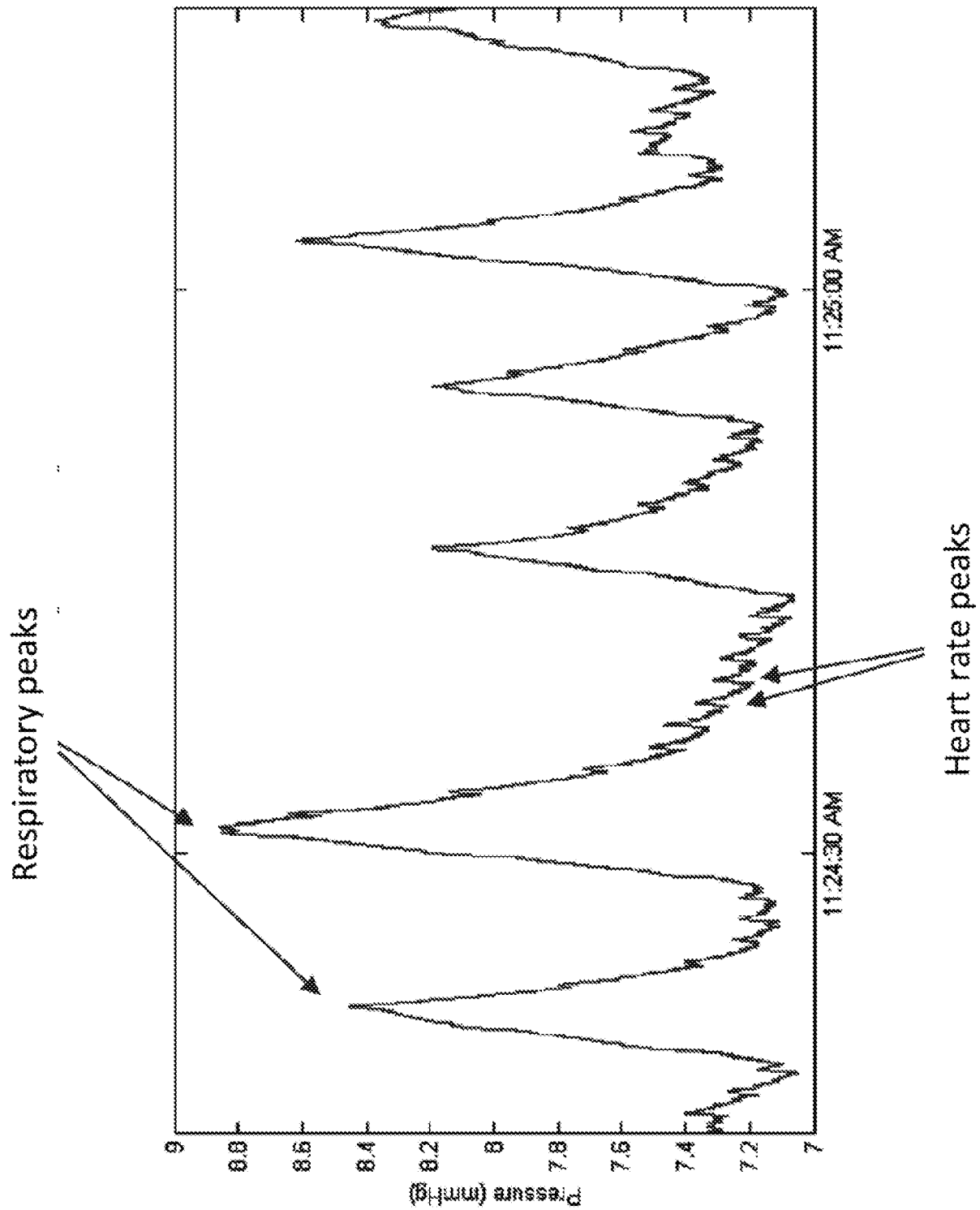


Fig. 3

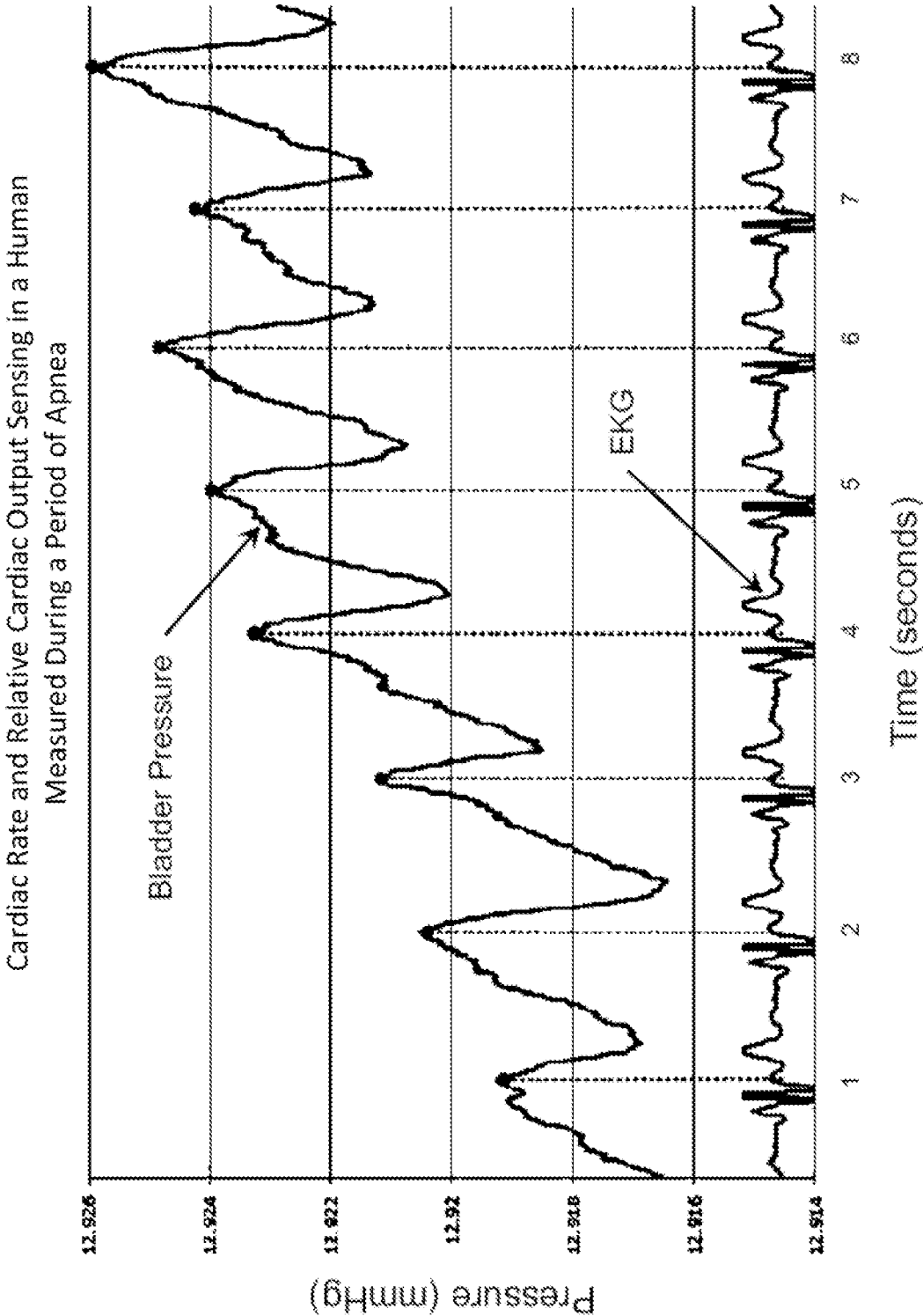


Fig. 4

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

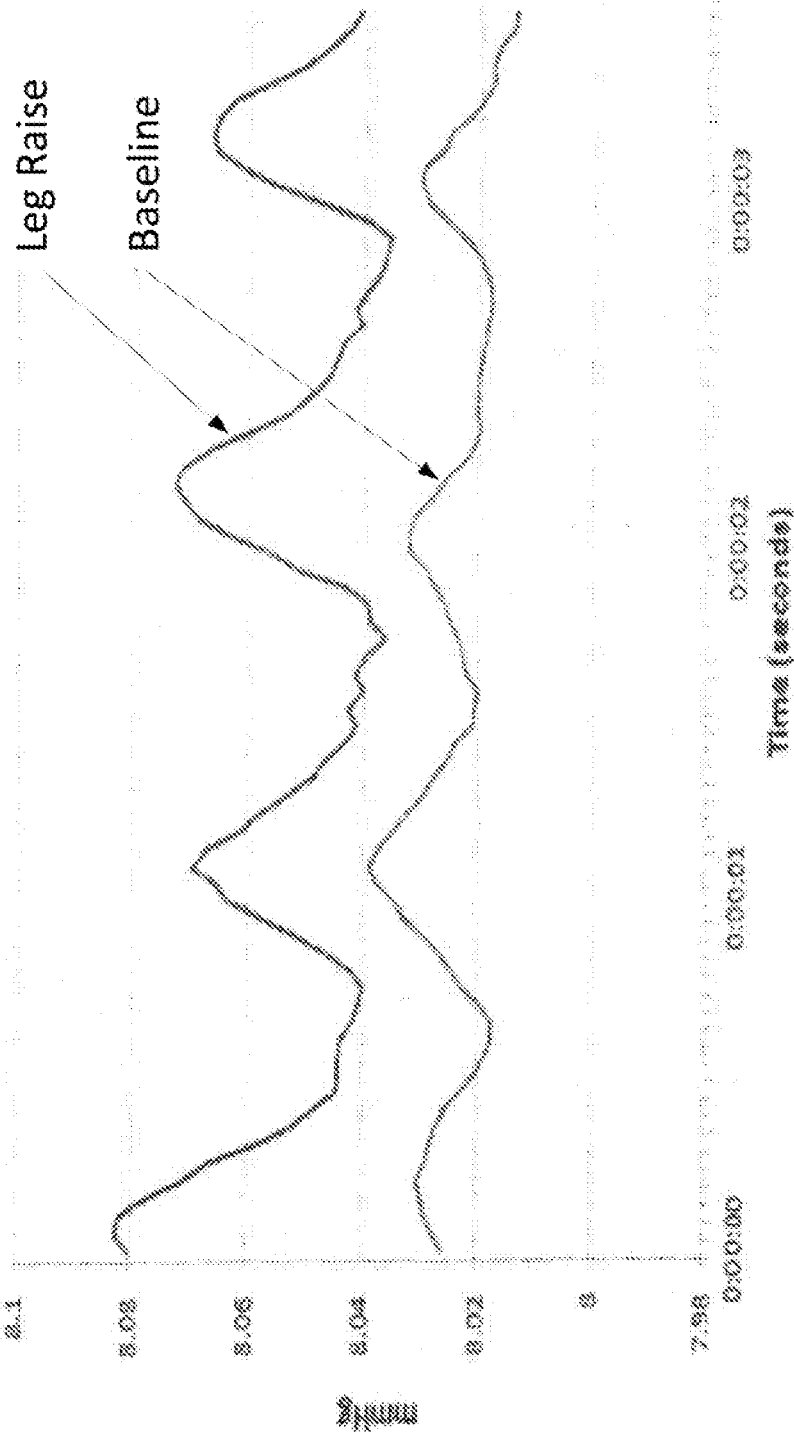


Fig. 5

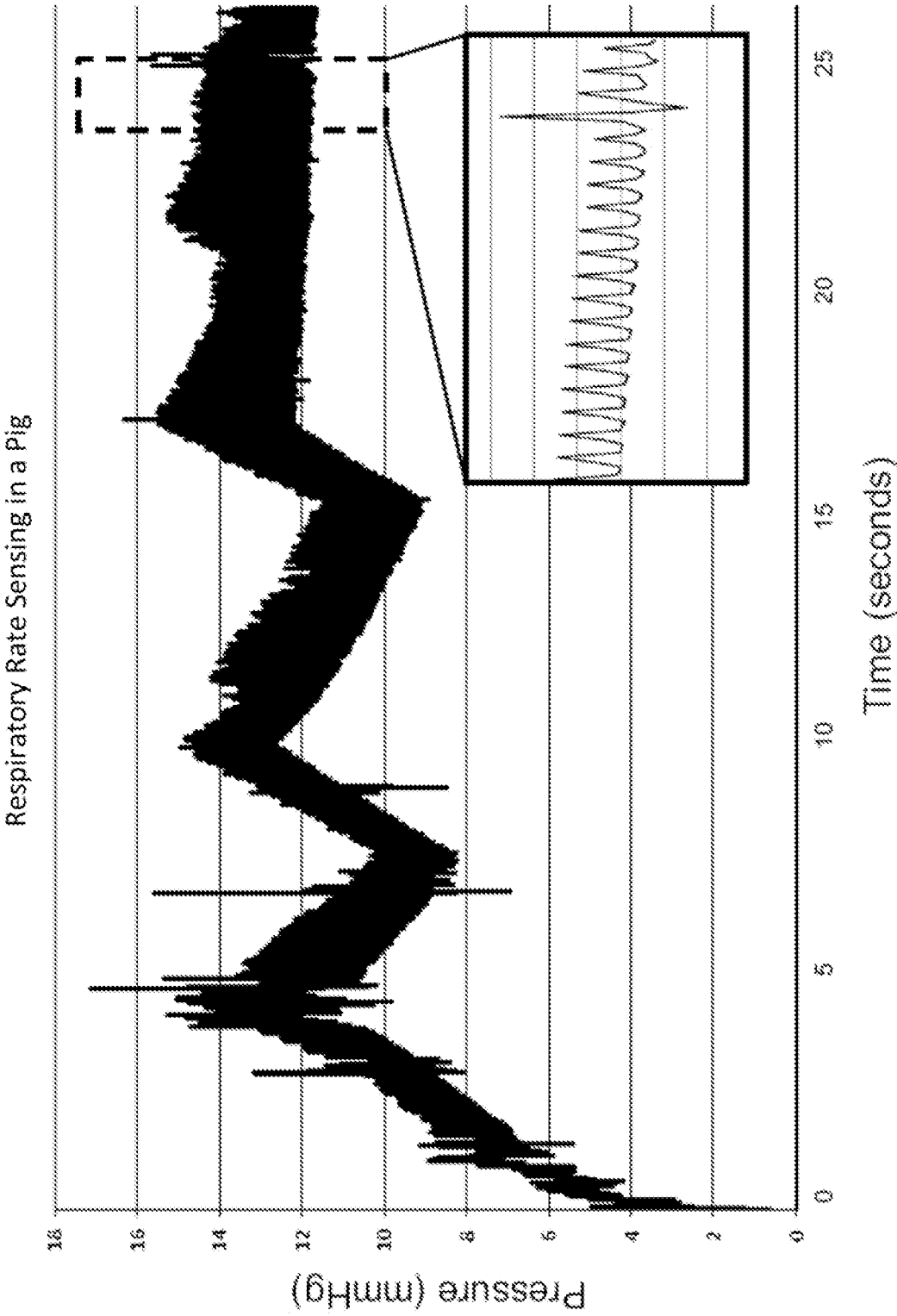


Fig. 6

Pig study demonstrating detection of an induced intraabdominal hypertension

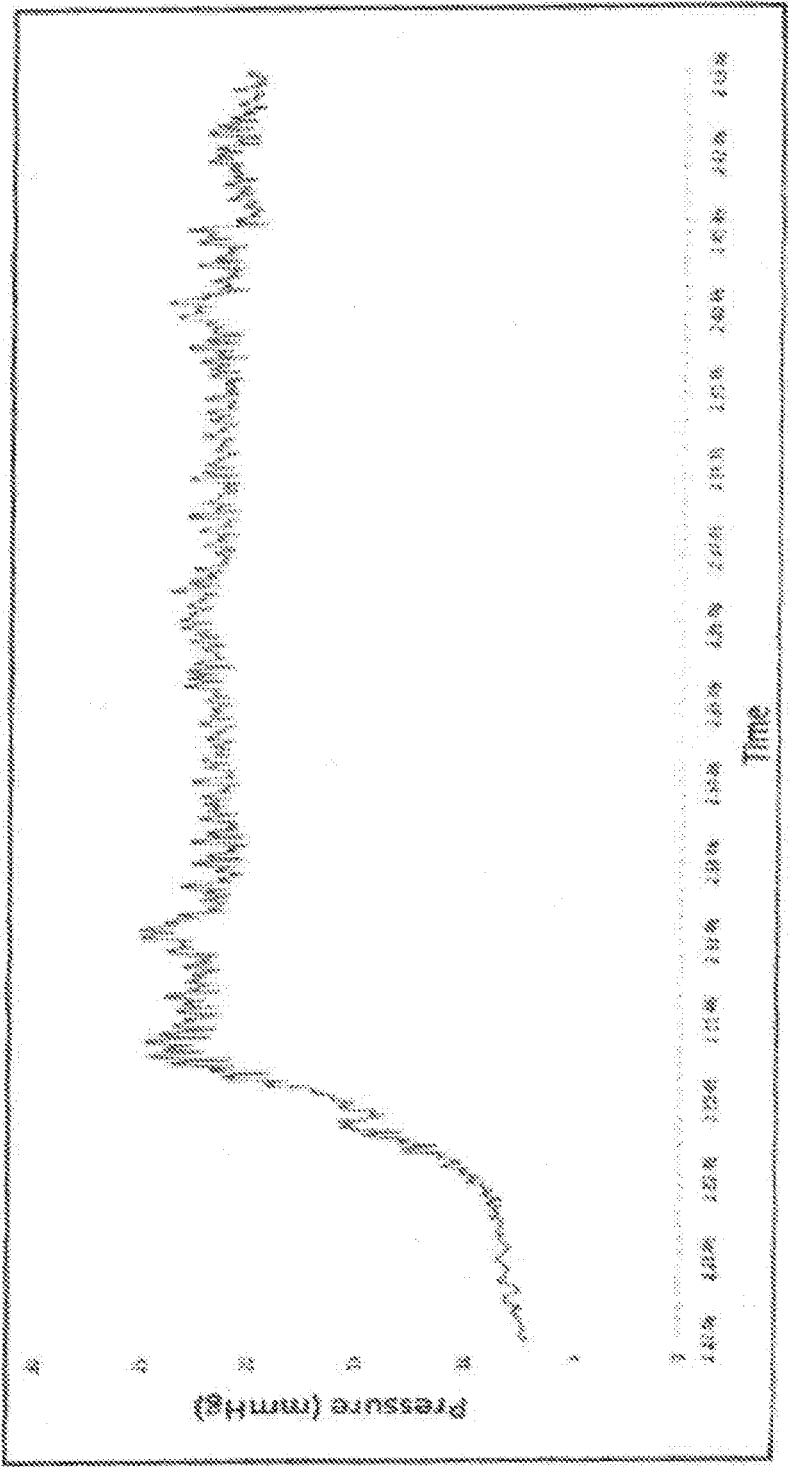


Fig. 7

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

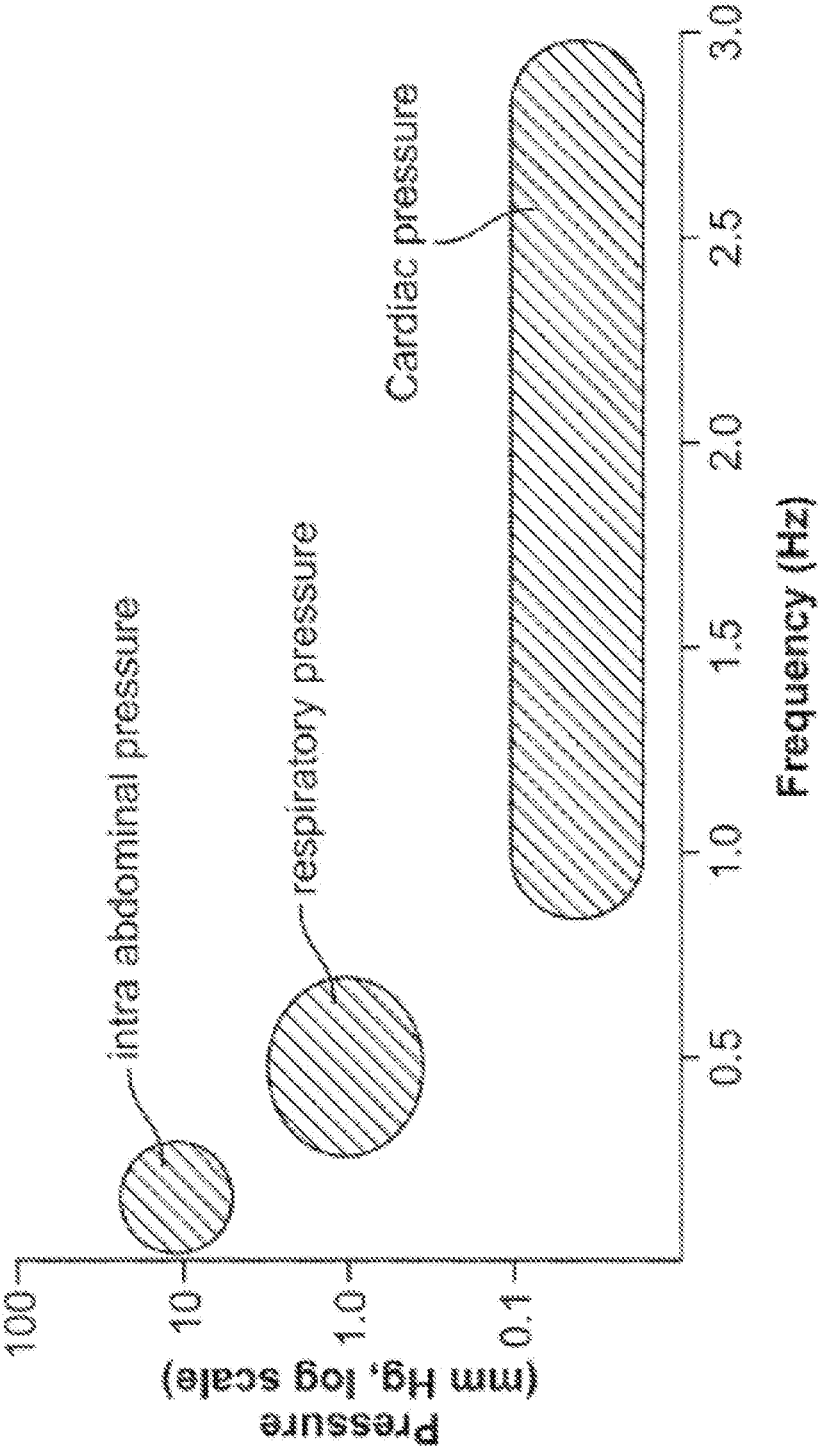


Fig. 8

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Method of Monitoring Pressure-based Physiologic Data

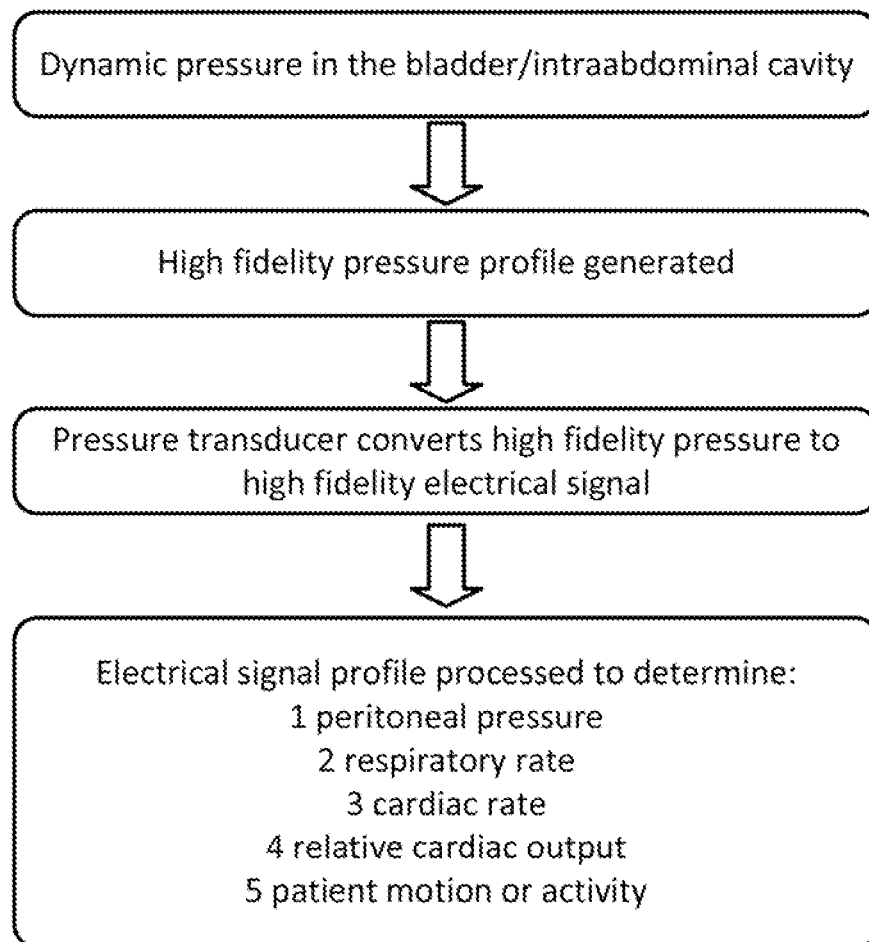


Fig. 9

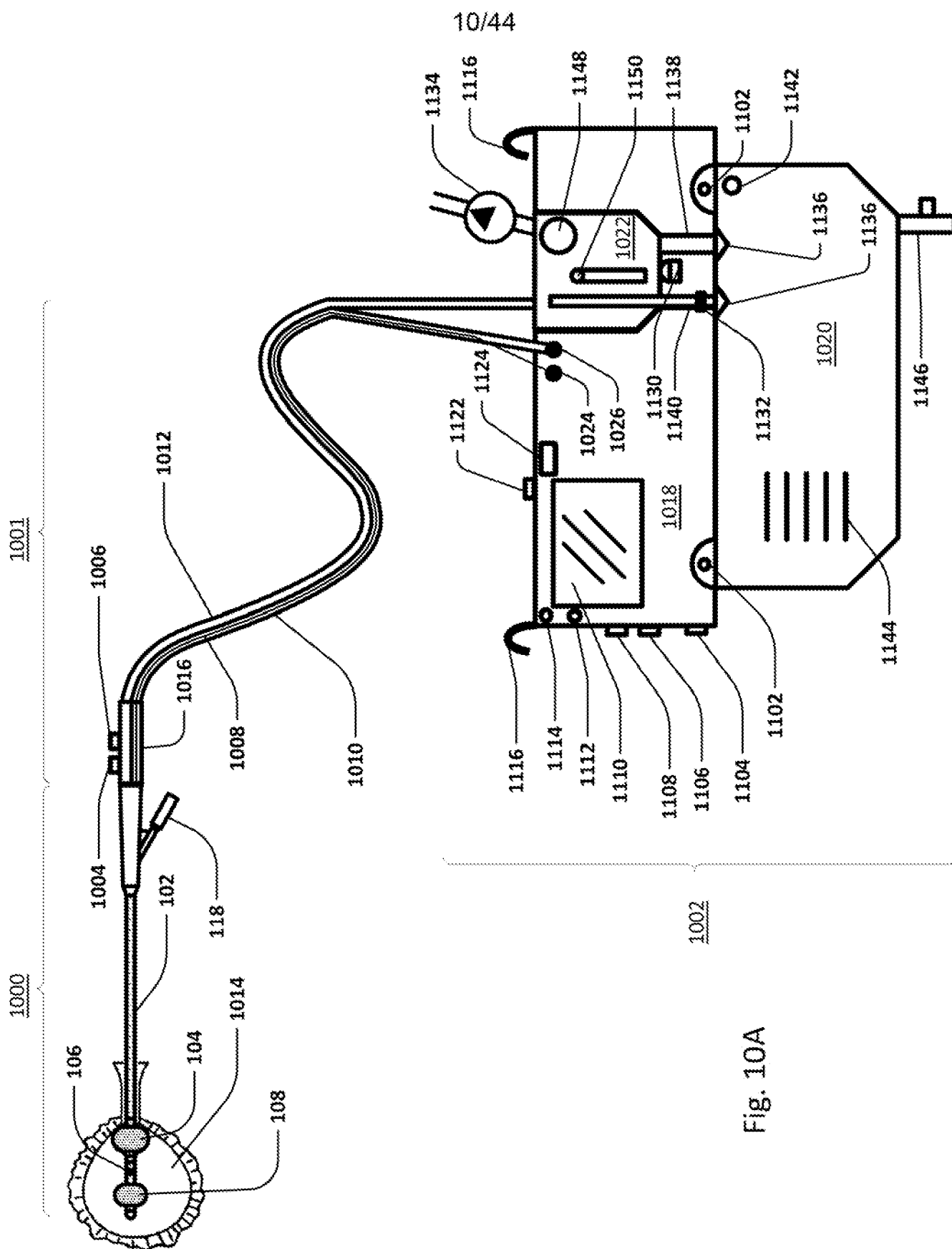


Fig. 10A

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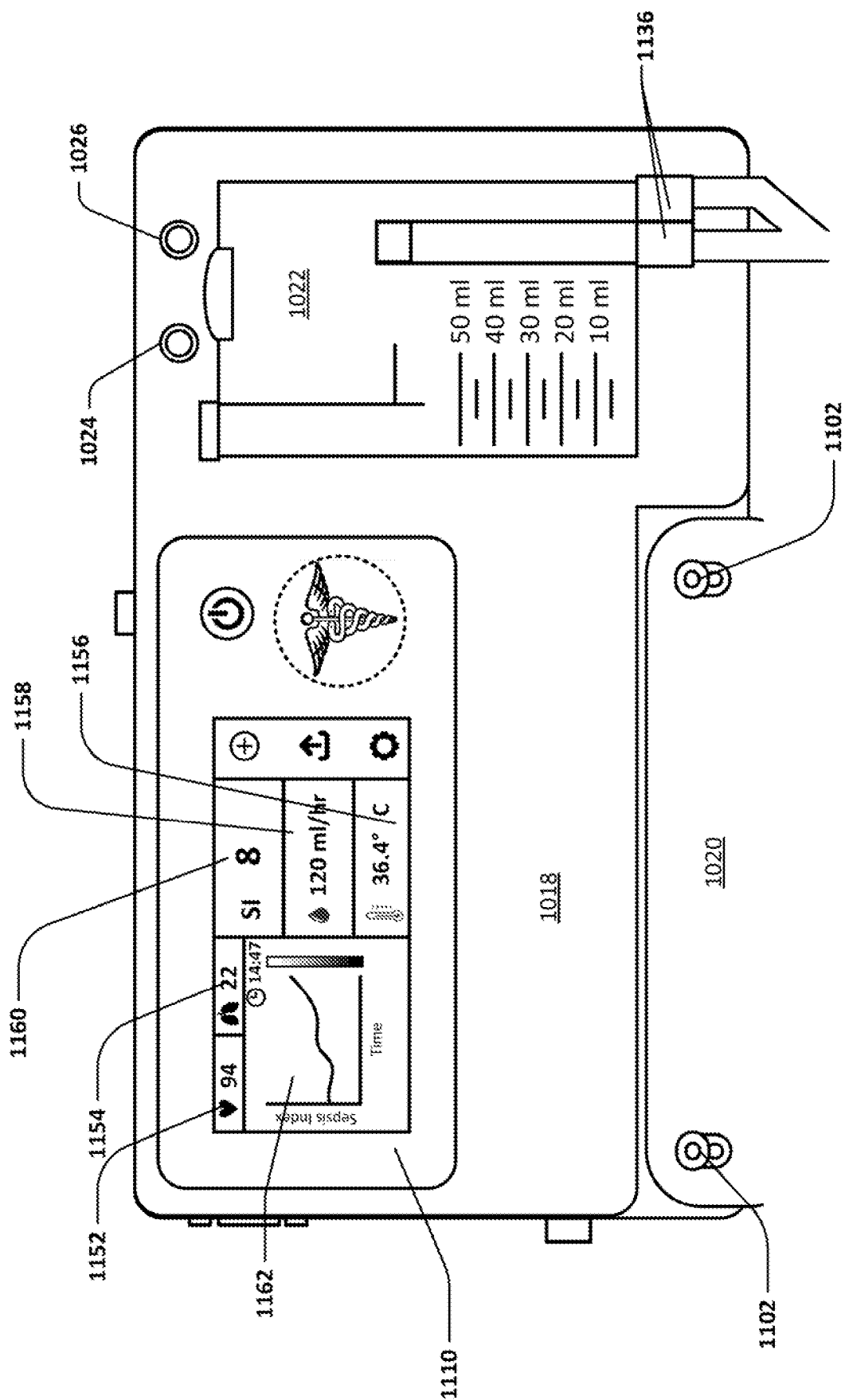
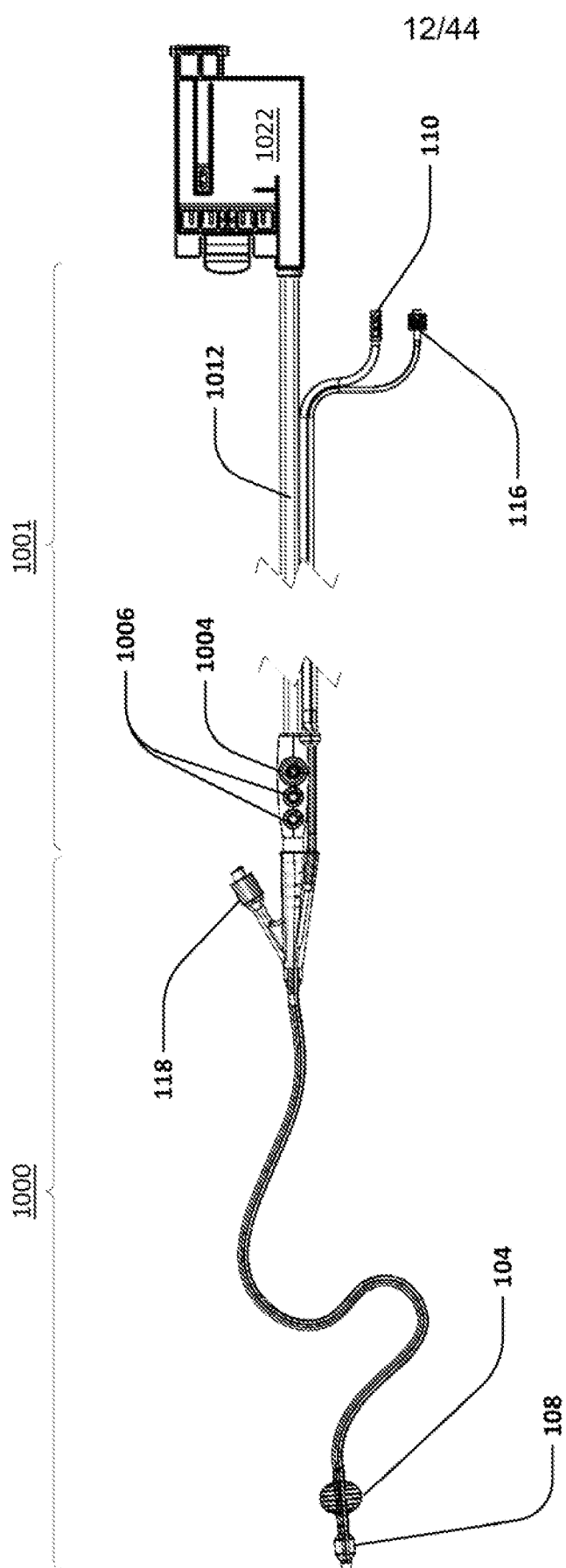


Fig. 10B



File 10C

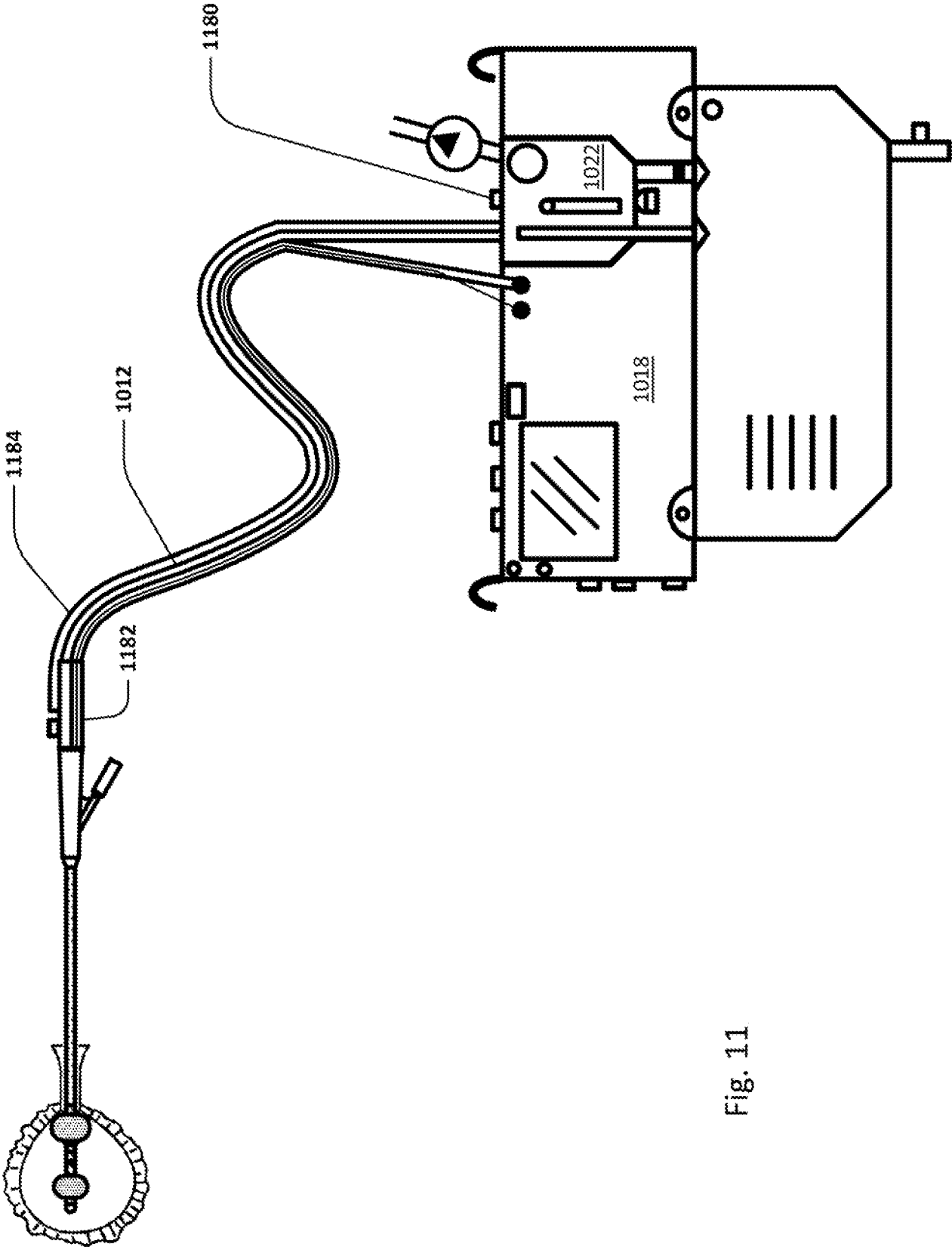


Fig. 11

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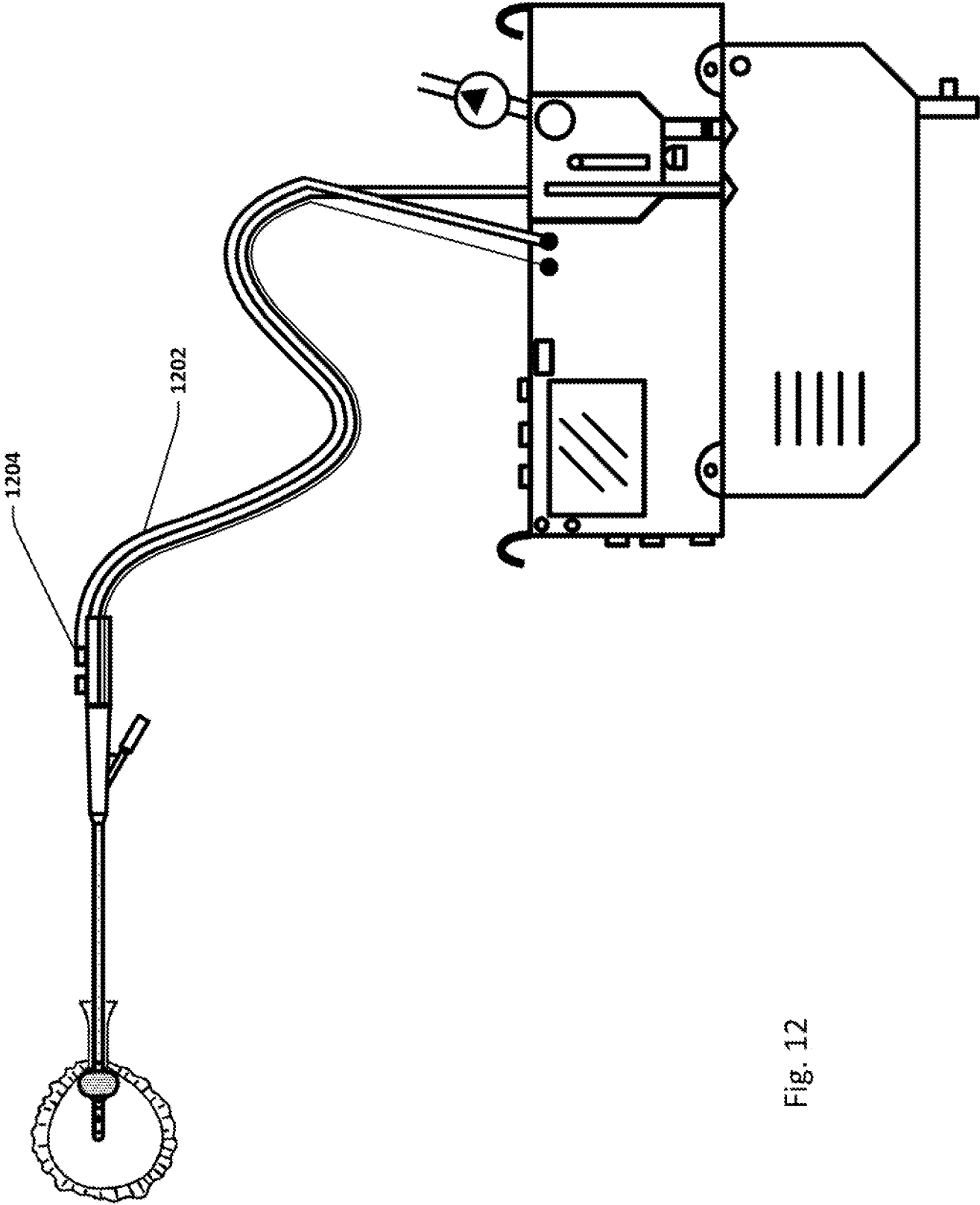


Fig. 12

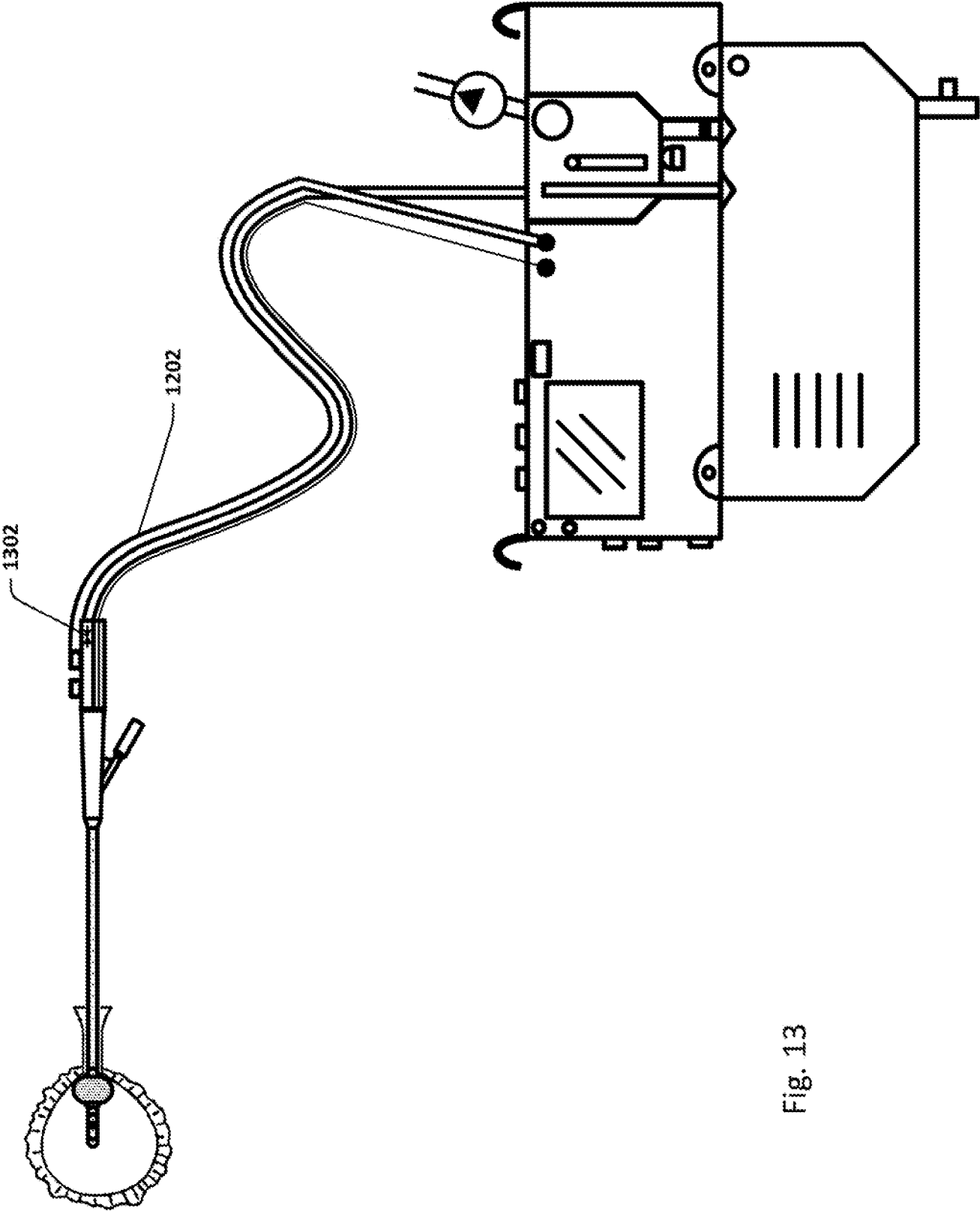


Fig. 13

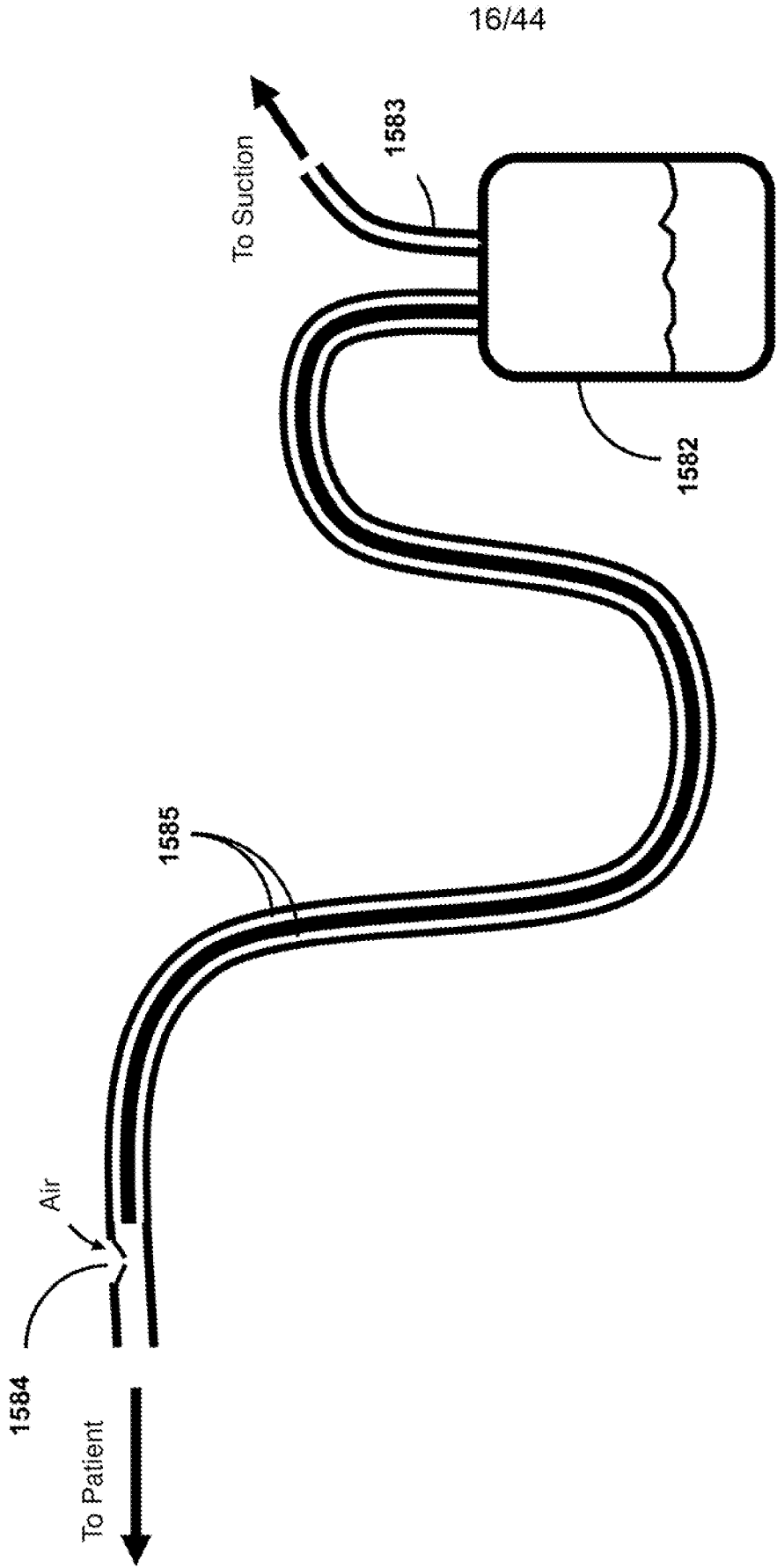


Fig. 15

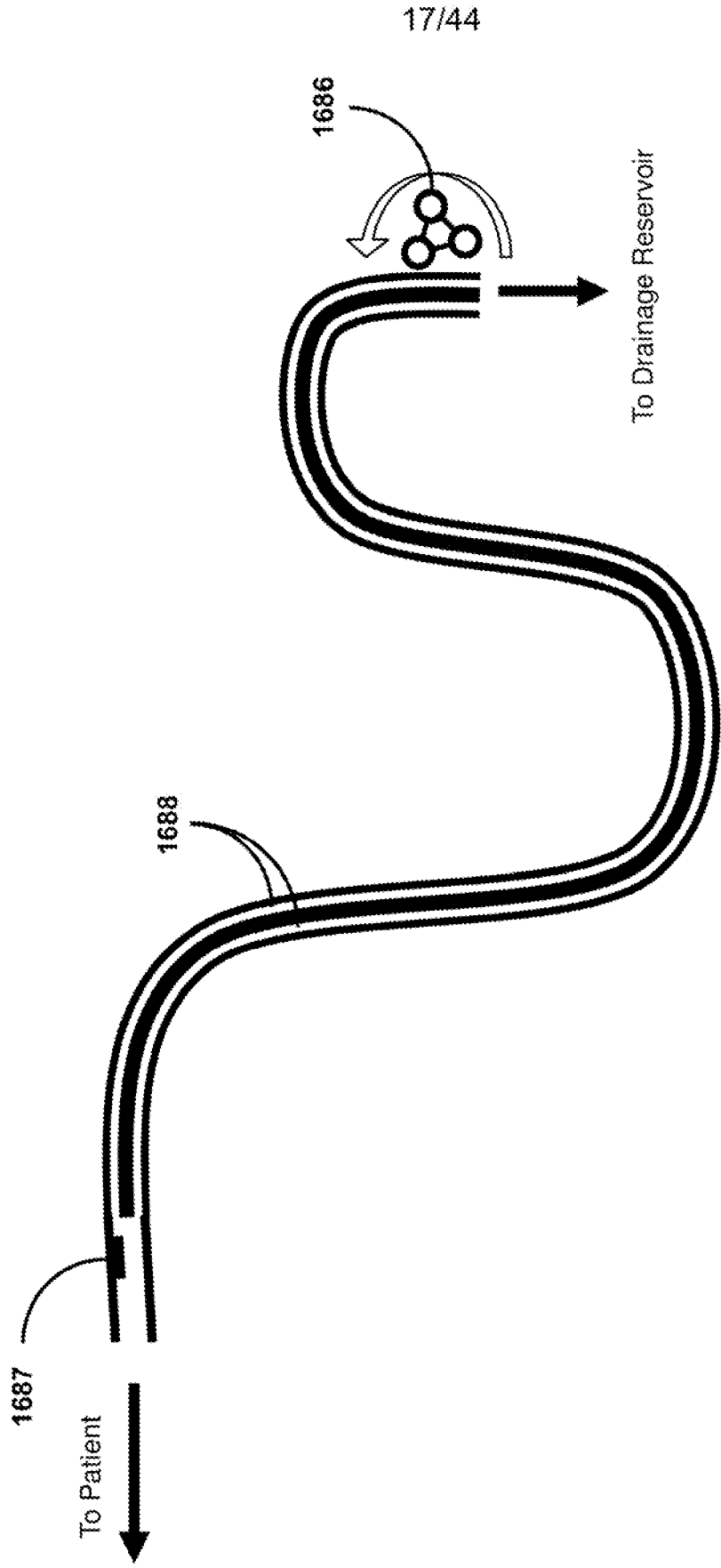


Fig. 16

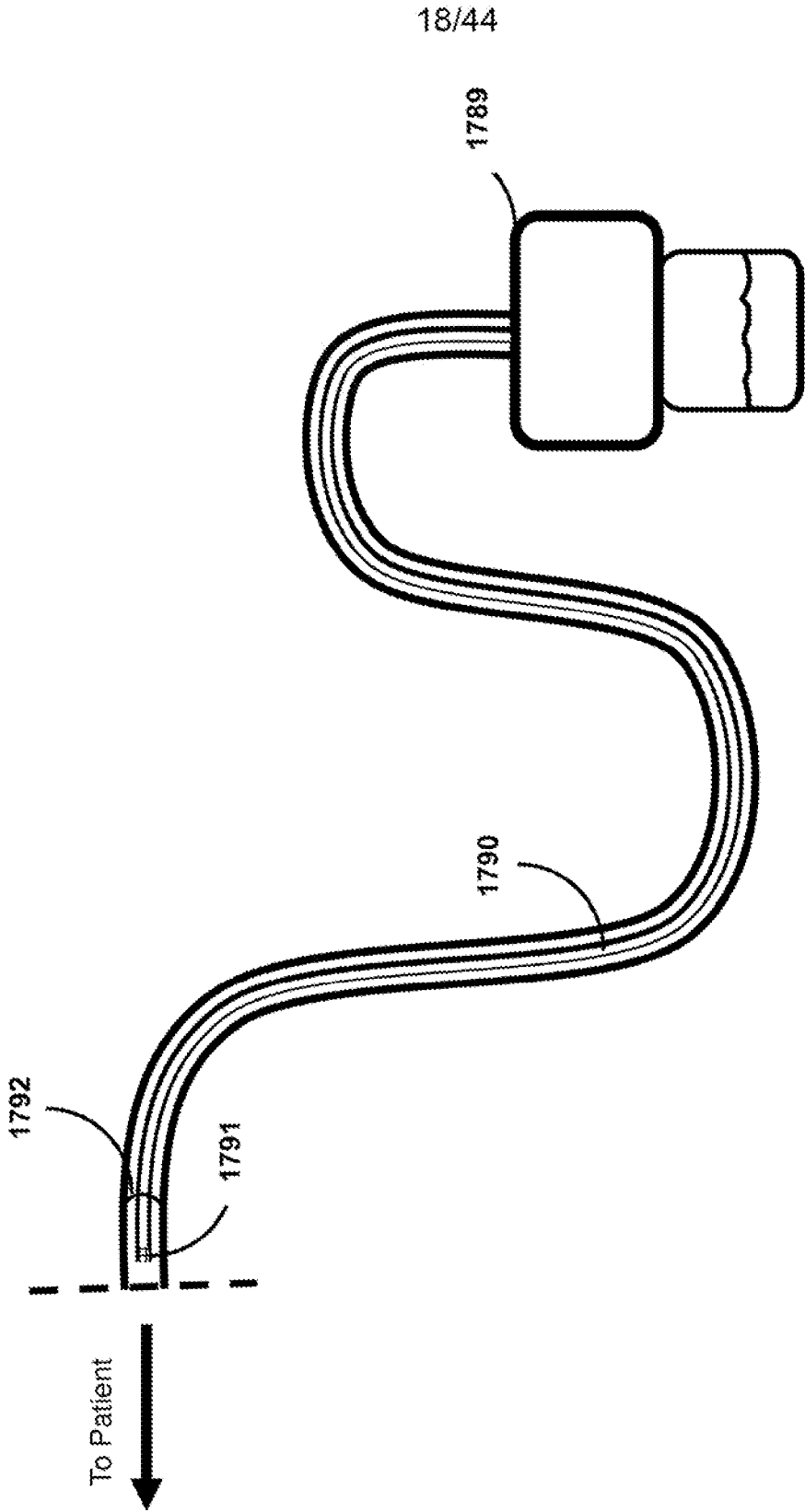


Fig. 17

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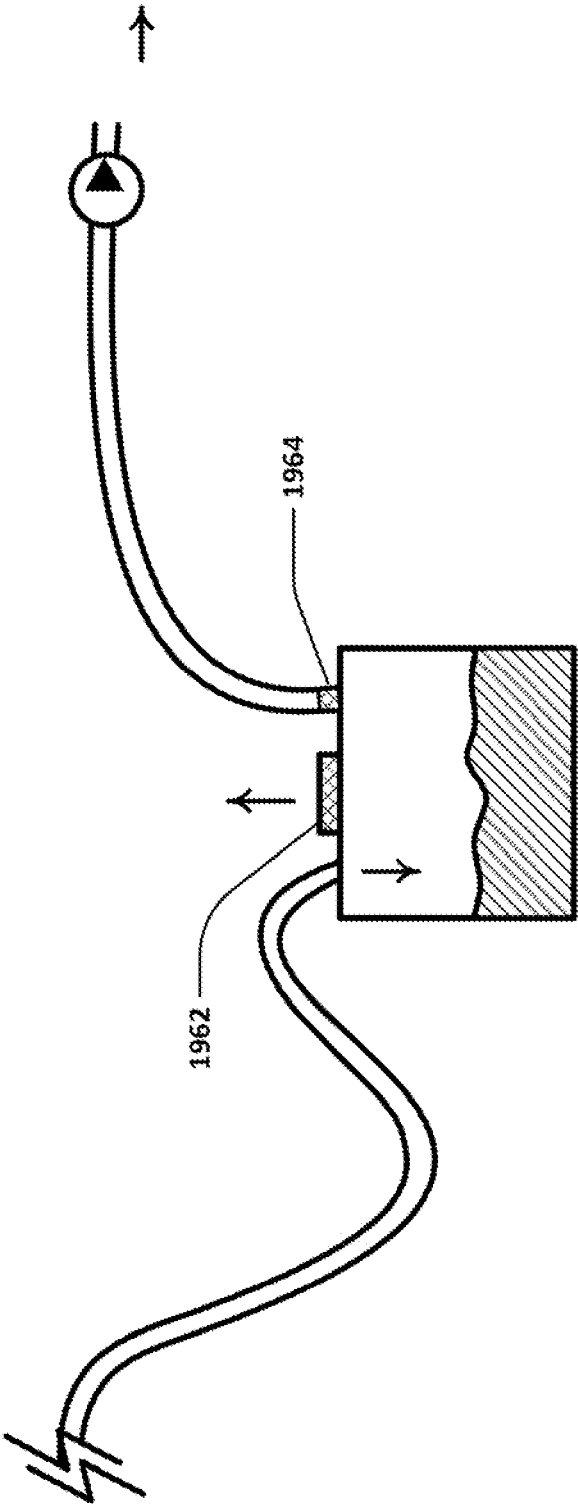


Fig. 19

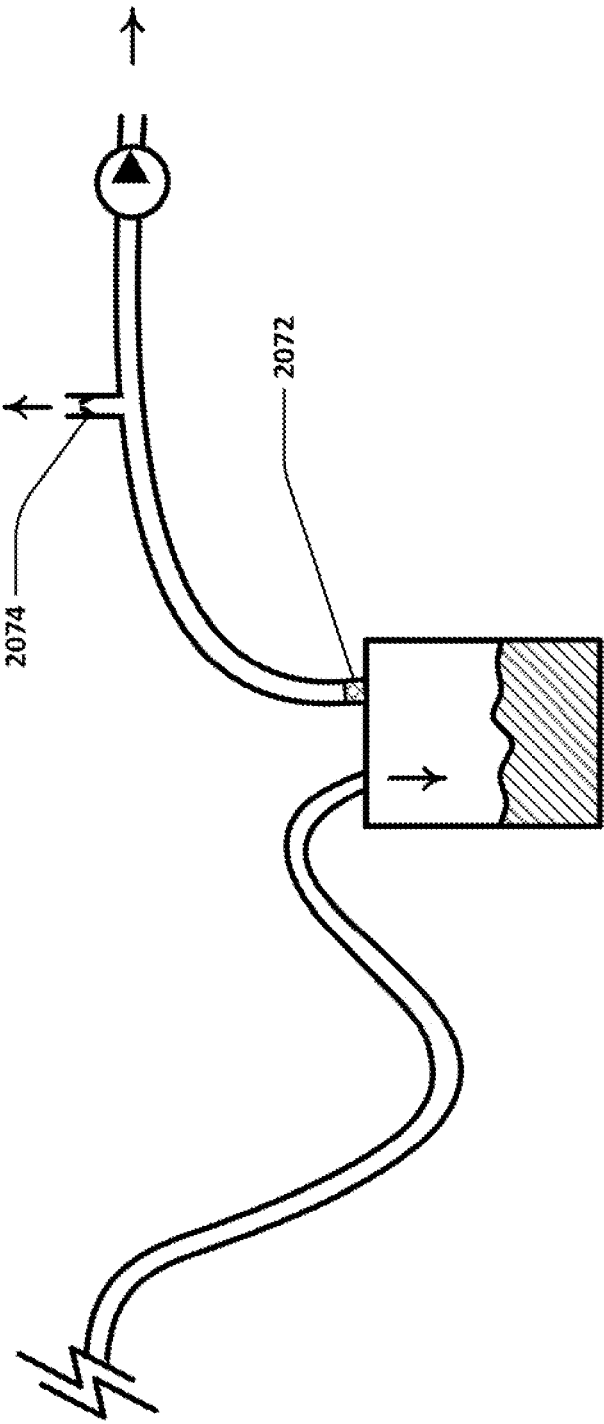


Fig. 20

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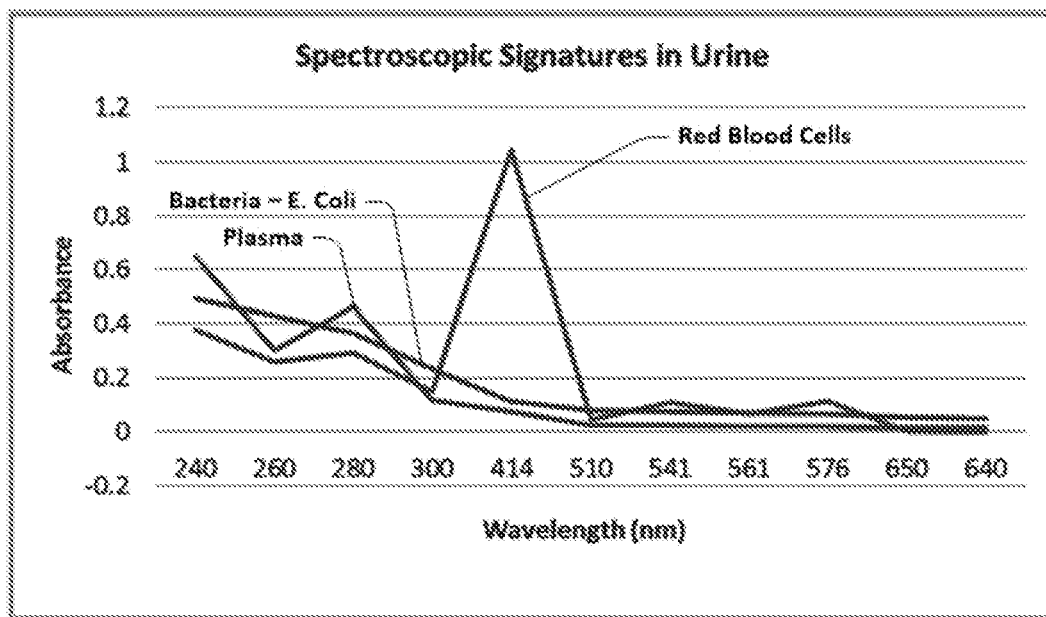
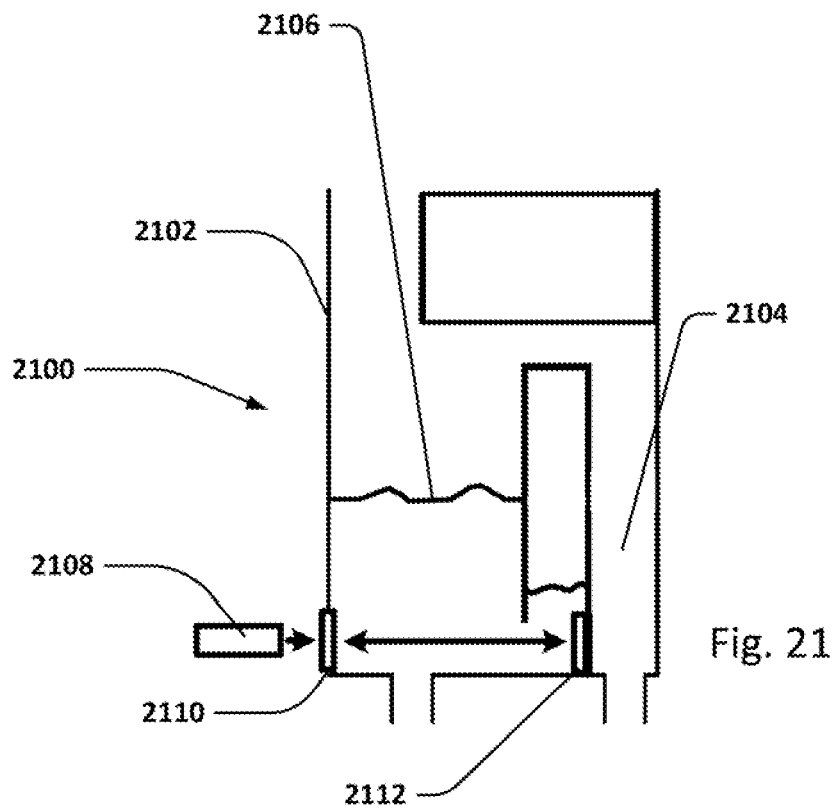


Fig. 22

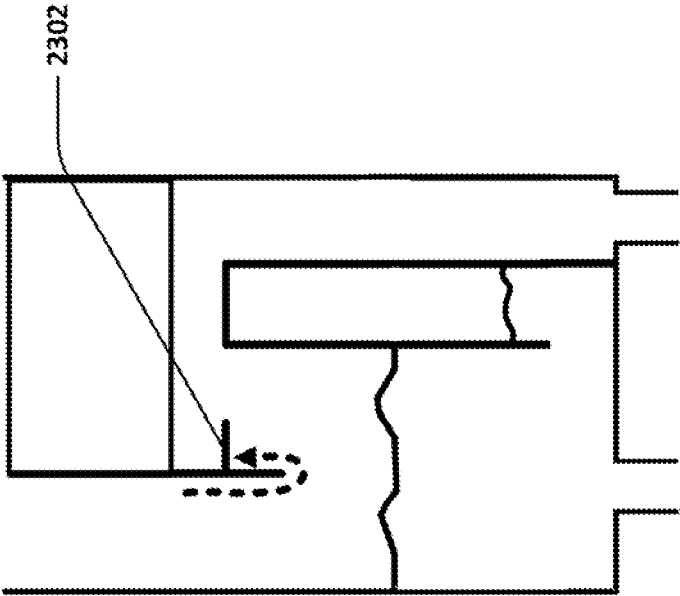


Fig. 23

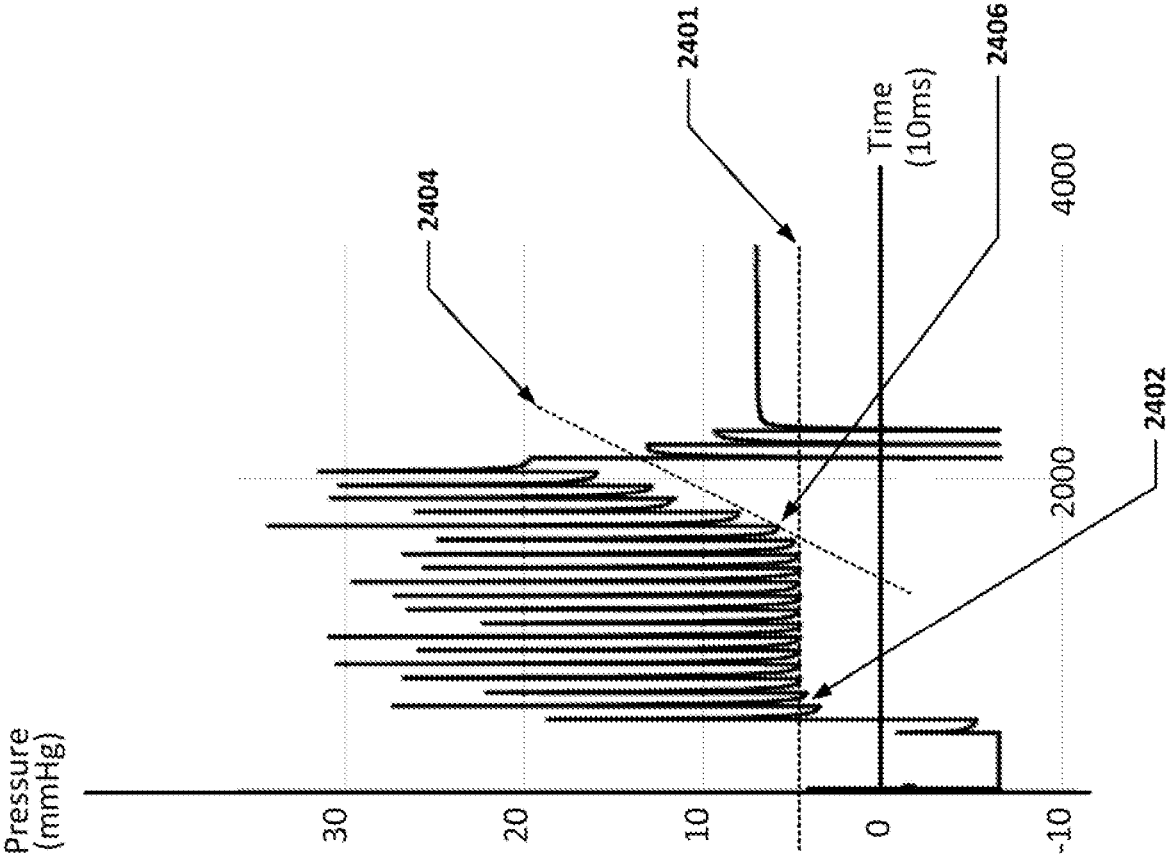


Fig. 24

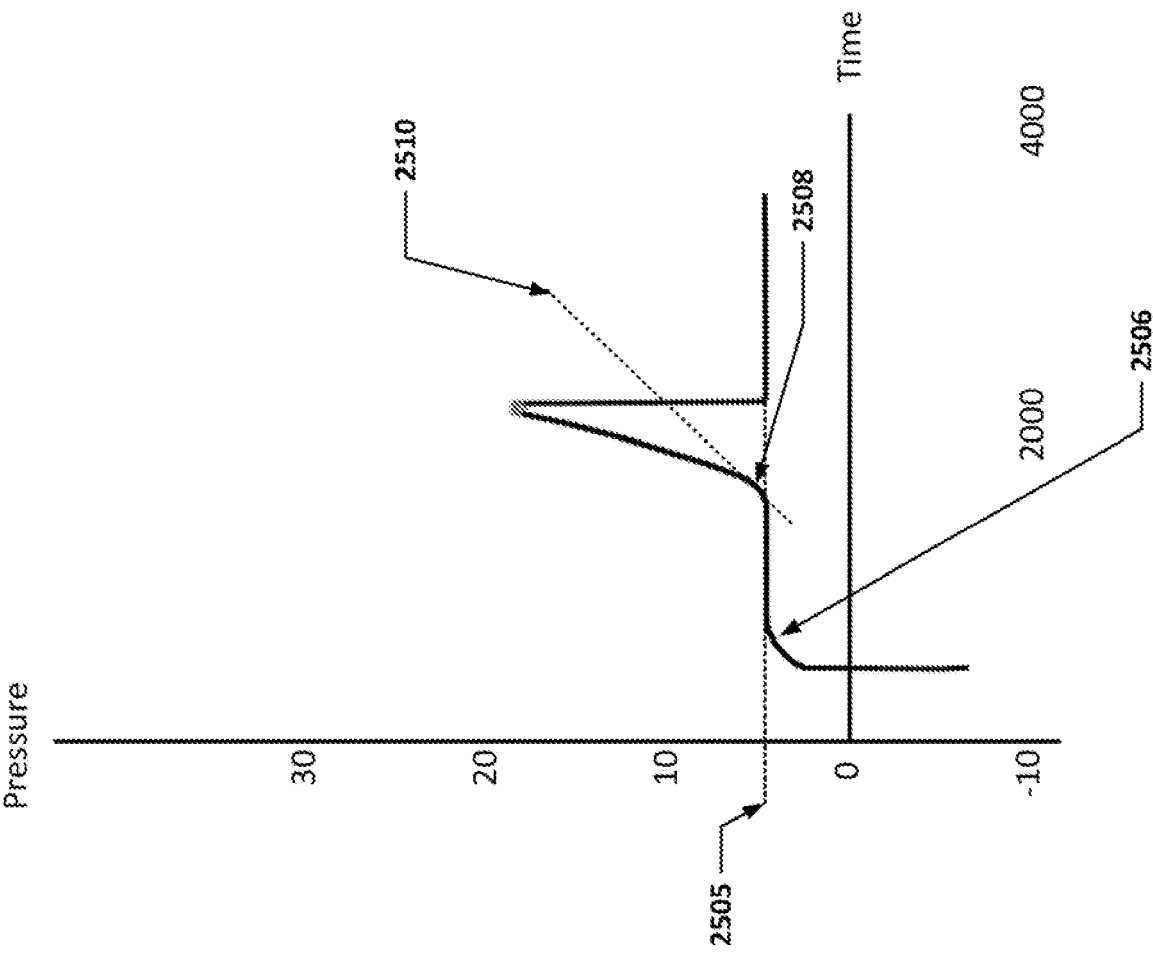


Fig. 25

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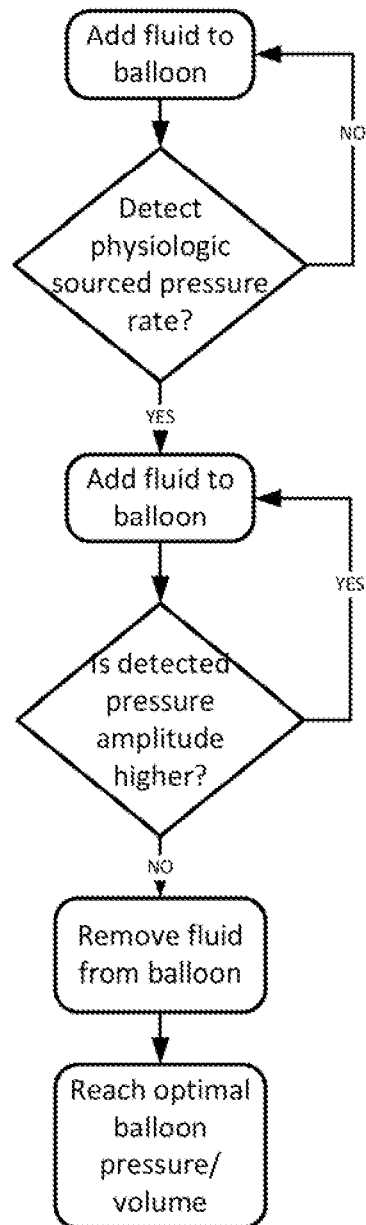


Fig. 26

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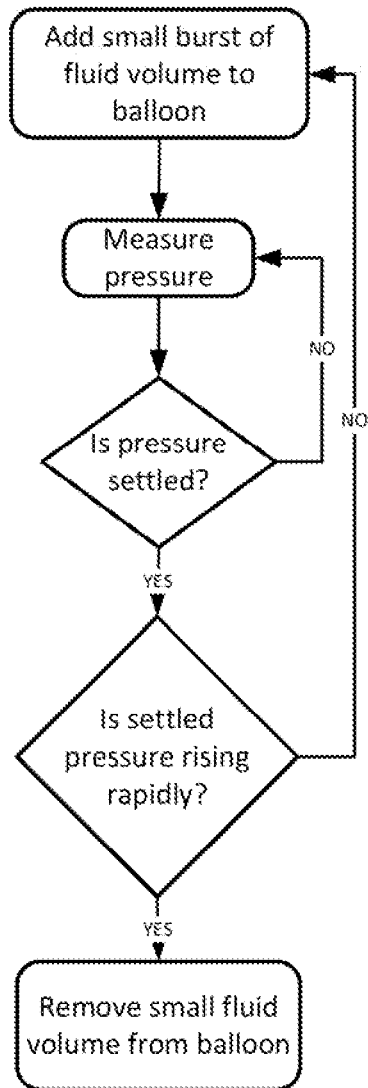


Fig. 27

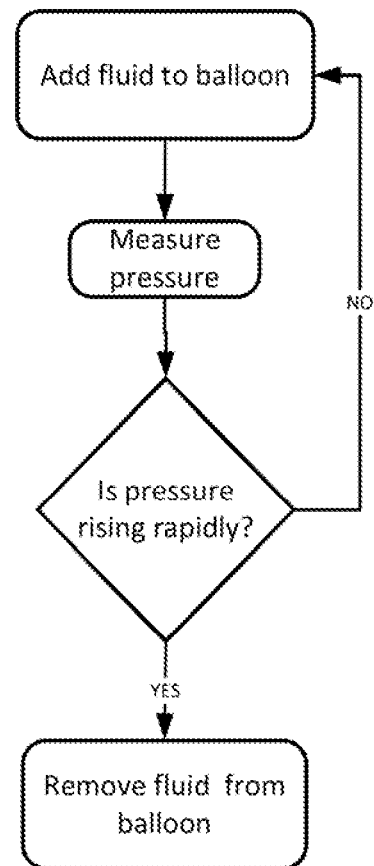


Fig. 28

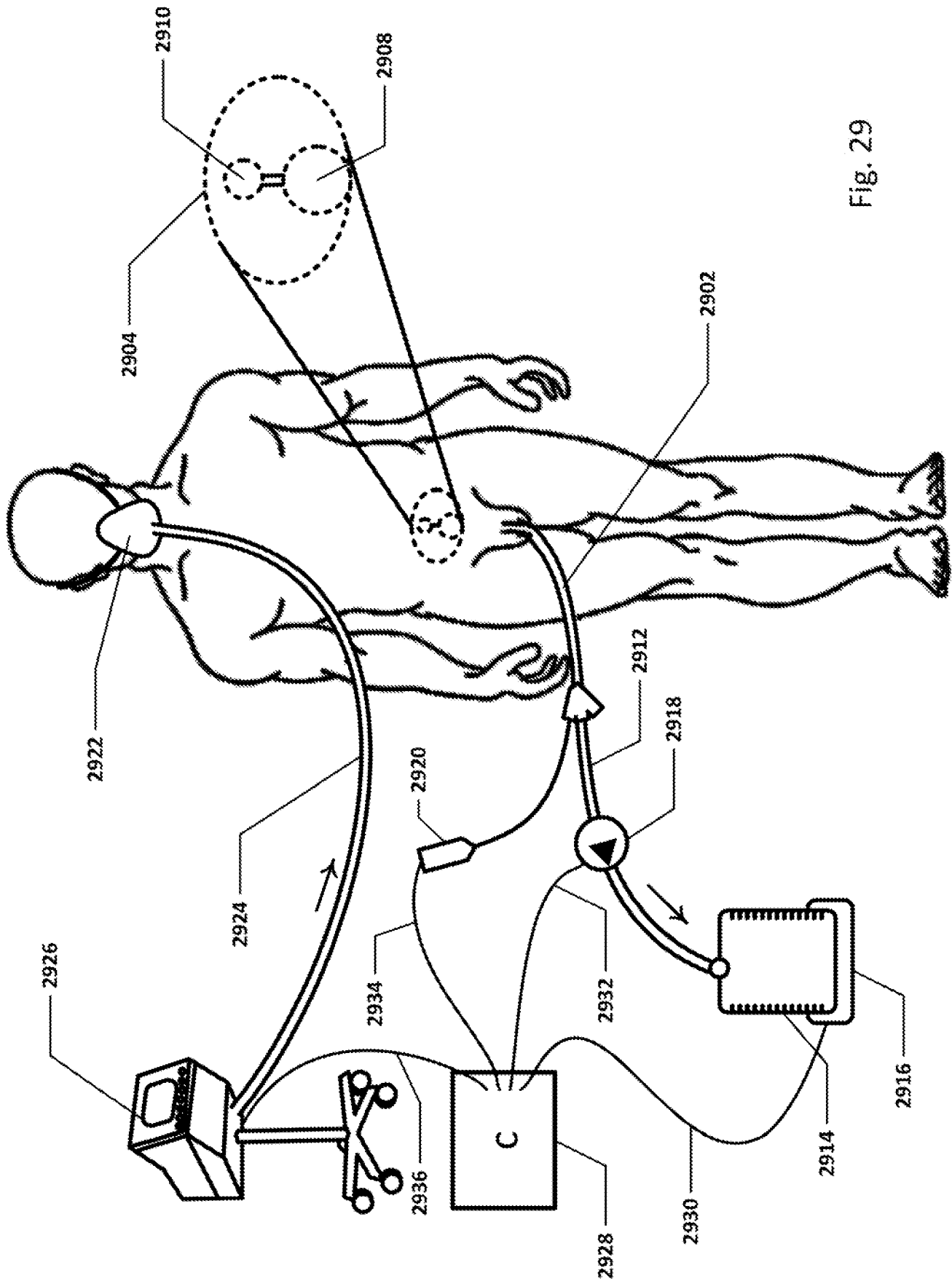
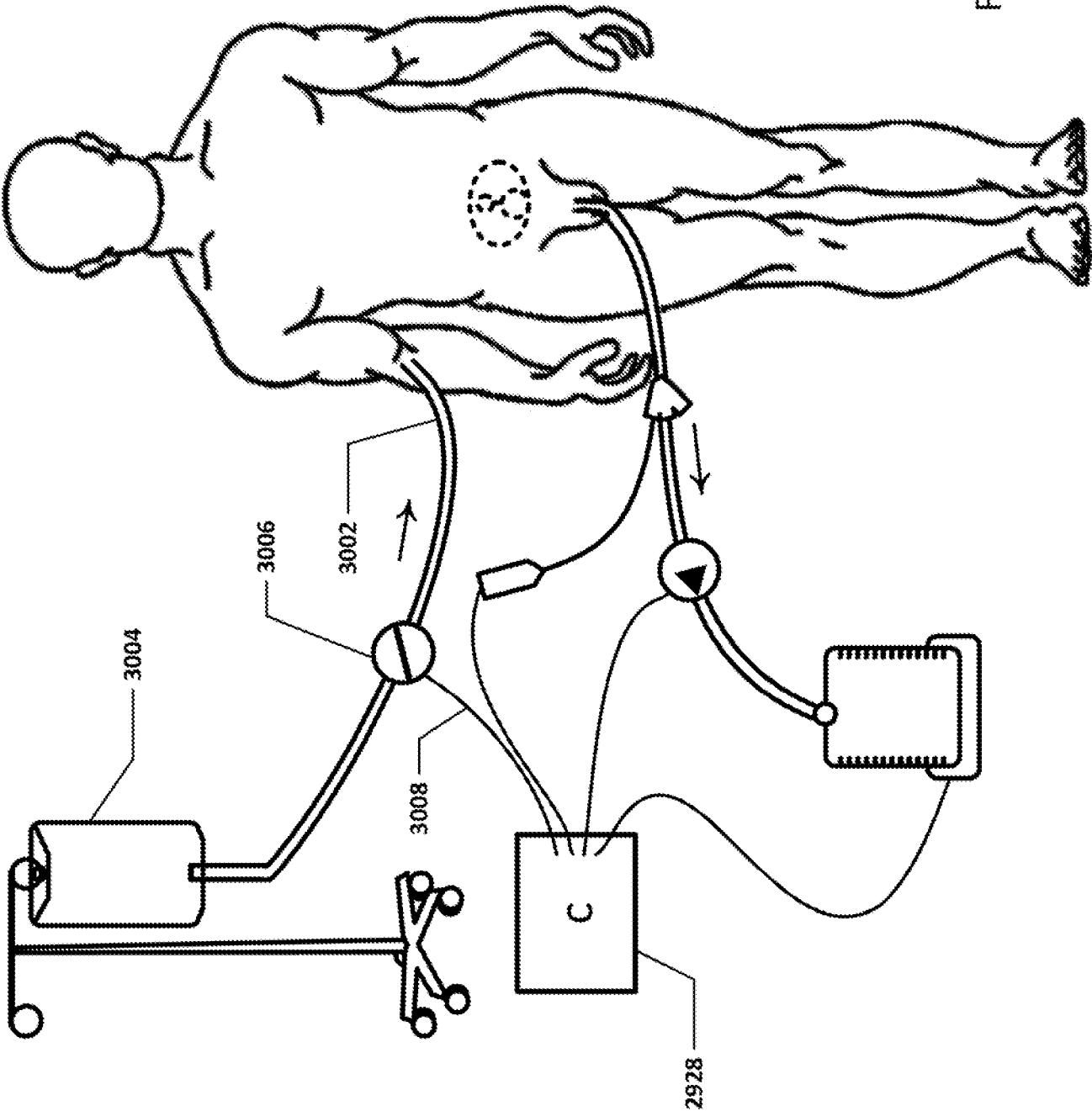


Fig. 30



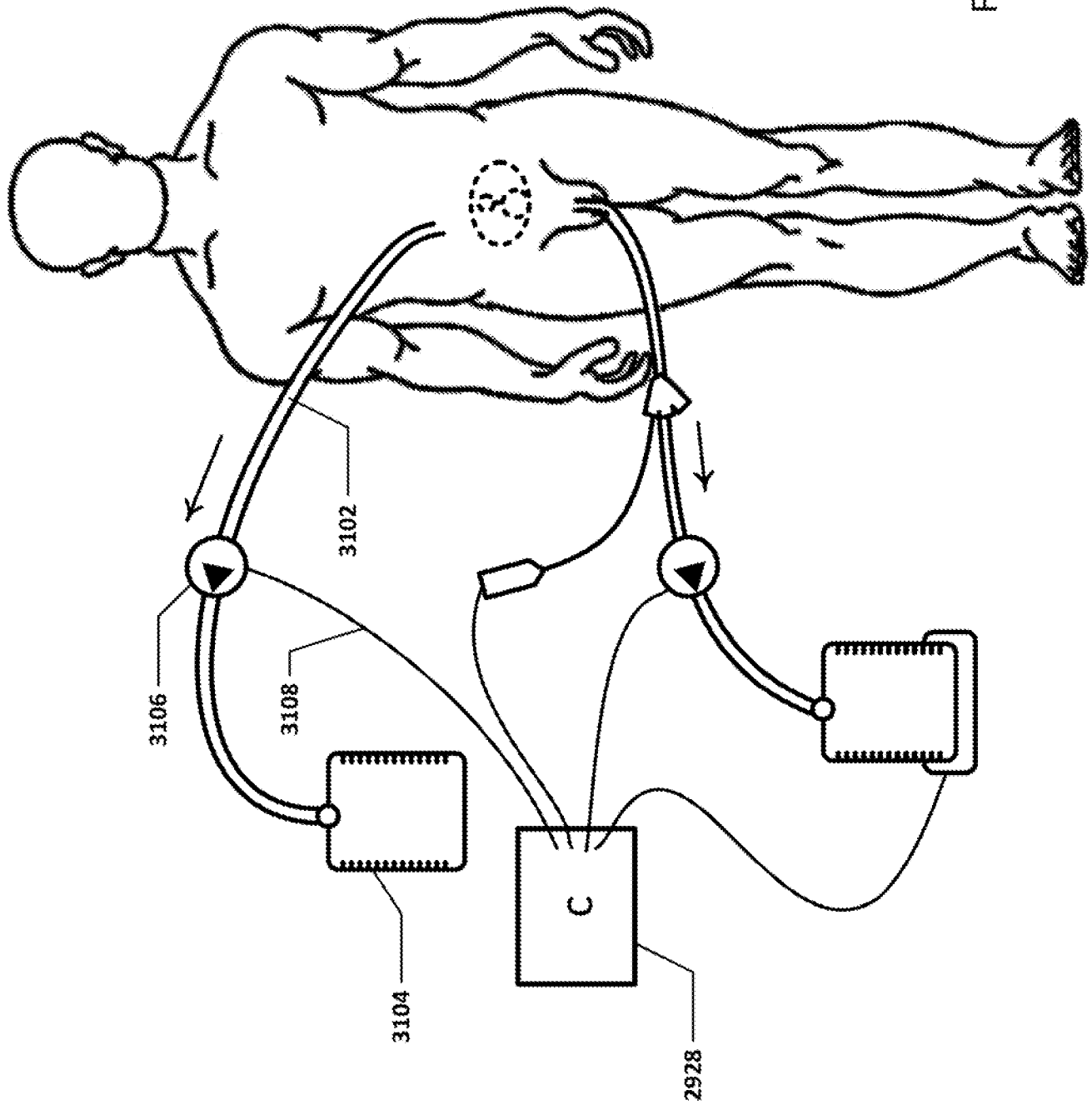
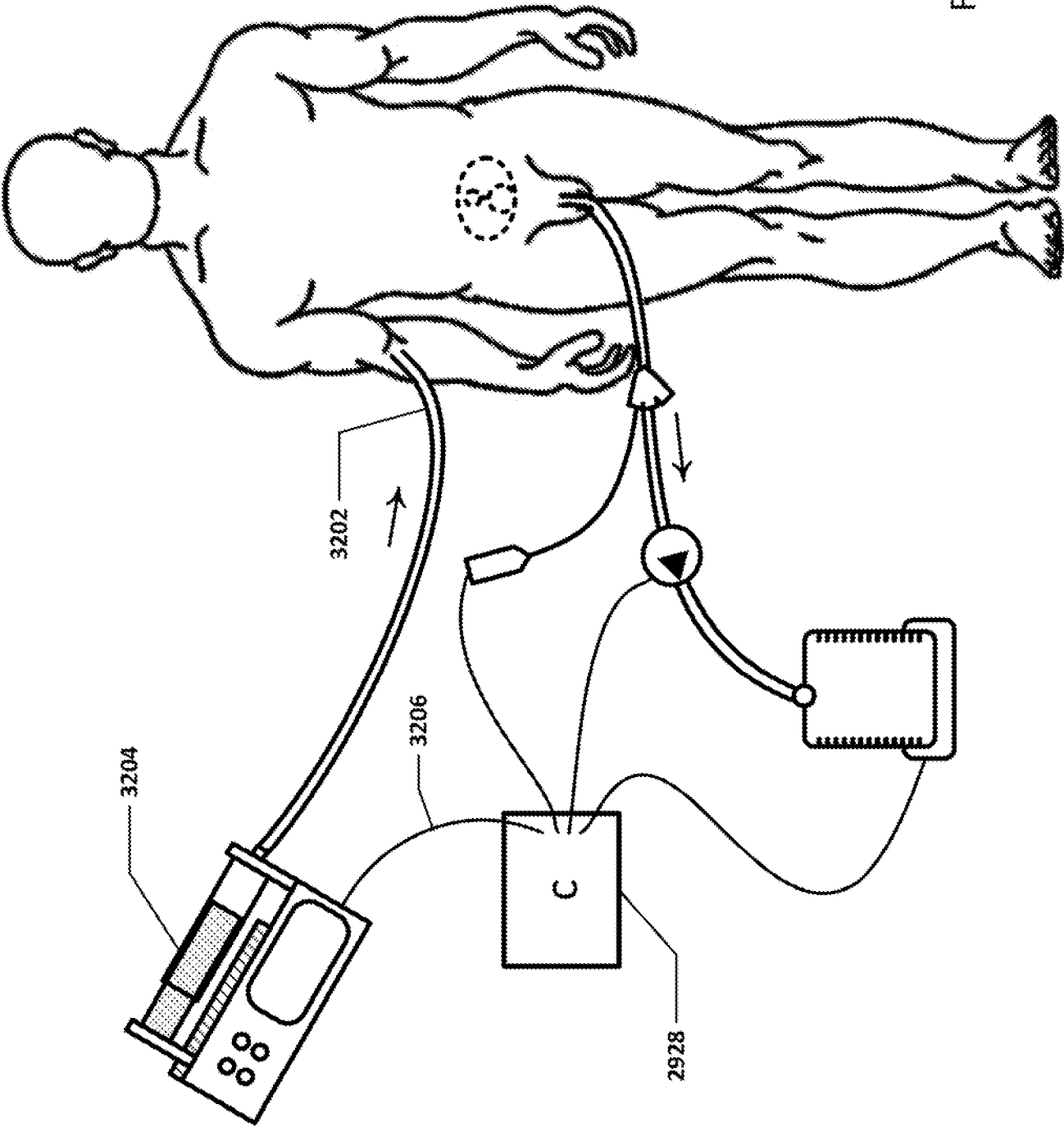


Fig. 31

Fig. 32



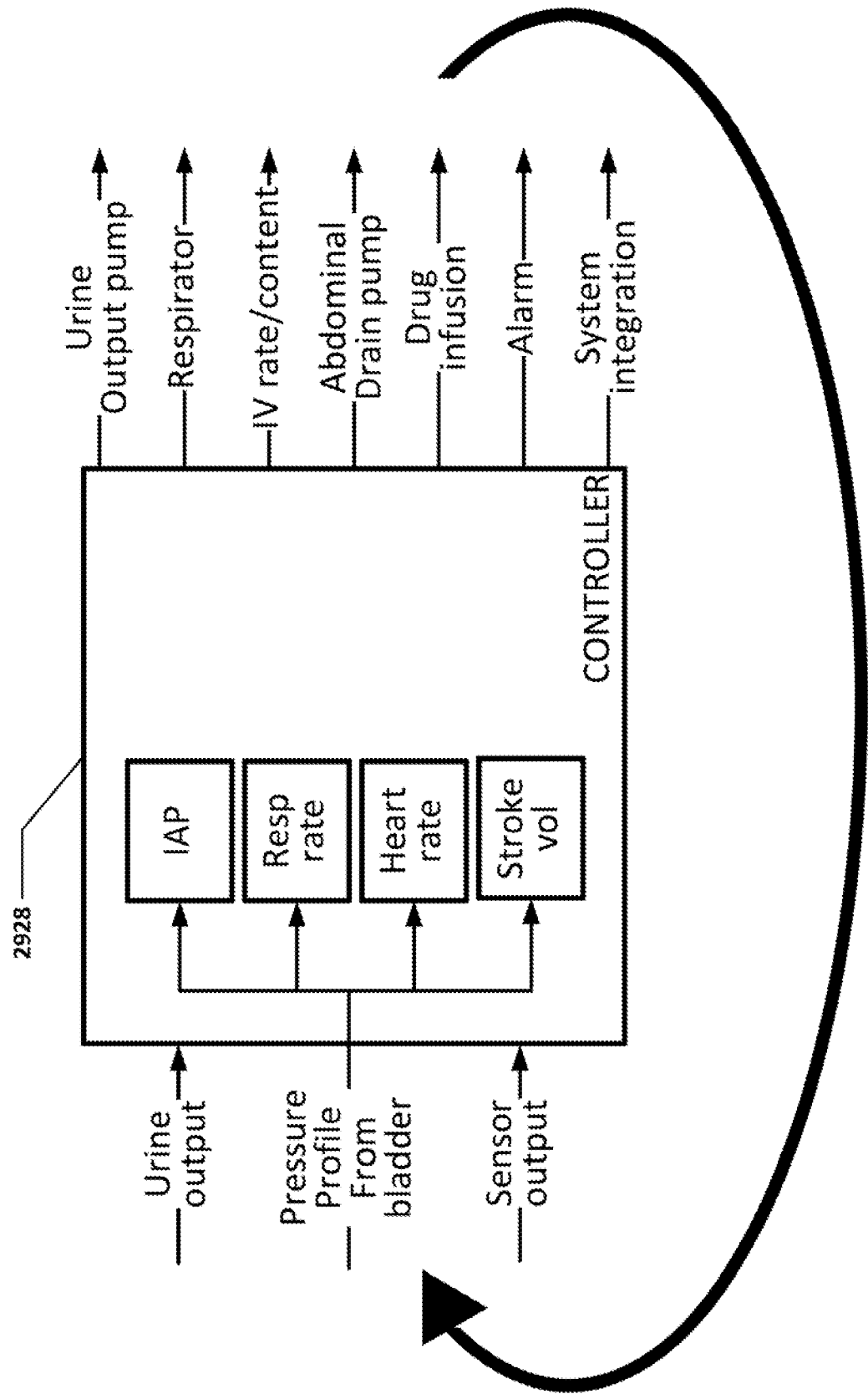


Fig. 33

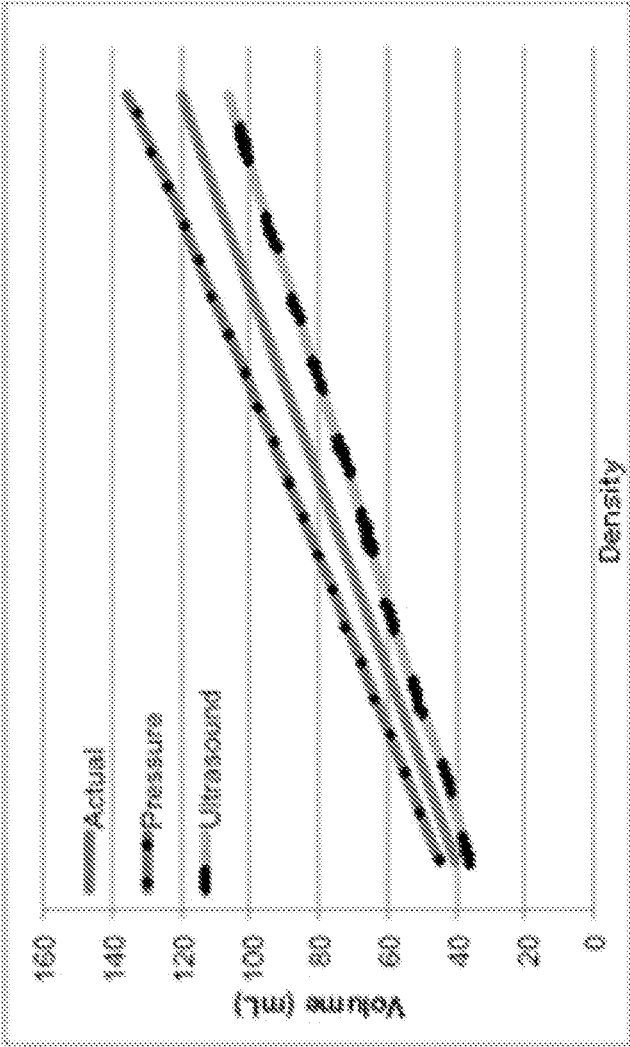
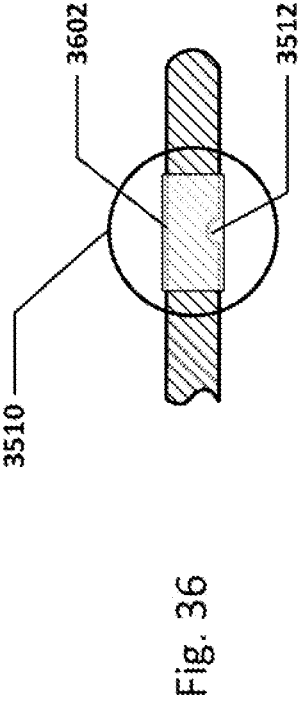
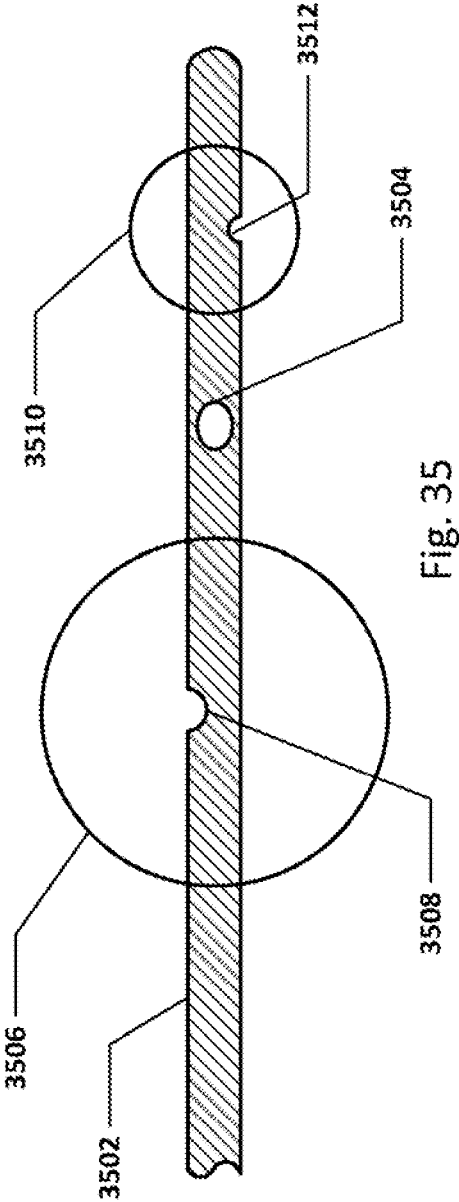


Fig. 34



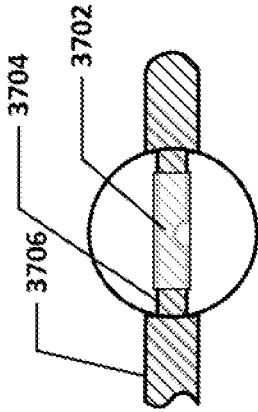


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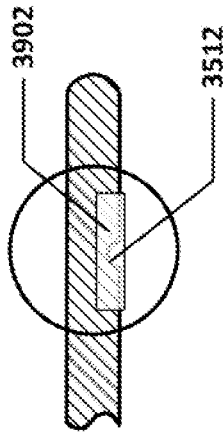


Fig. 39

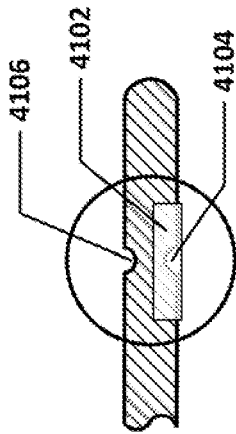


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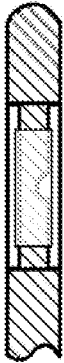


Fig. 38

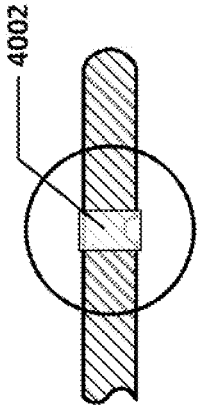


Fig. 40

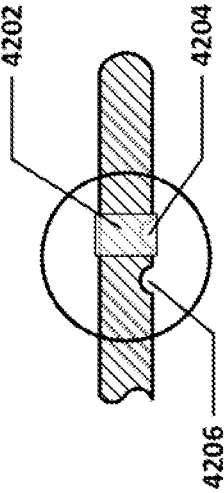


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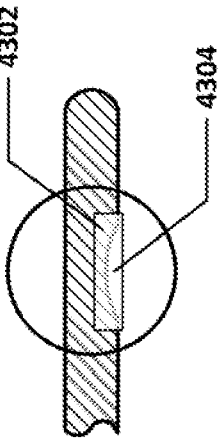


Fig. 43

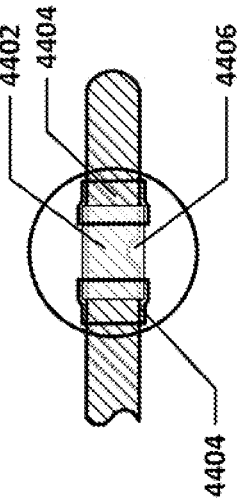


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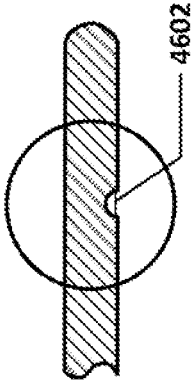


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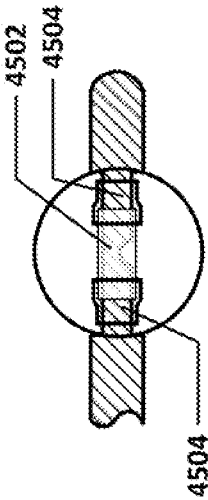


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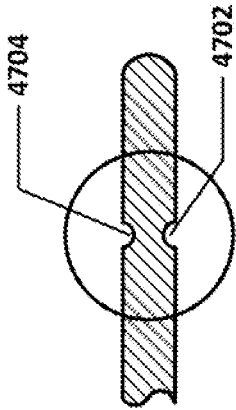


Fig. 47

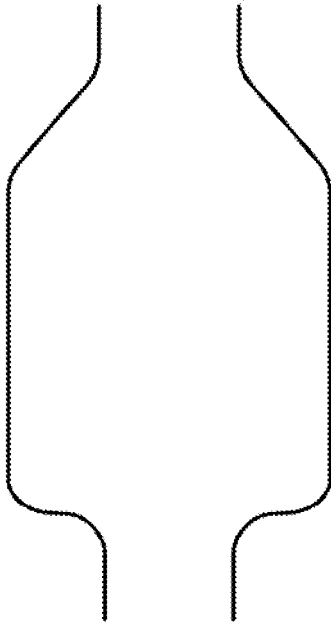


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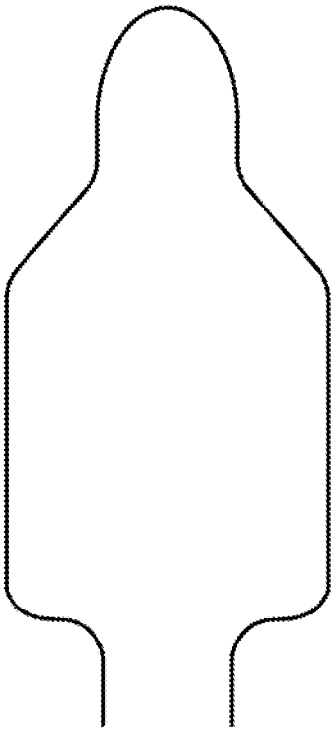


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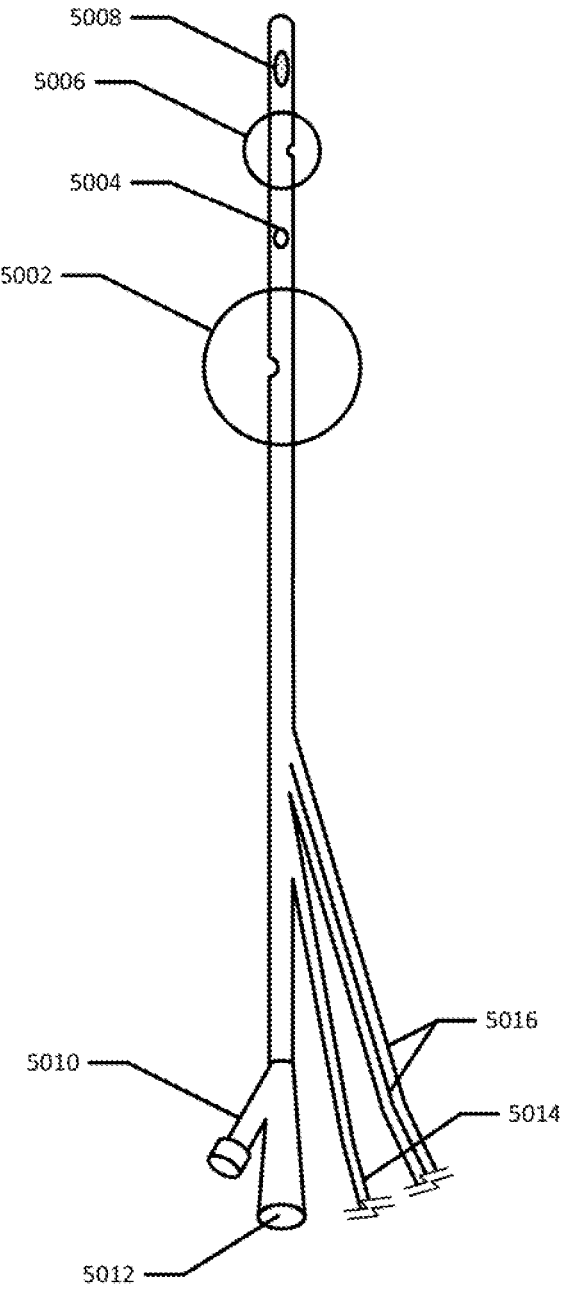


Fig. 50

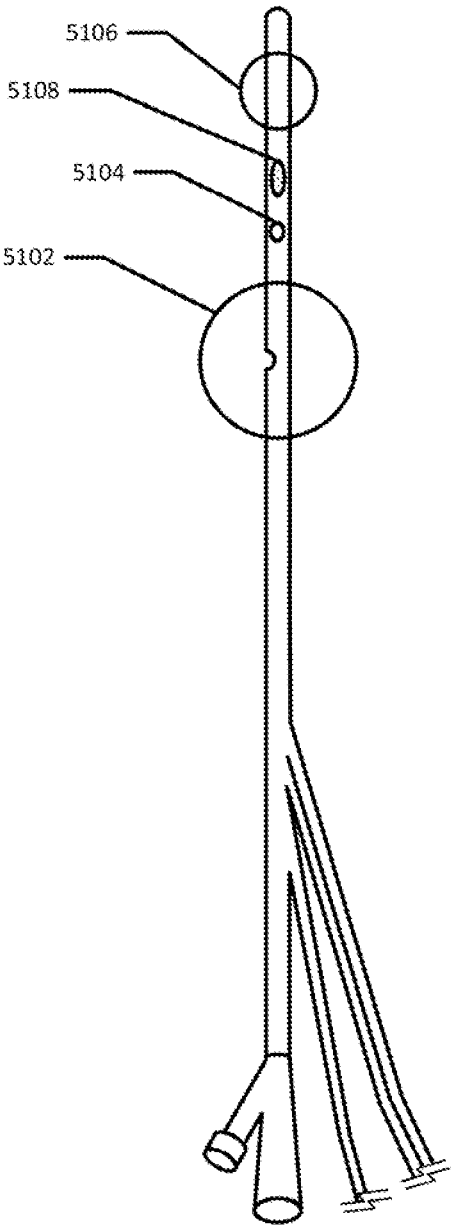


Fig. 51

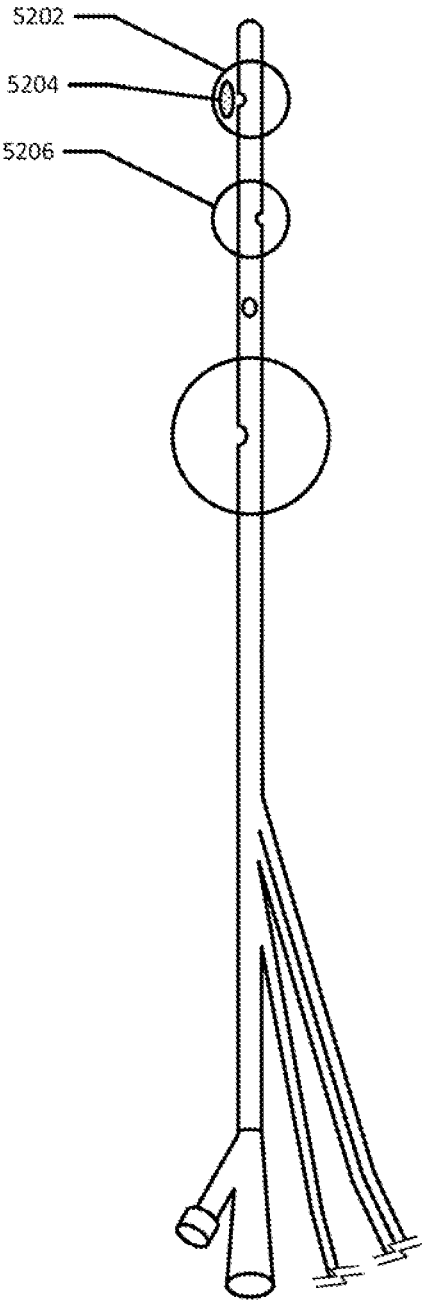


Fig. 52

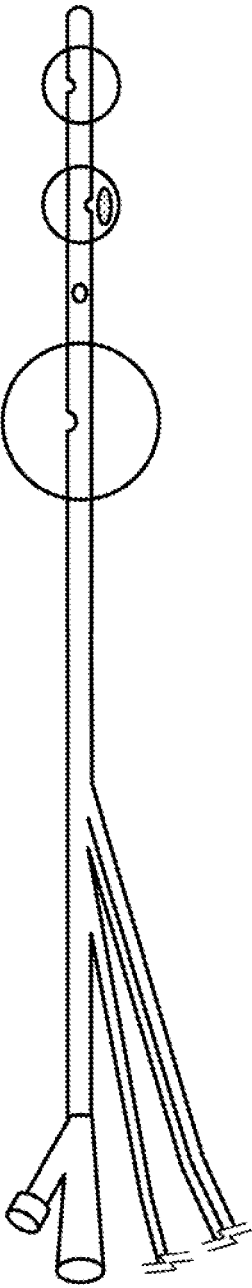


Fig. 53

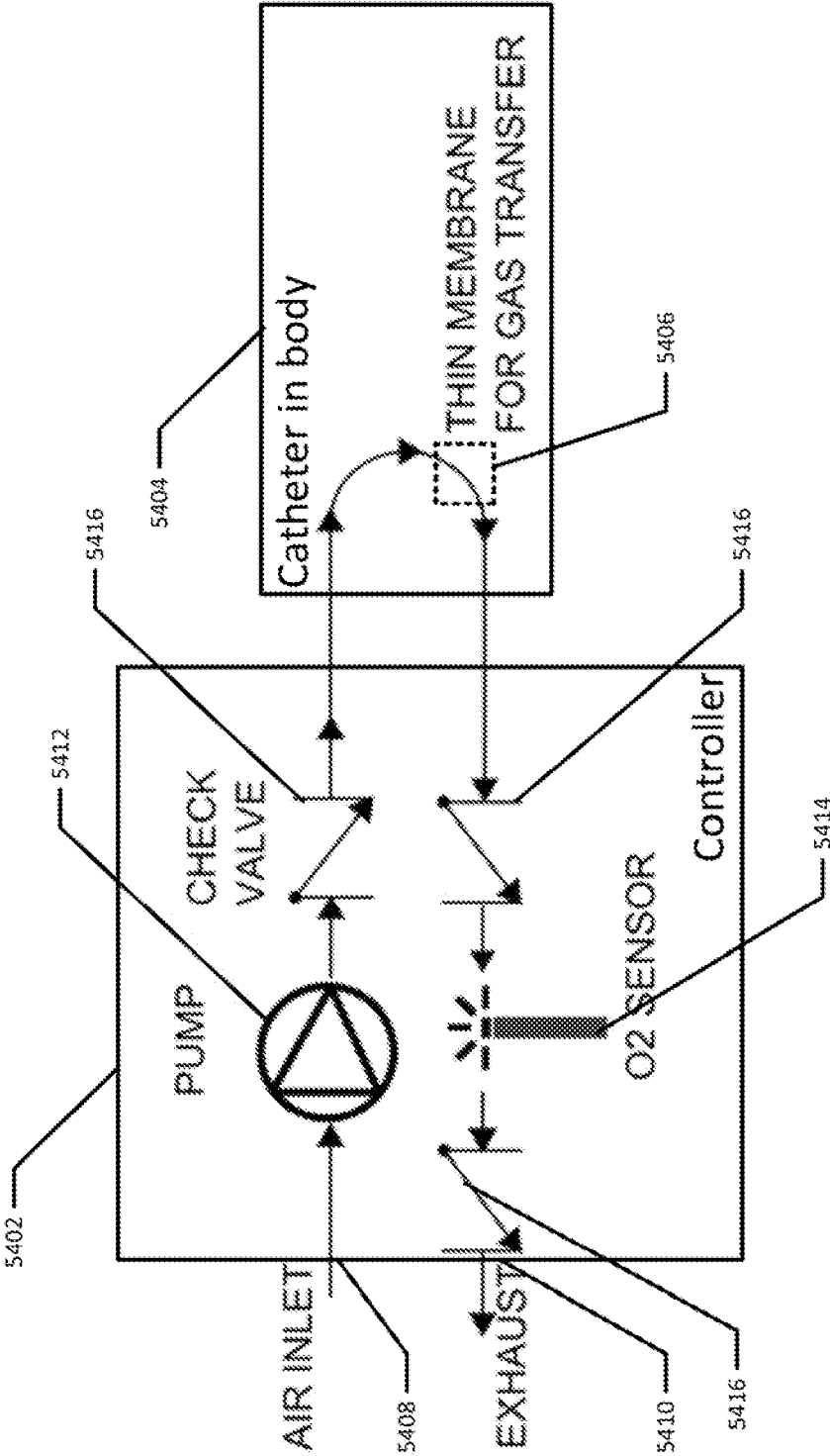


Fig. 54

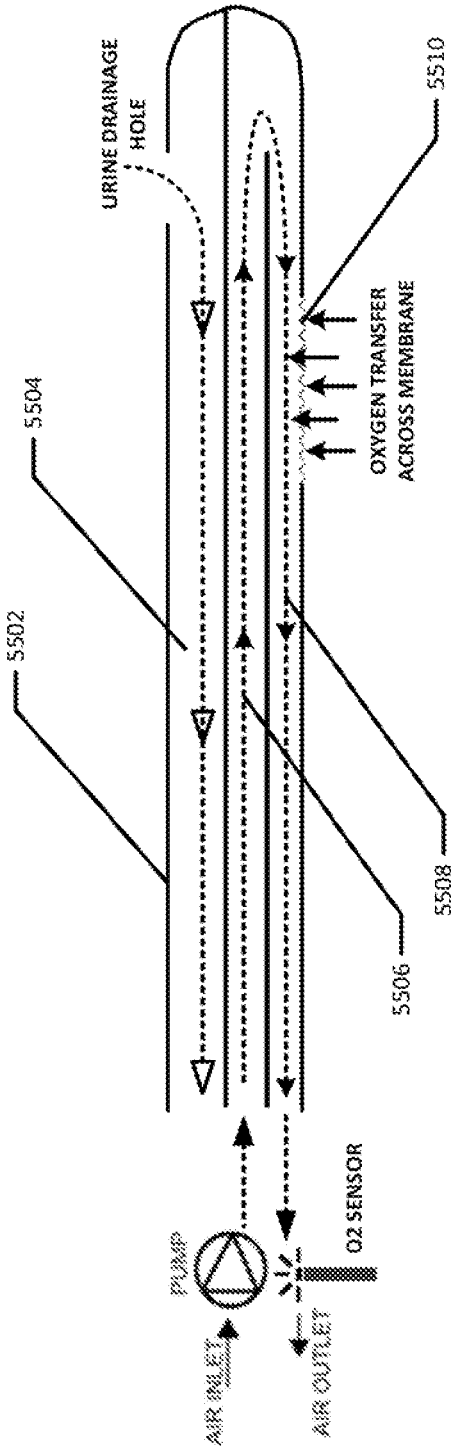


Fig. 55

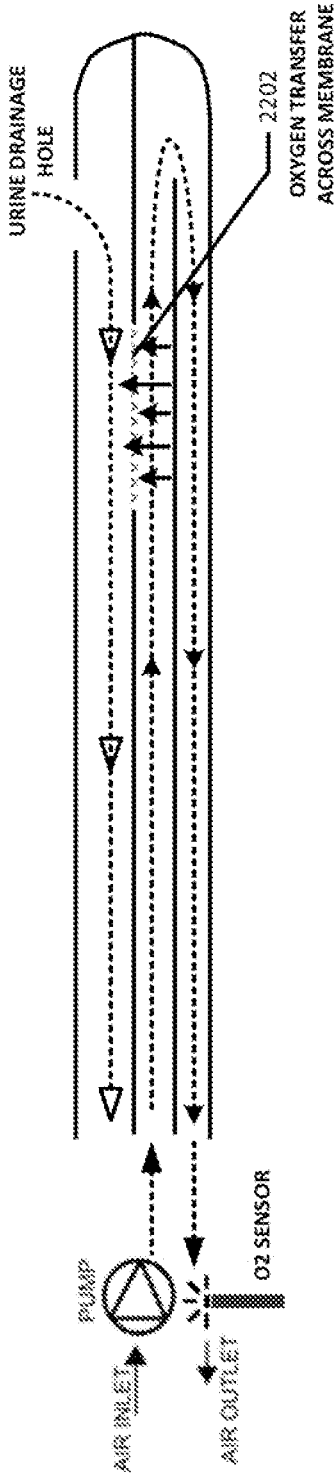
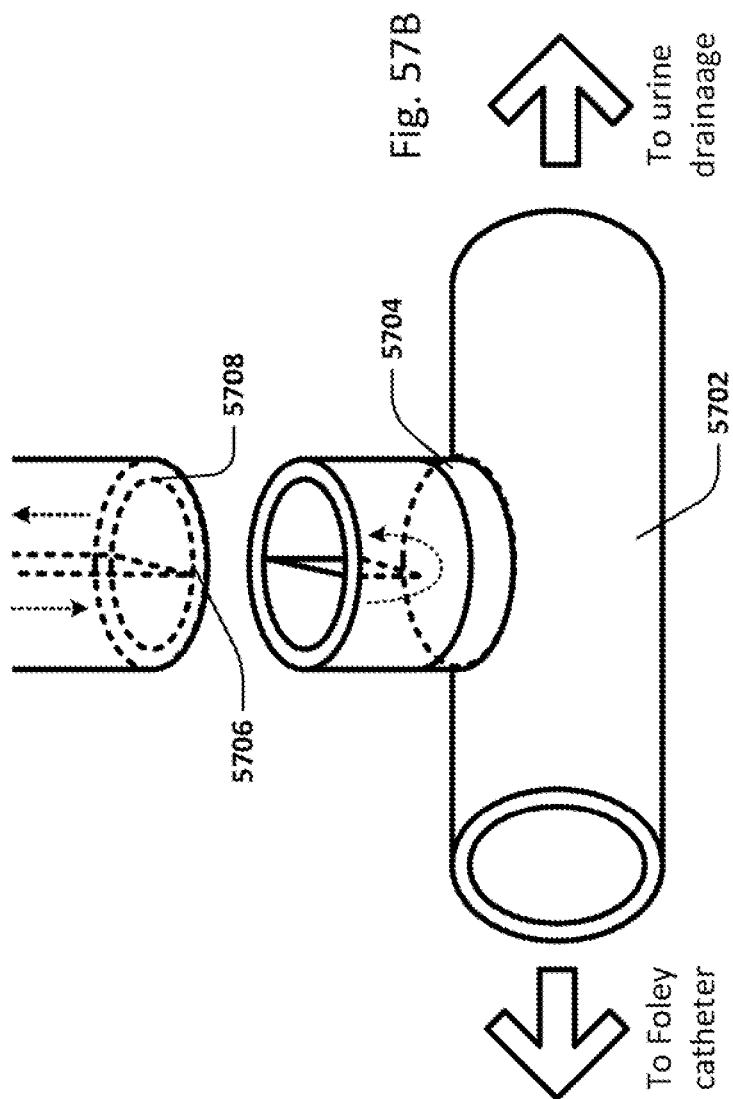
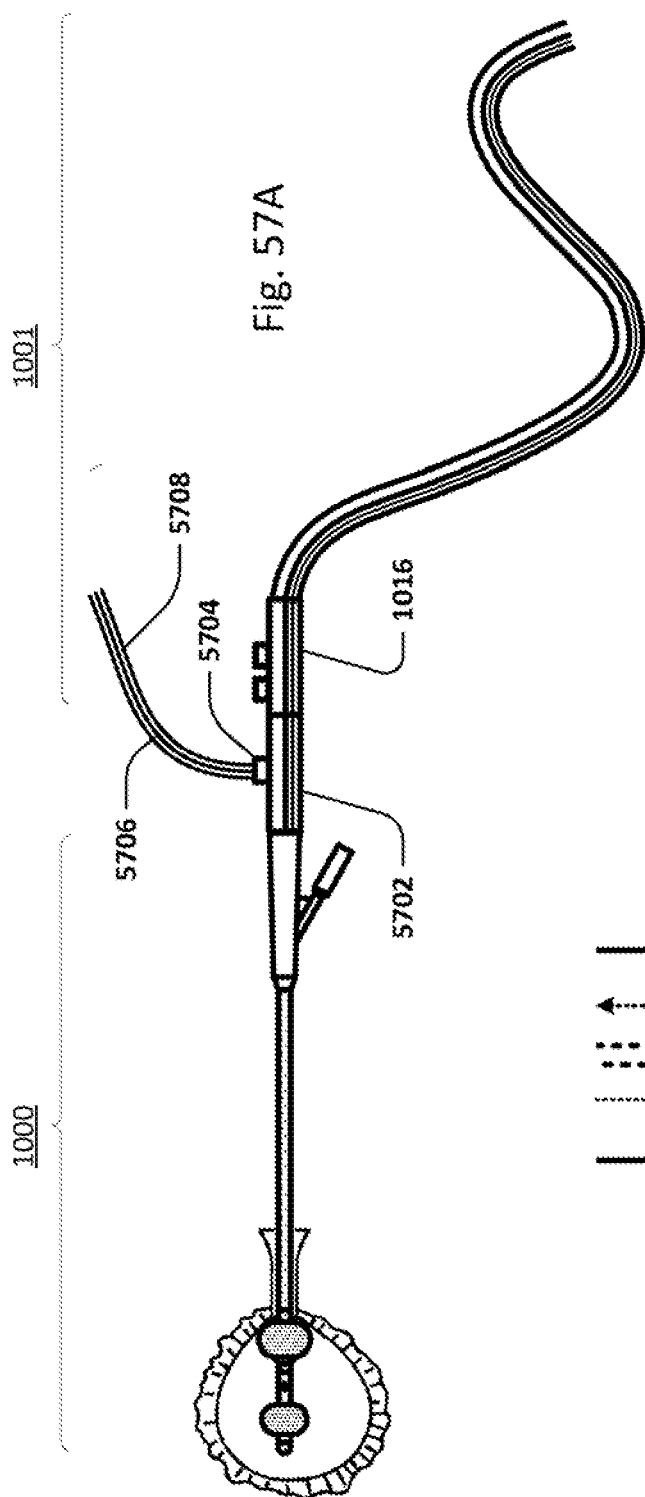


Fig. 56



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

Fig. 58A

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. 58B

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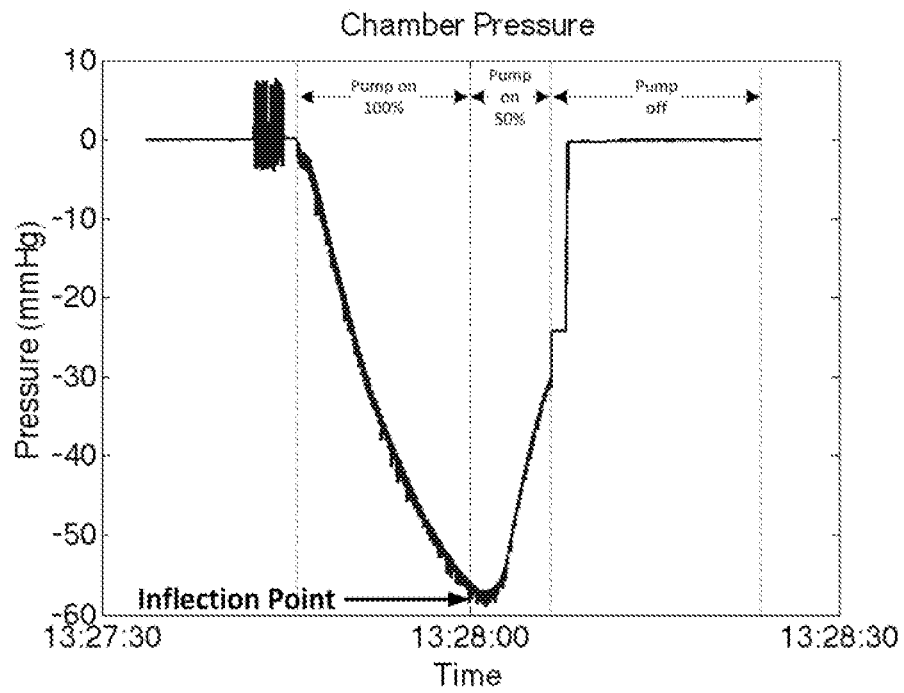


Fig. 59

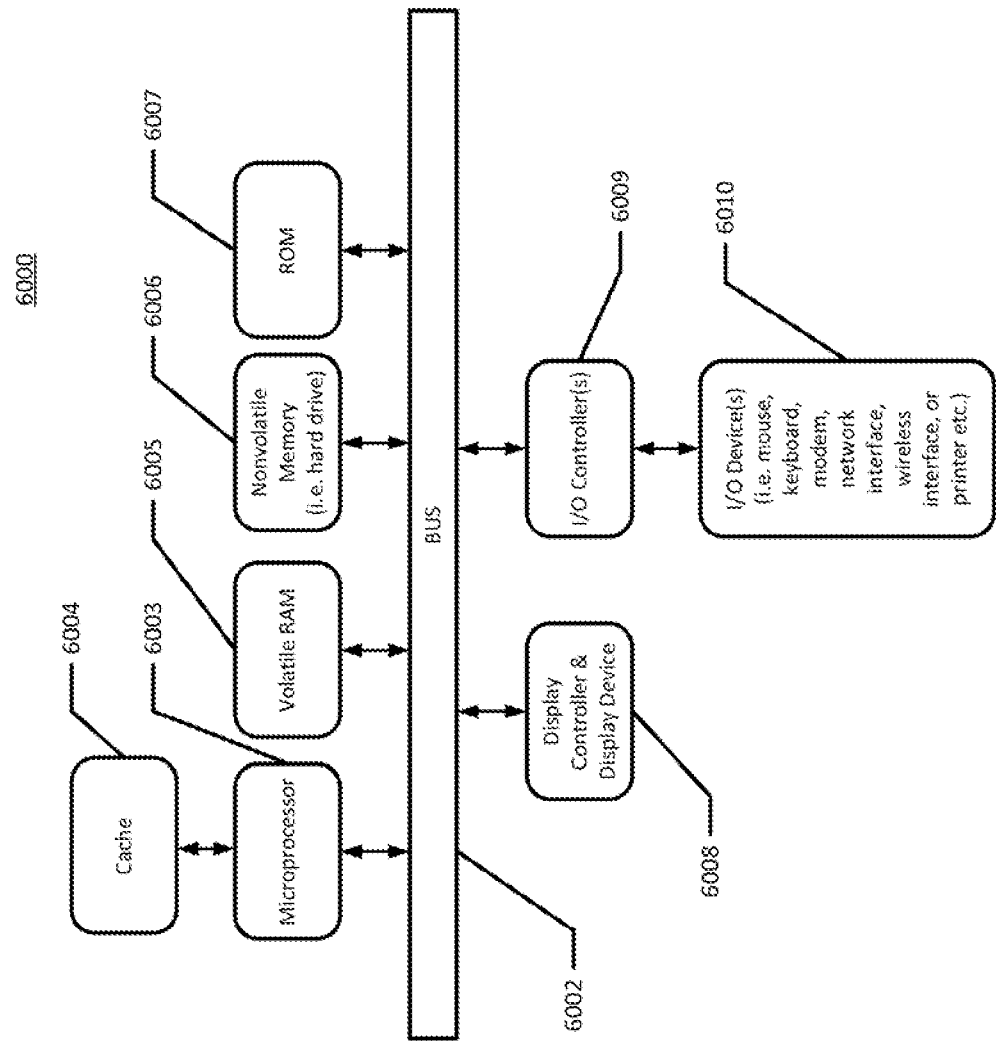


Fig. 60