

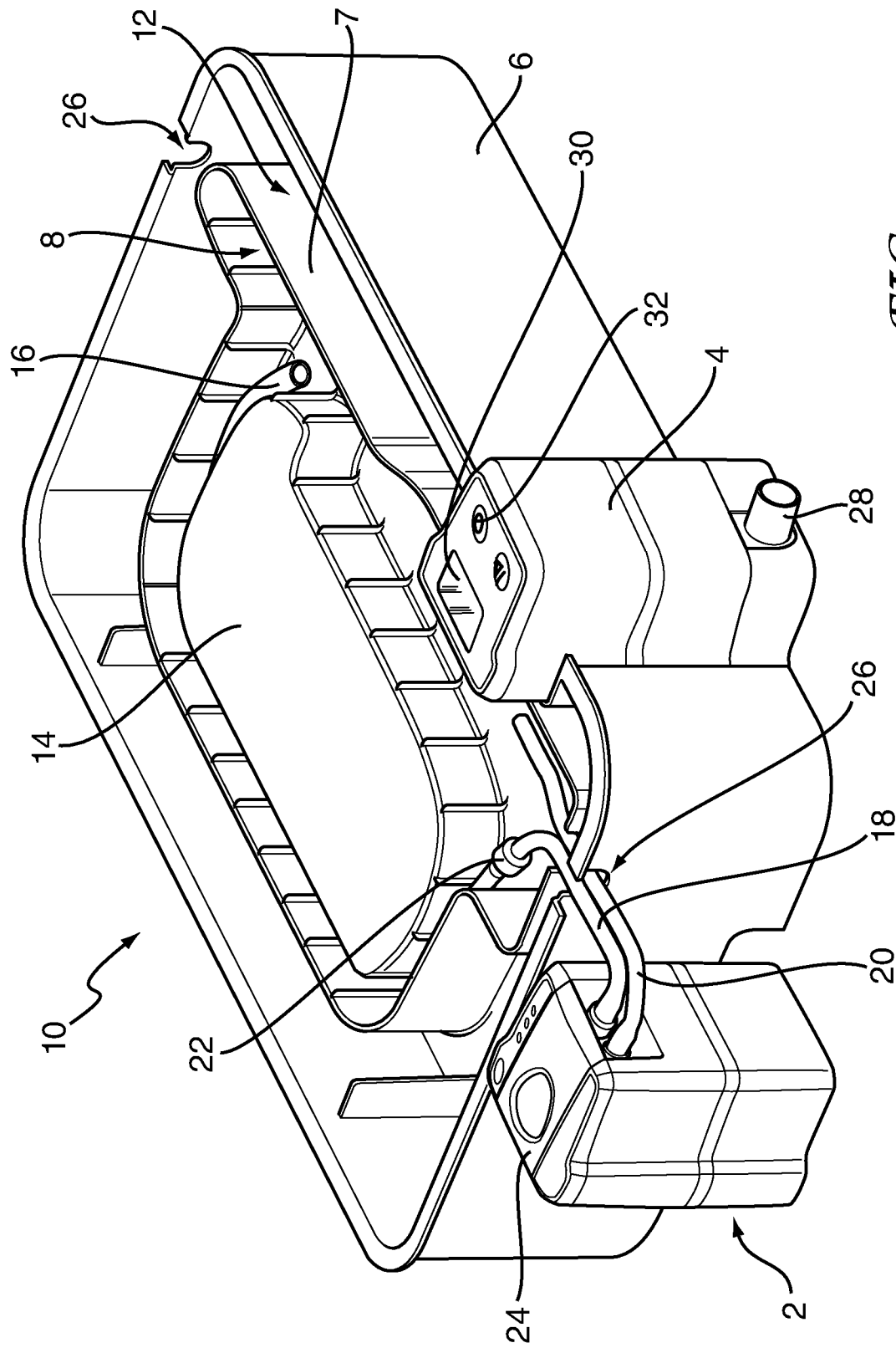


FIG. 1

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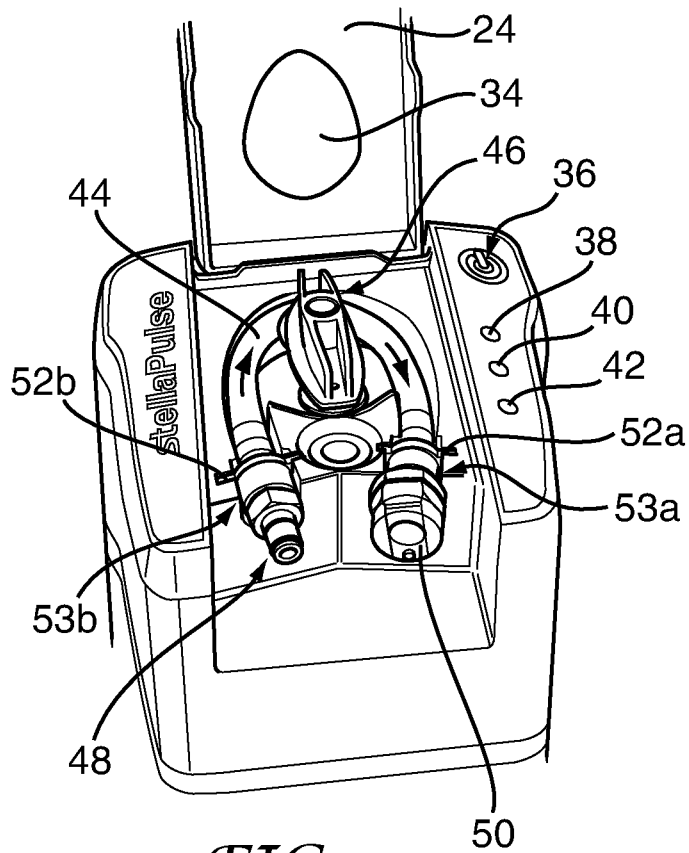


FIG. 2

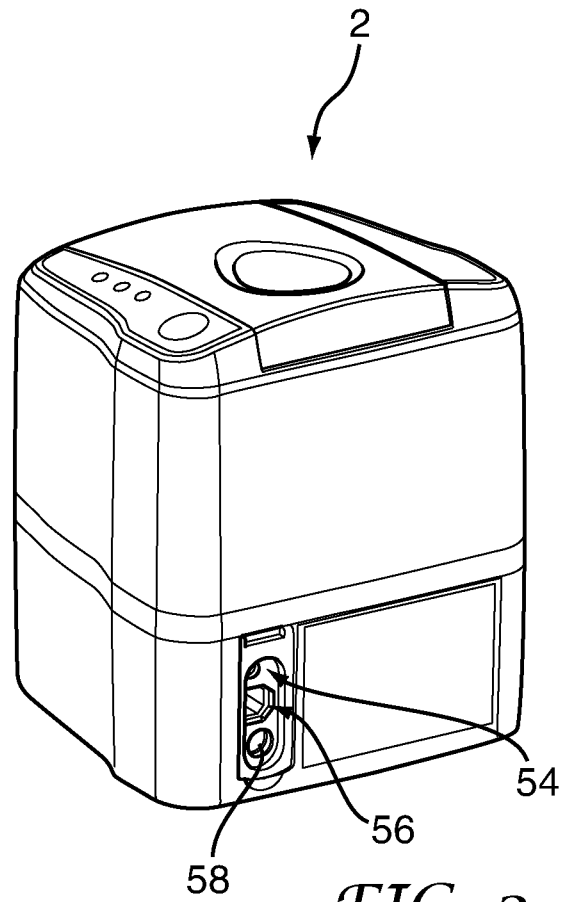


FIG. 3

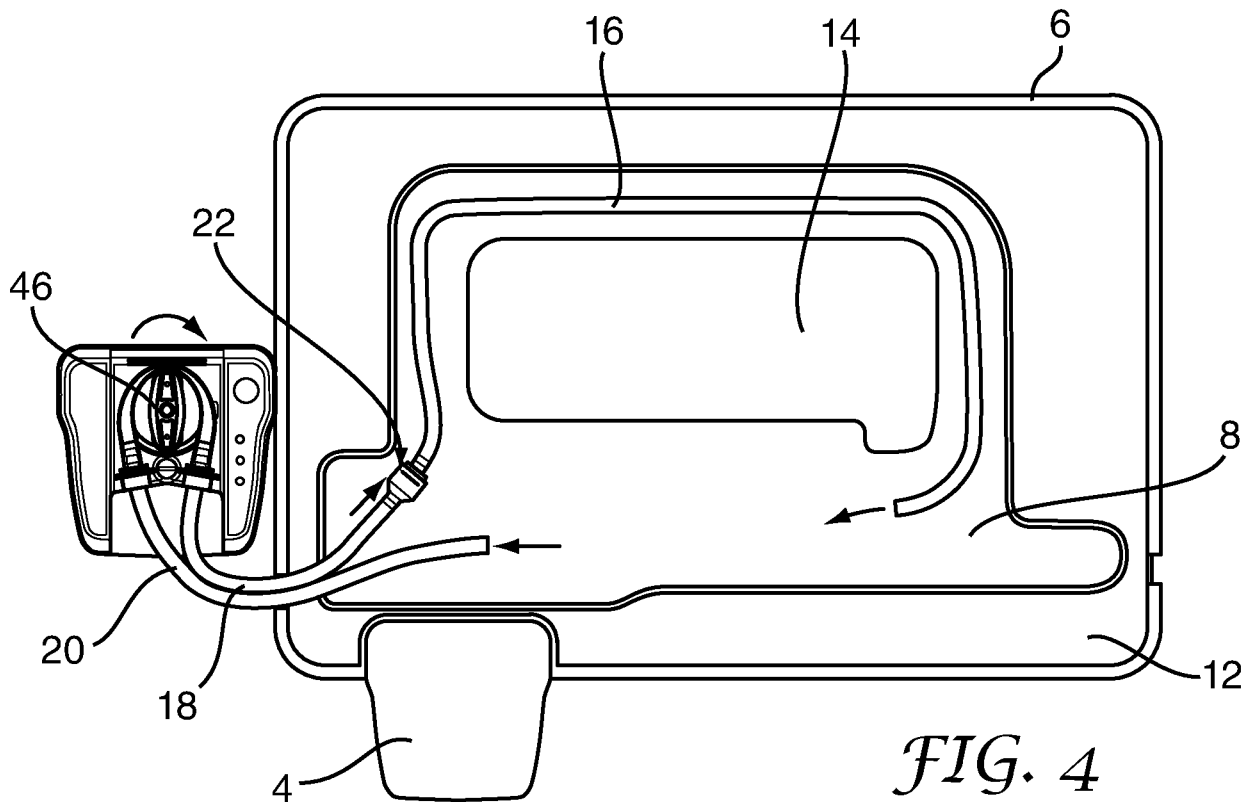


FIG. 4

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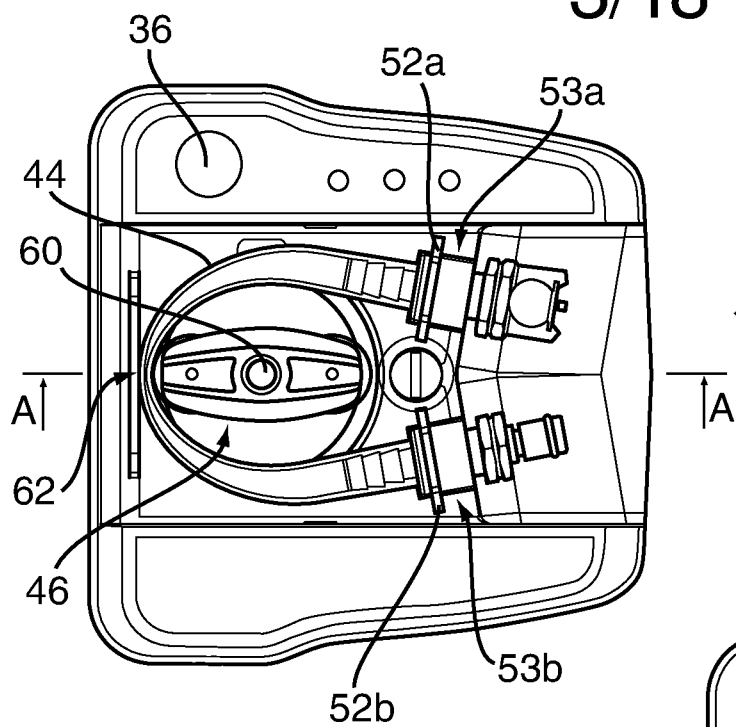


FIG. 5

FIG. 6

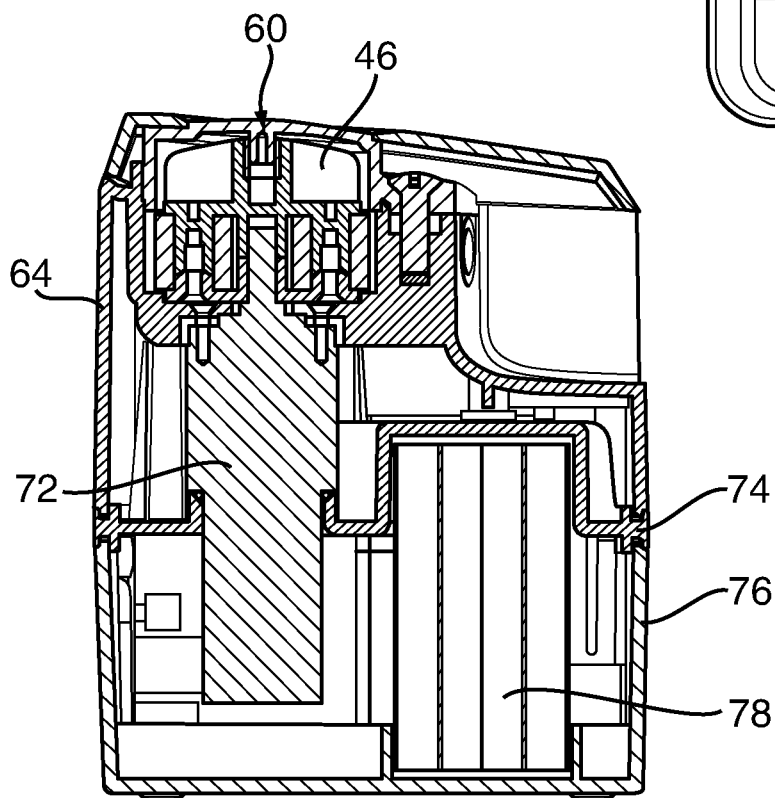
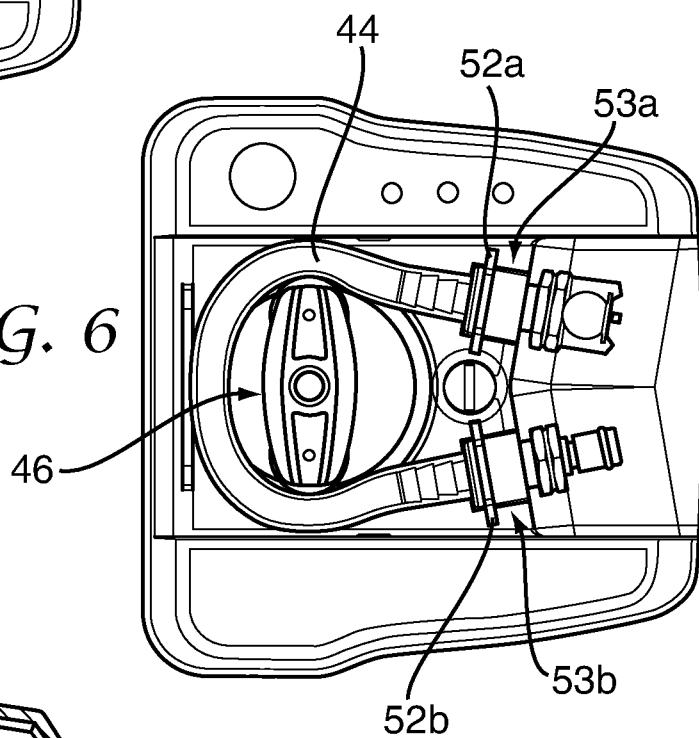


FIG. 7

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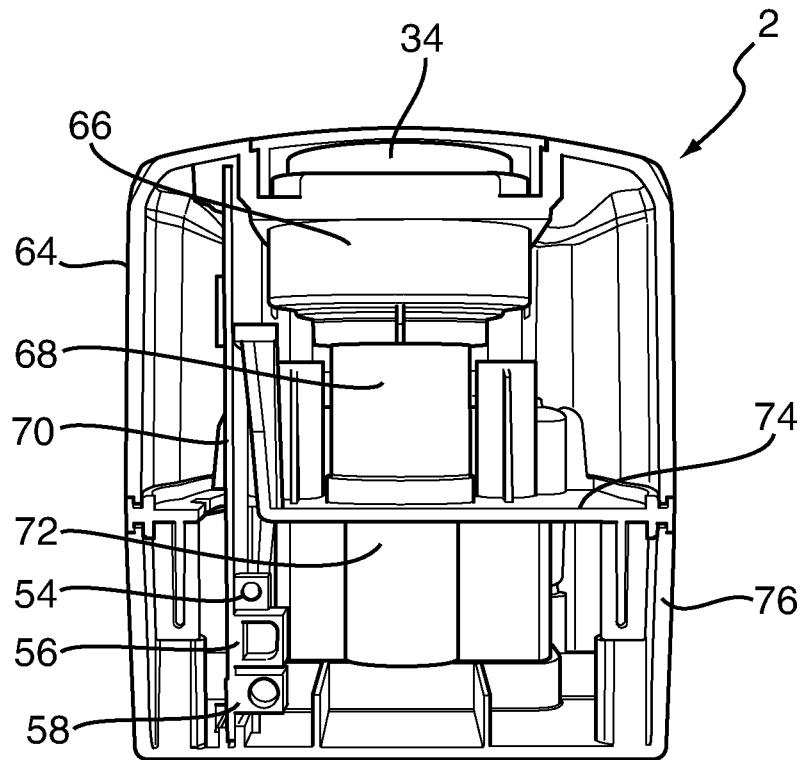


FIG. 8

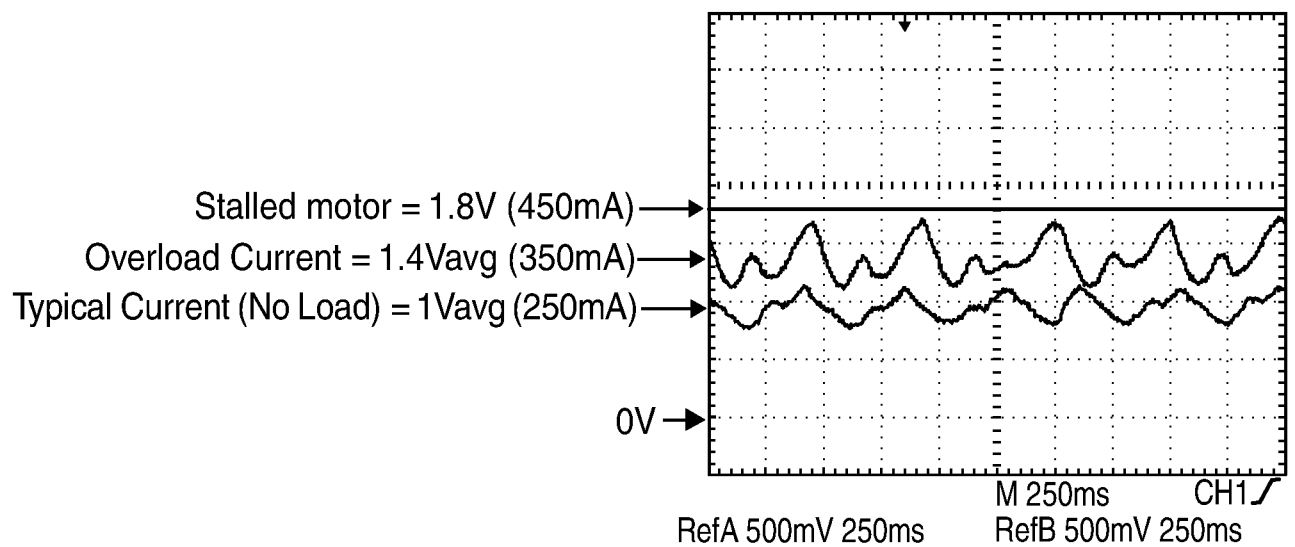
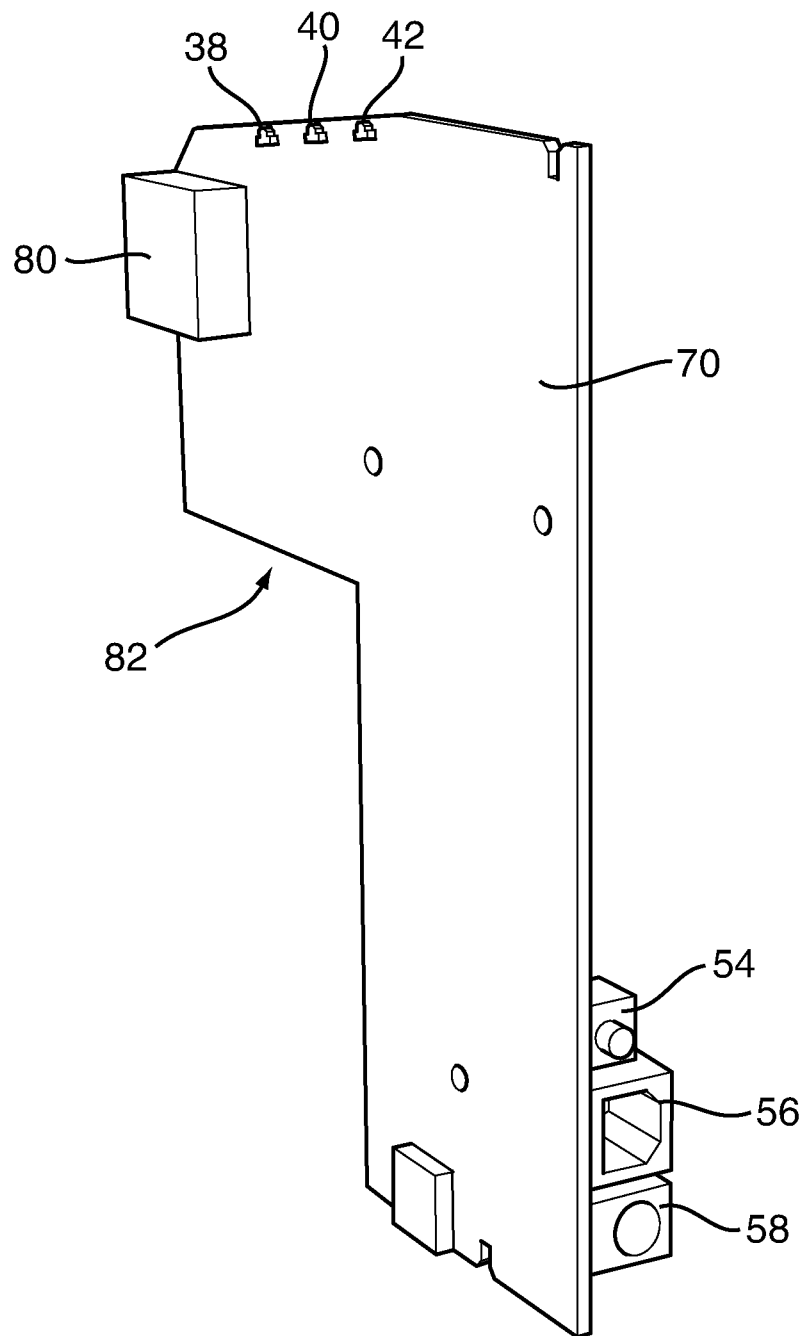
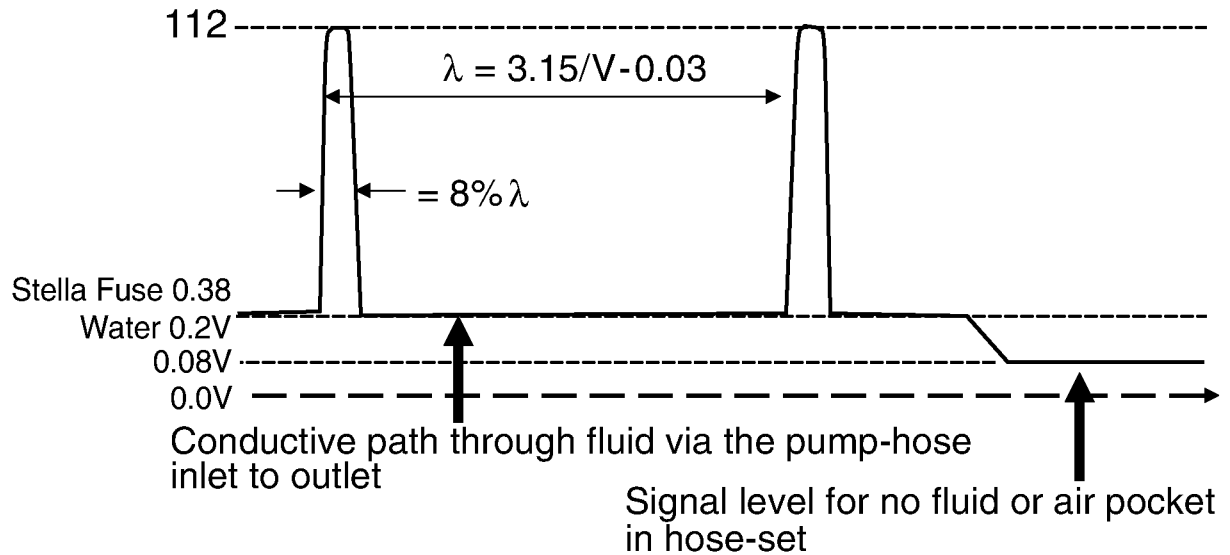
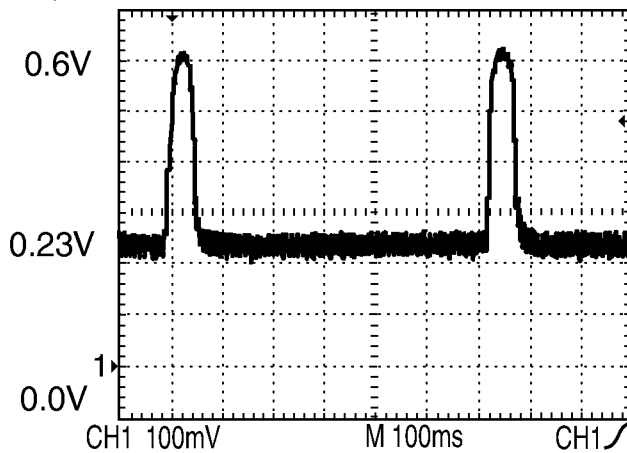
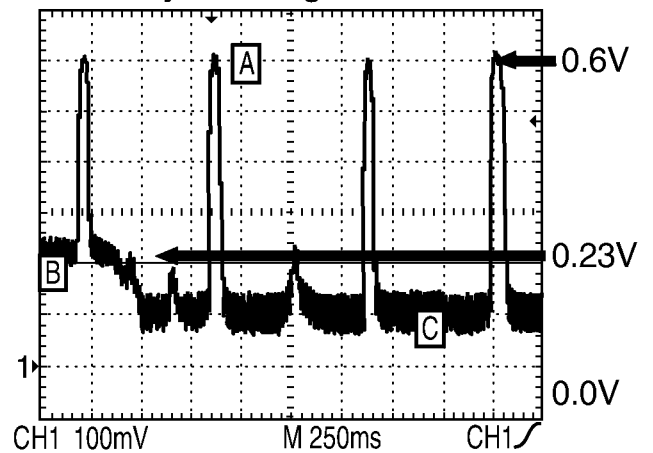


FIG. 9

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*FIG. 10*

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Fluid Signal*FIG. 11***Signal with Motor @5V(600mS p-p)***FIG. 12***Signal with Motor @5V(600mS p-p) with tray draining at 200ms***FIG. 13*

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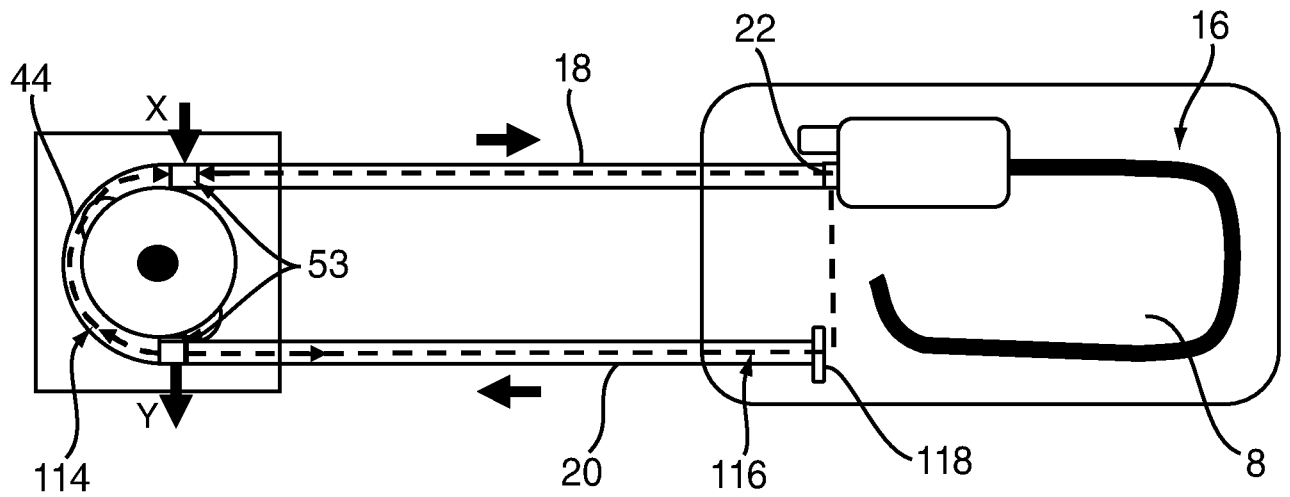
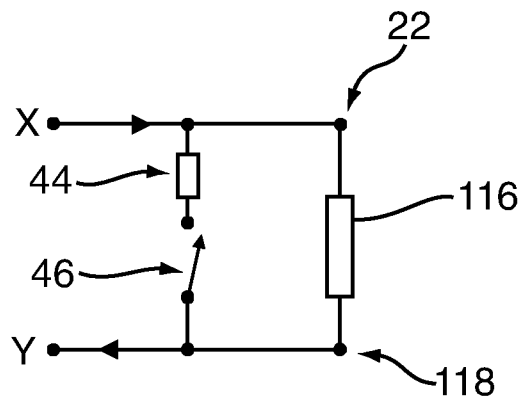


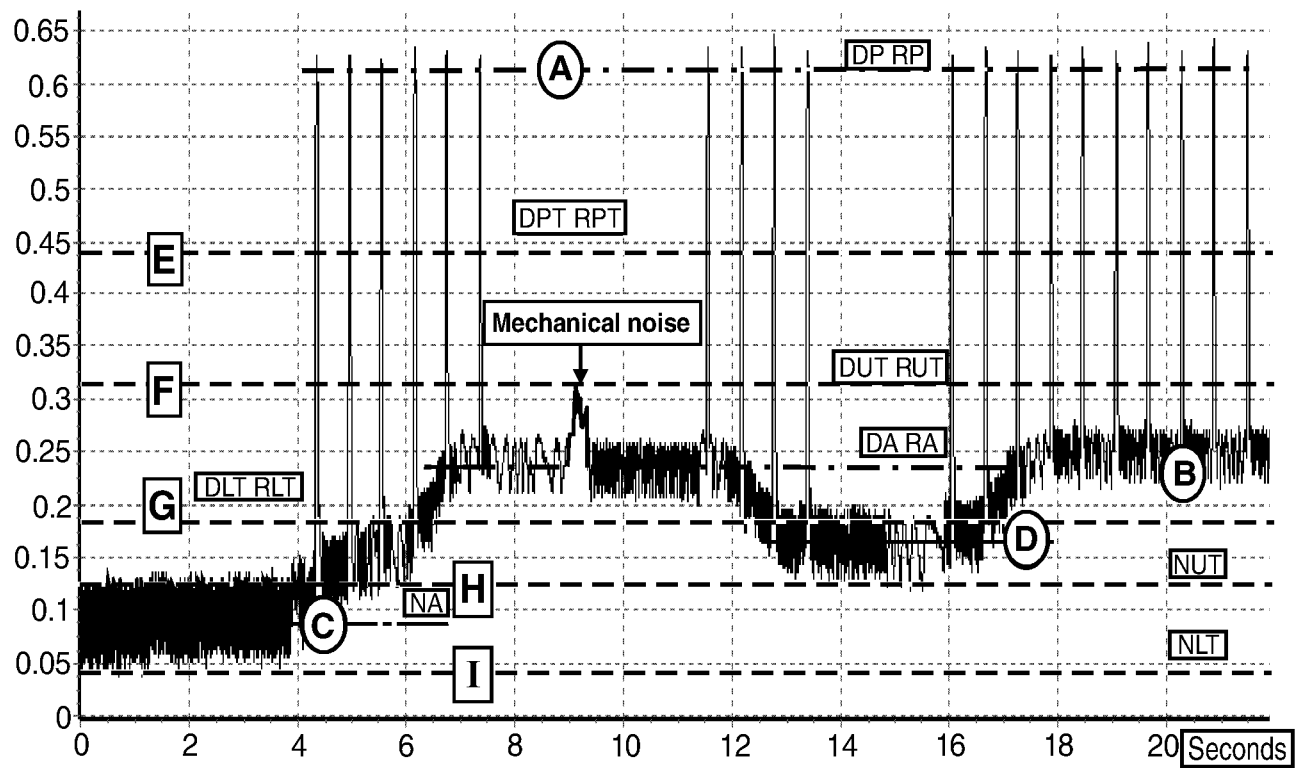
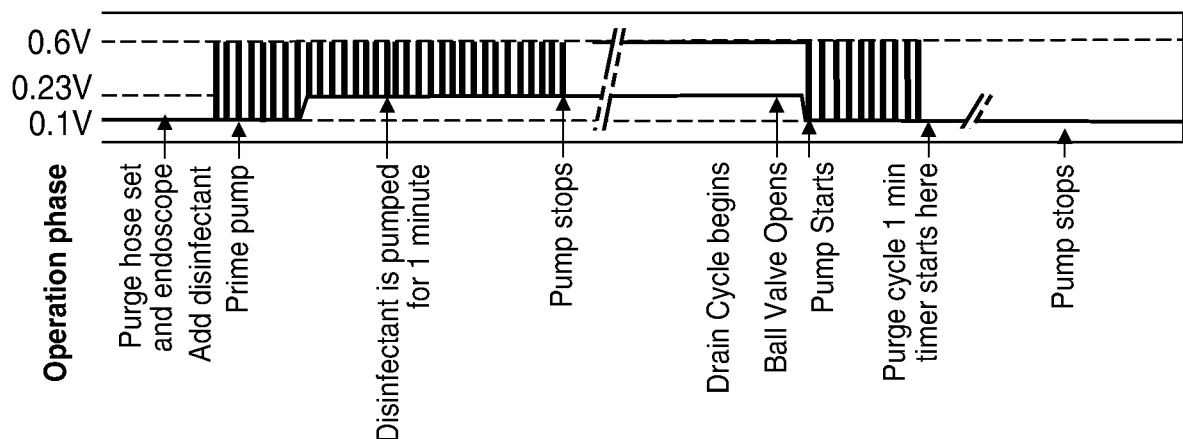
FIG. 14



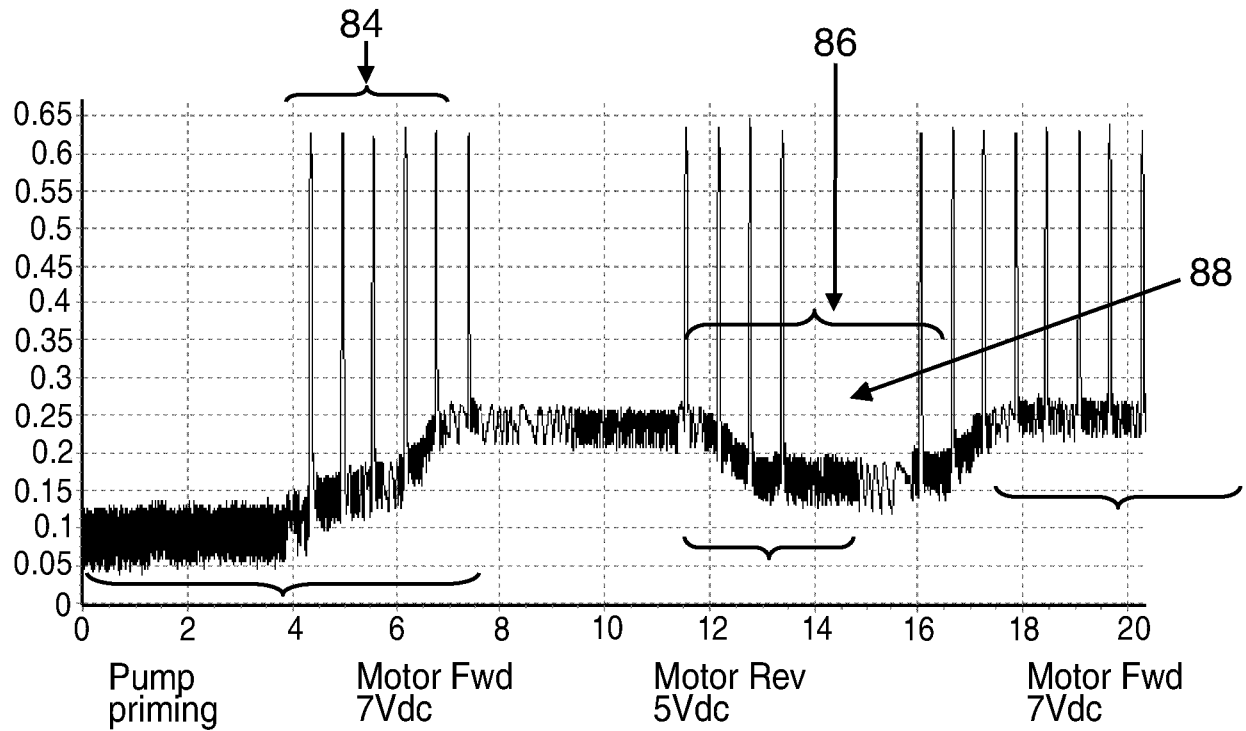
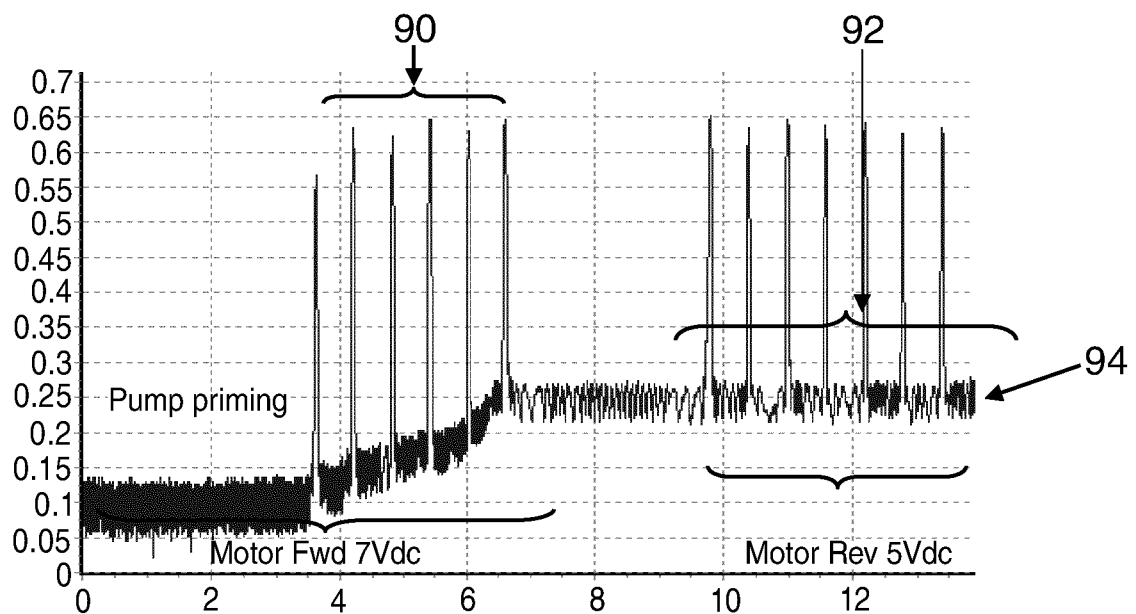
X - Y = Electrical current source

FIG. 15

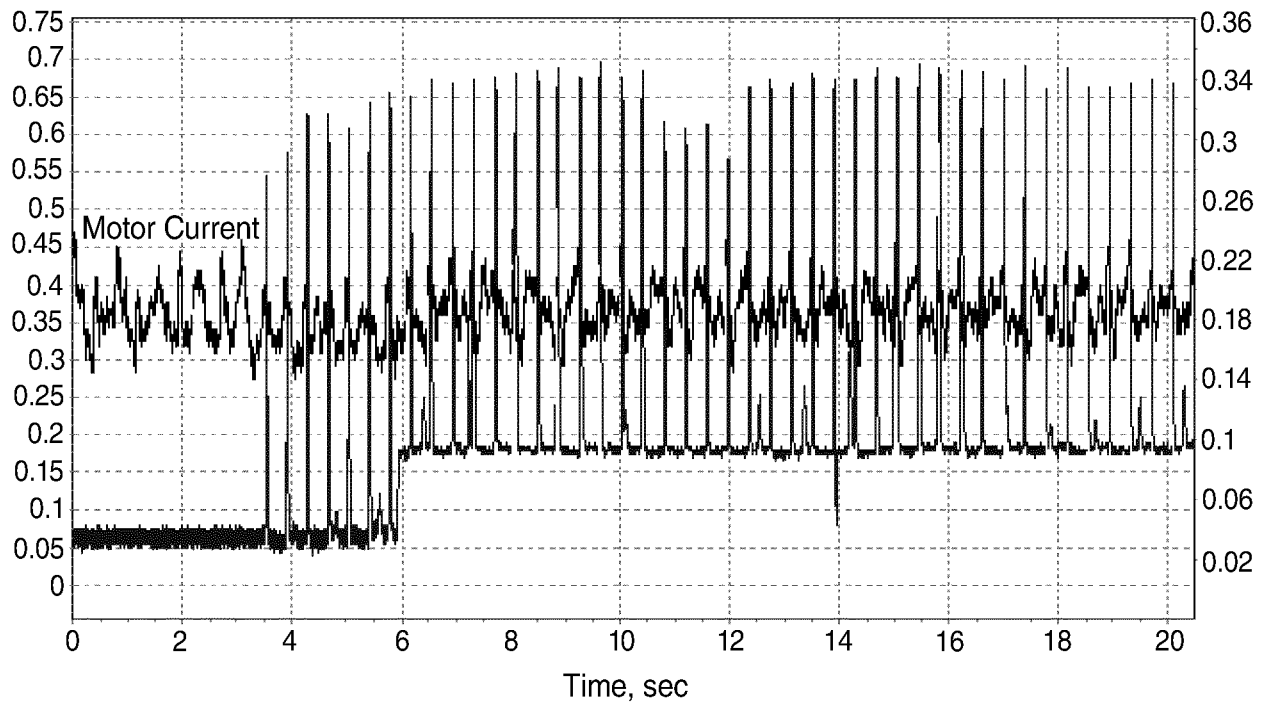
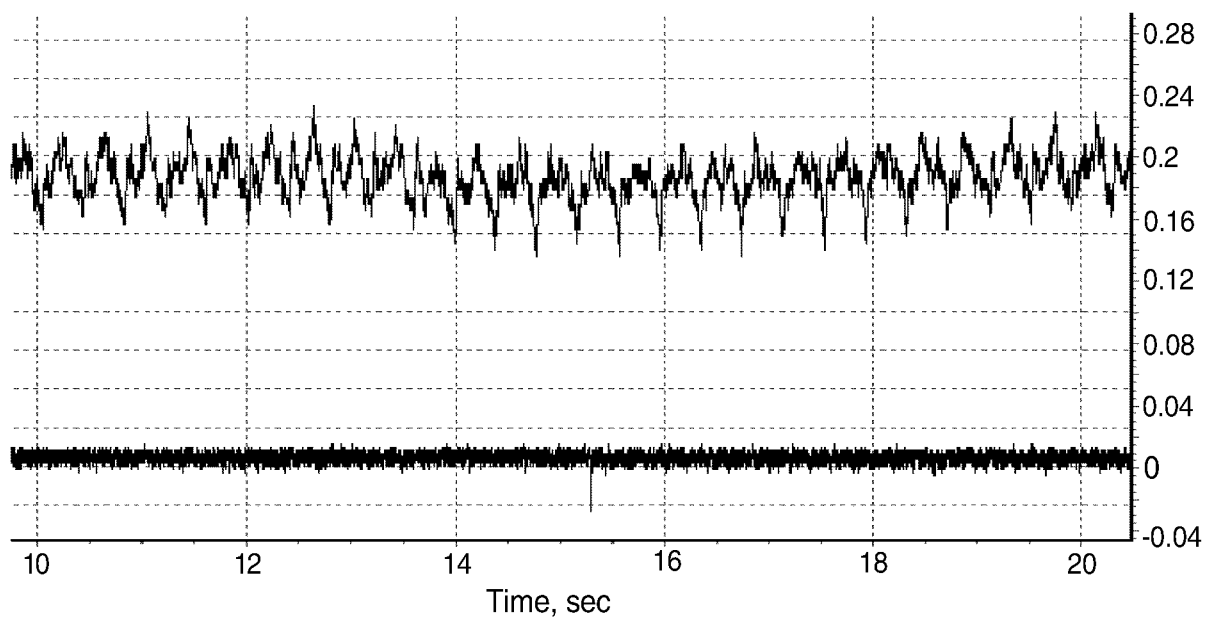
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Fluid Conduction Threshold levels*FIG. 16***Typical waveform for 5 minute disinfection clean cycle without endoscope detection***FIG. 17*

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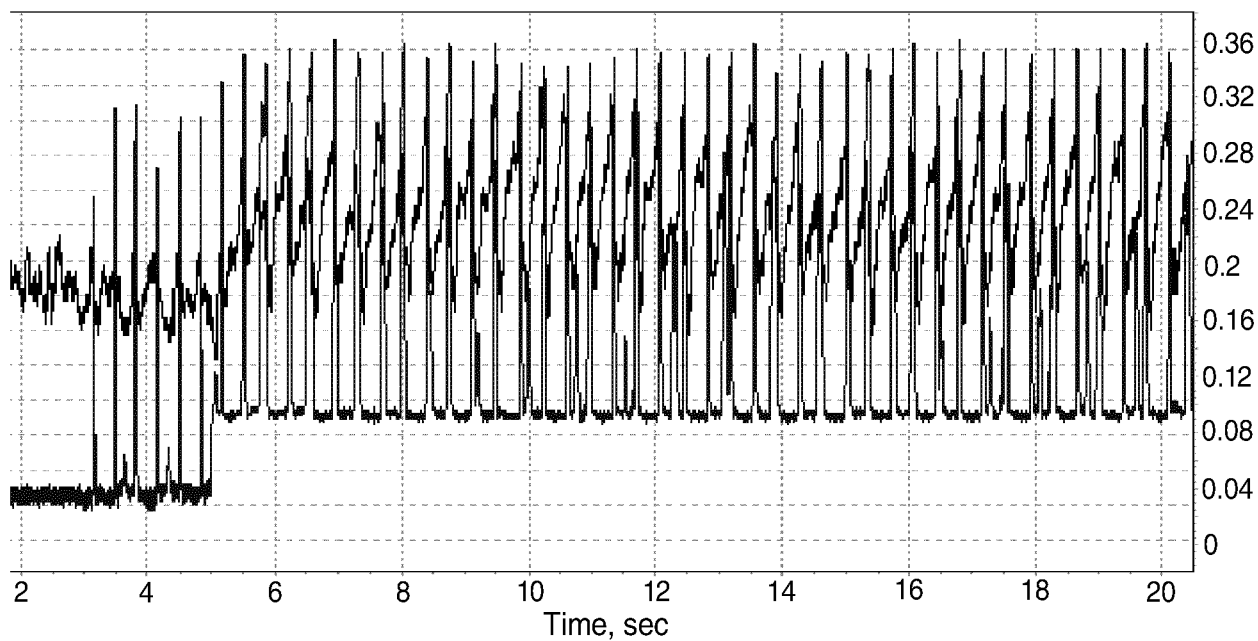
Endoscope detection confirmed*FIG. 18***Endoscope detection failure***FIG. 19*

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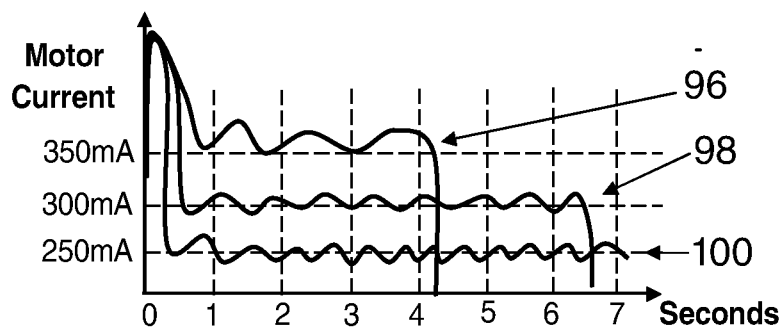
Fluid waveform and Pump motor current waveform (0.5mm Luer Channel @ 5Vdc)*FIG. 20***Pump motor current overload > 230mA (0.5mm Luer Channel @ 12Vdc)***FIG. 21*

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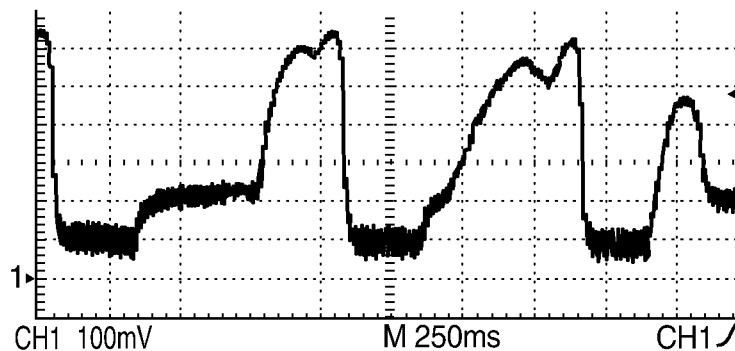
Pump motor current 230mA average (0.5mm Luer Channel @ 8Vdc)

*FIG. 22*

Motor current overload waveform

*FIG. 23*

Fluid conduction waveform with Blocked Instrument

*FIG. 24*

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Typical waveform for 5 minute disinfection clean cycle with endoscope detection

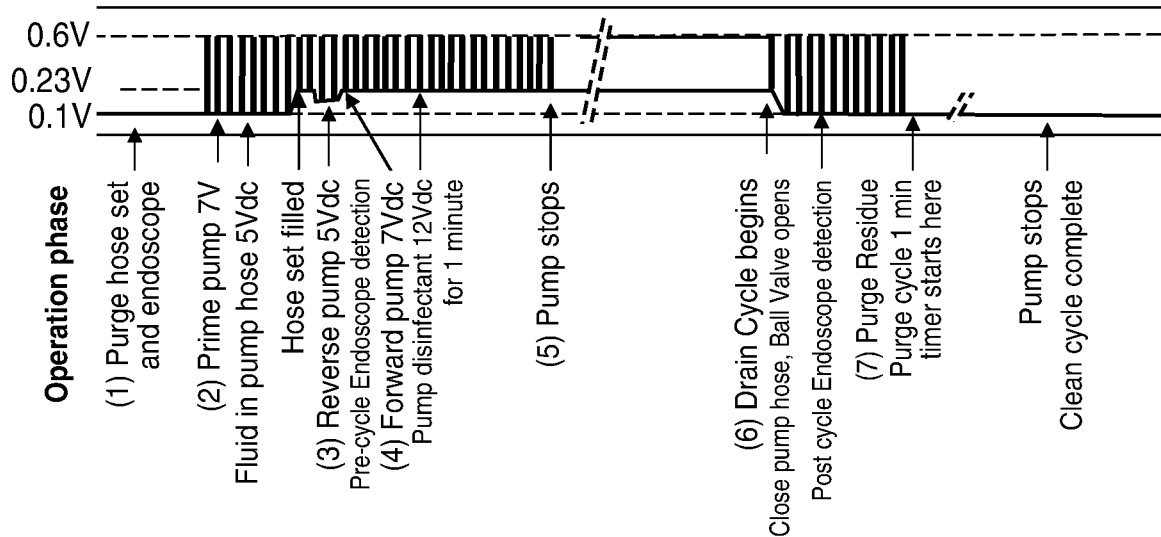


FIG. 25

Start of disinfection clean cycle and endoscope with a small diameter Luer channel

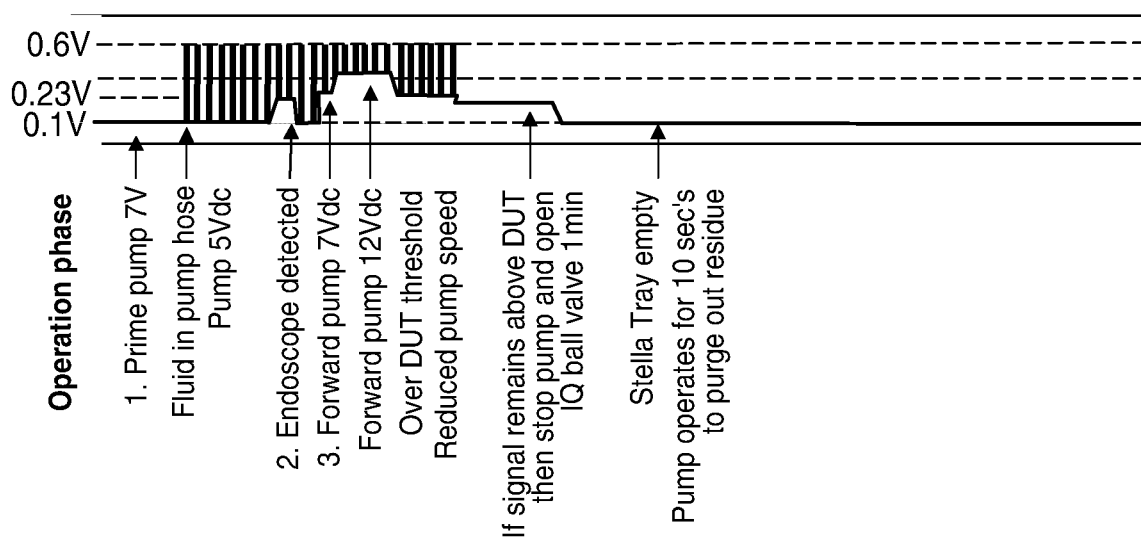
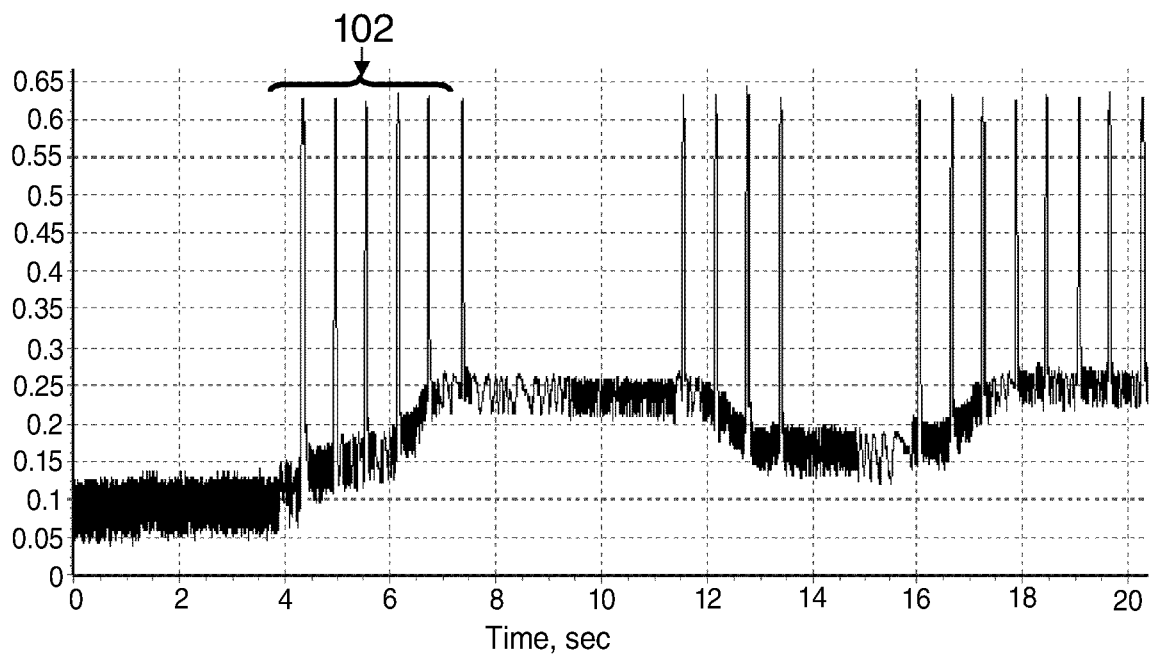


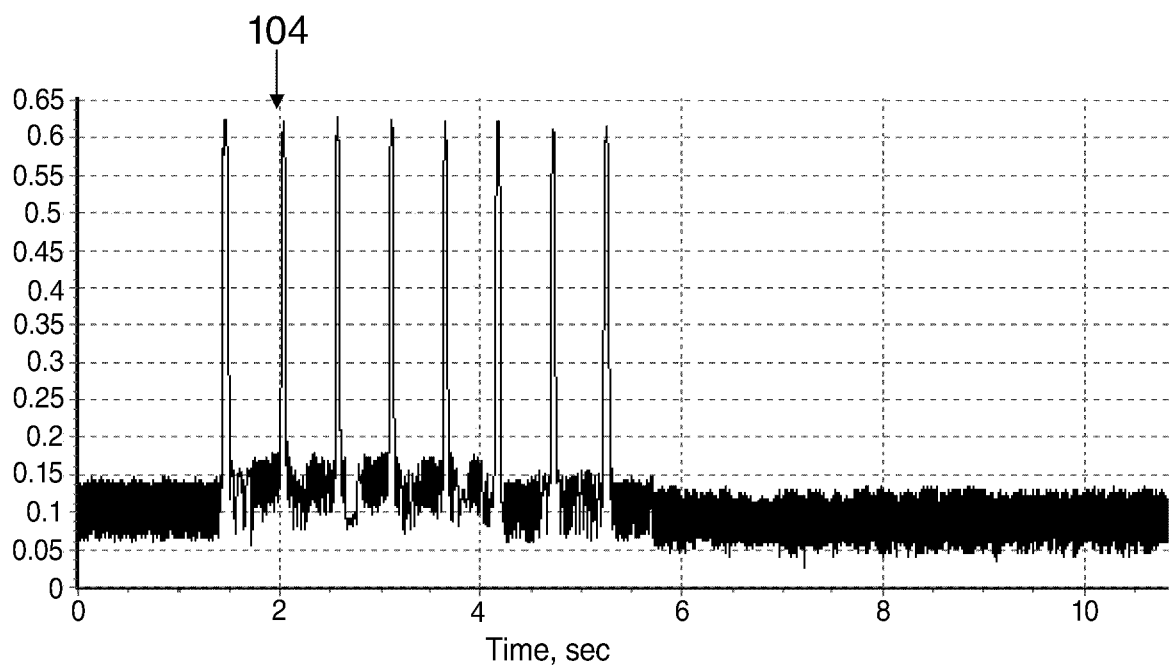
FIG. 26

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Pre - Cycle Endoscope detection

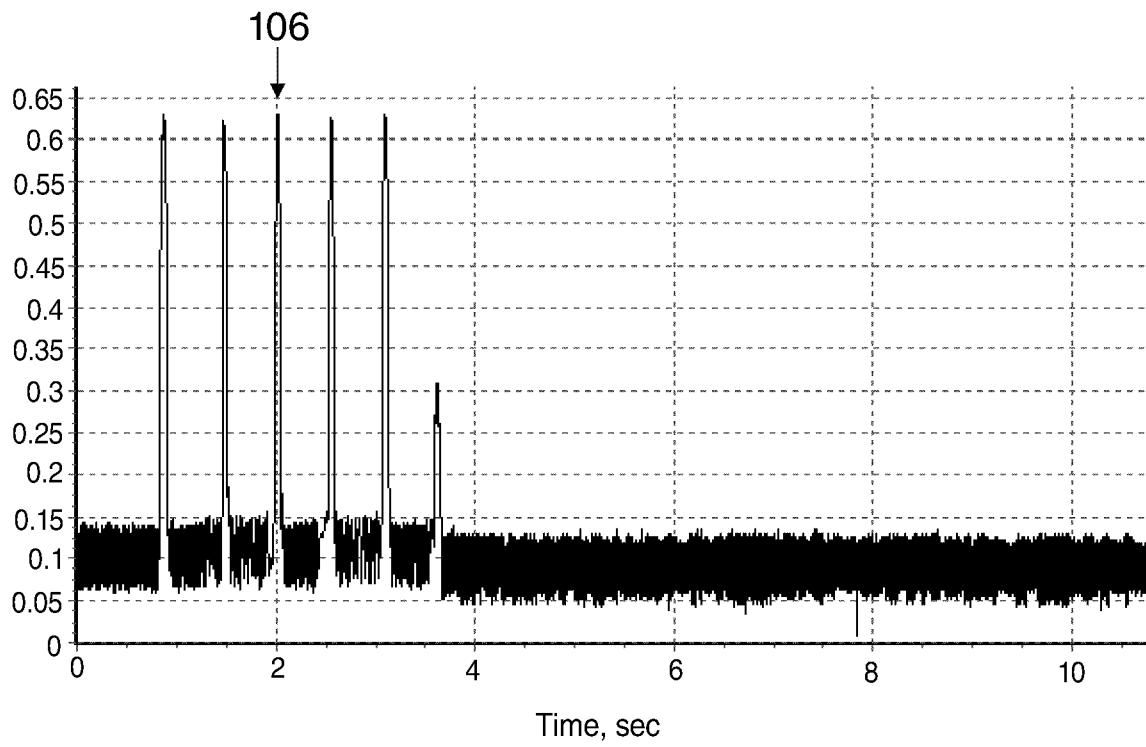
*FIG. 27*

Post - Cycle Endoscope detection

*FIG. 28*

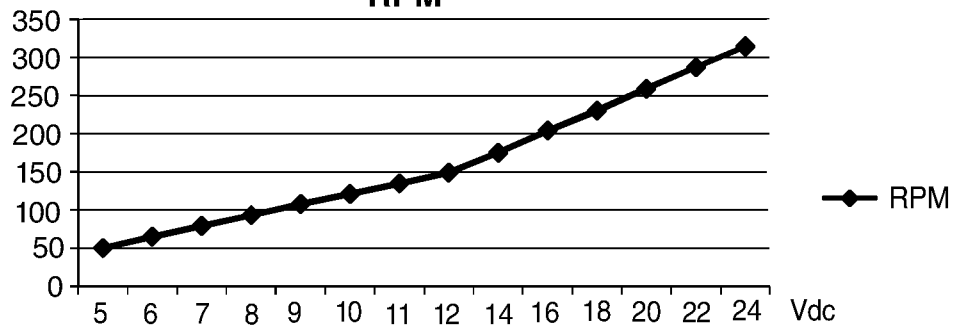
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Post - Cycle Endoscope Detection Failure

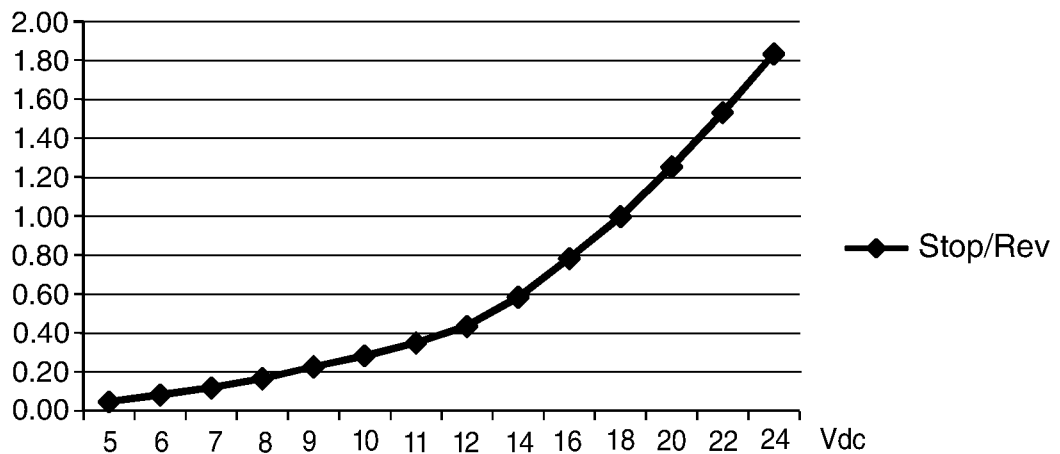
*FIG. 29*

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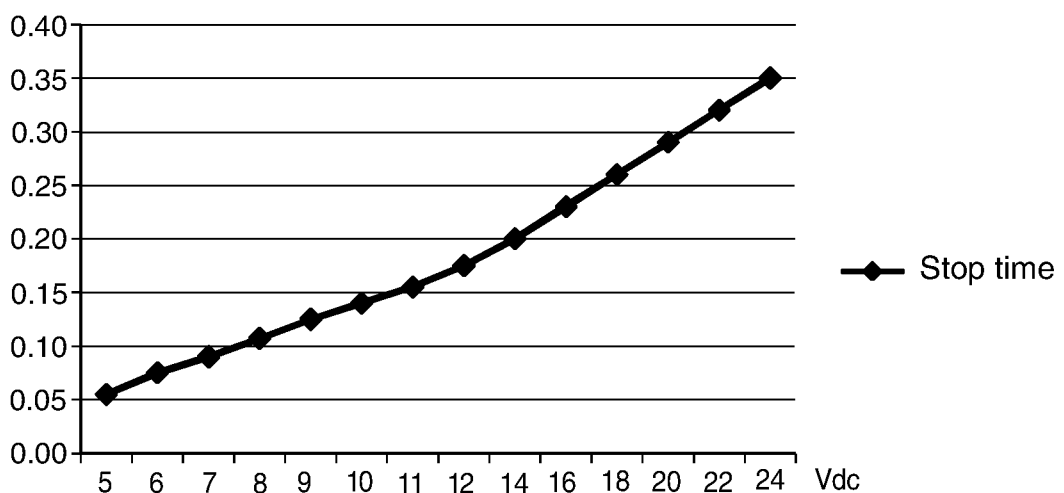
Pump Rotor Speed verses Applied Motor Voltage
RPM -

*FIG. 30a*

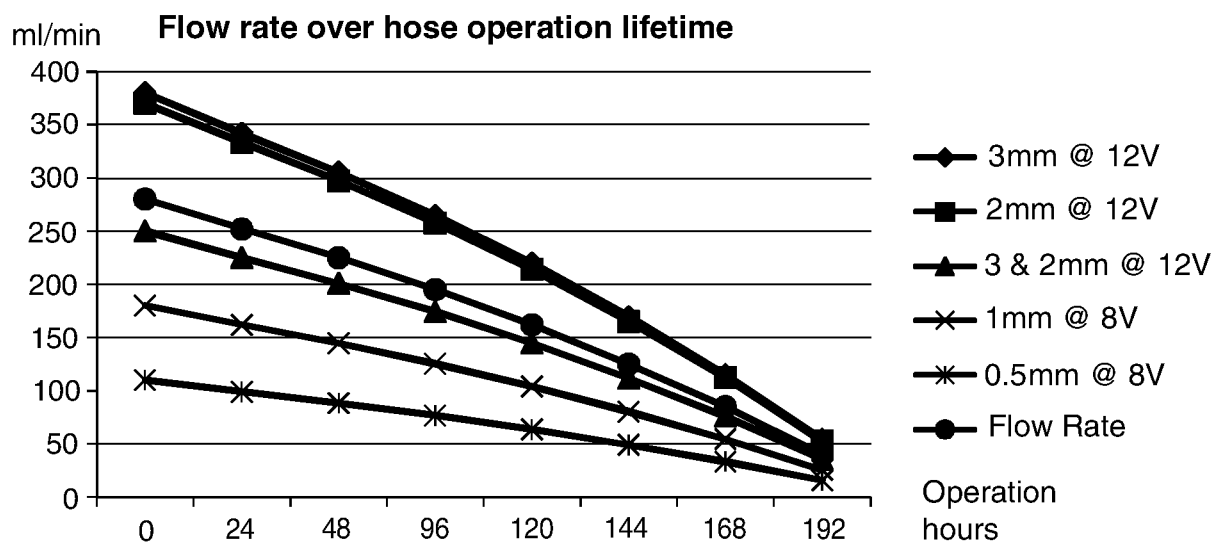
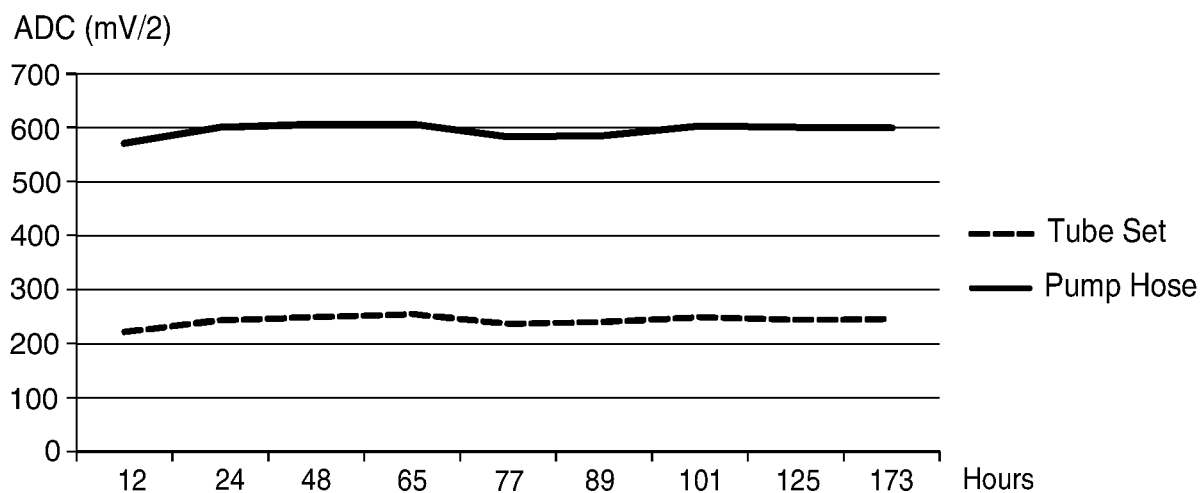
Pump rotations to standstill

*FIG. 30b*

Pump rotations to standstill

*FIG. 30c*

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Fluid flow rate*FIG. 31***Fluid Sensor signal level with disinfectant***FIG. 32*

Waveform if Pre-cycle peaks counted

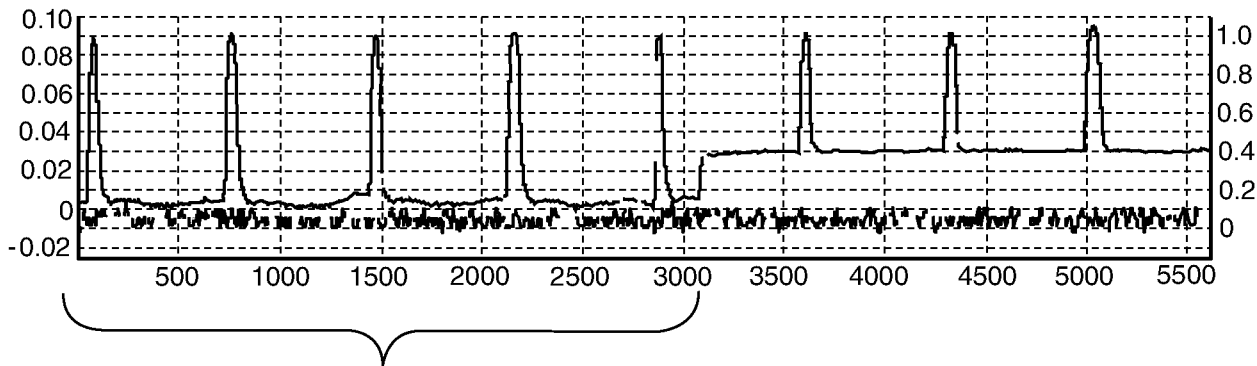


FIG. 33

Outlet Tube Length



FIG. 34

Fluid sensor waveform and threshold levels

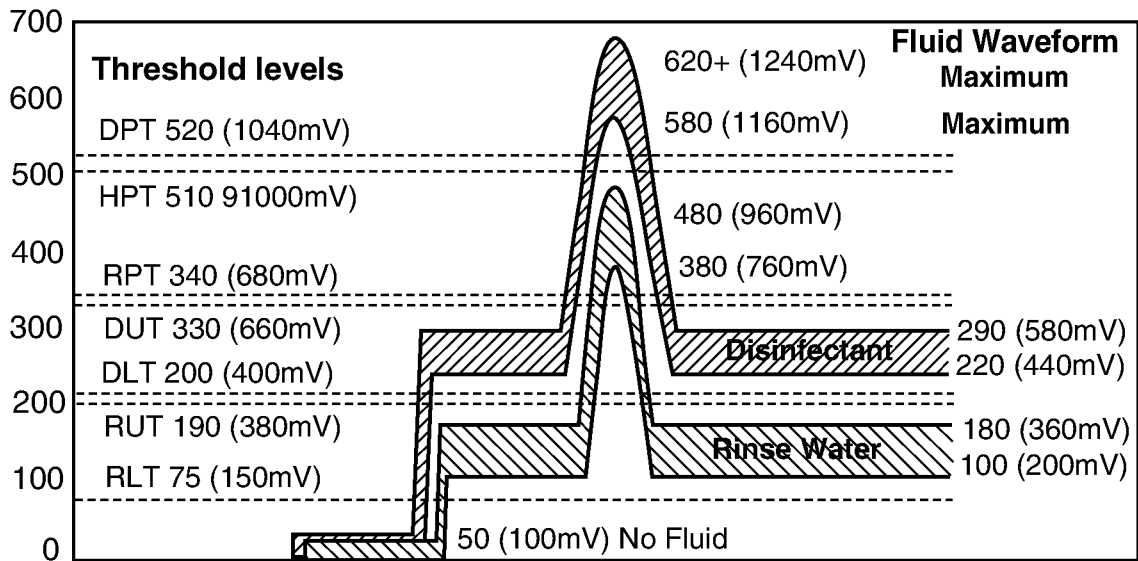


FIG. 35

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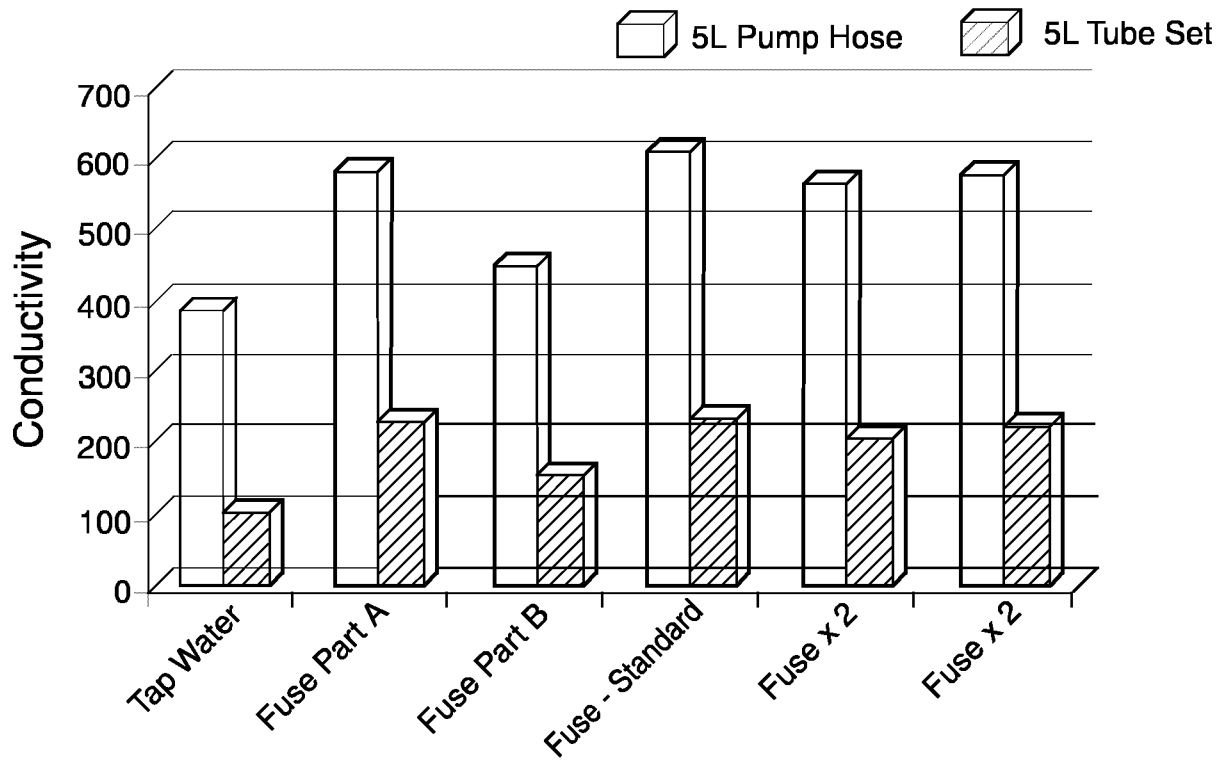


FIG. 36

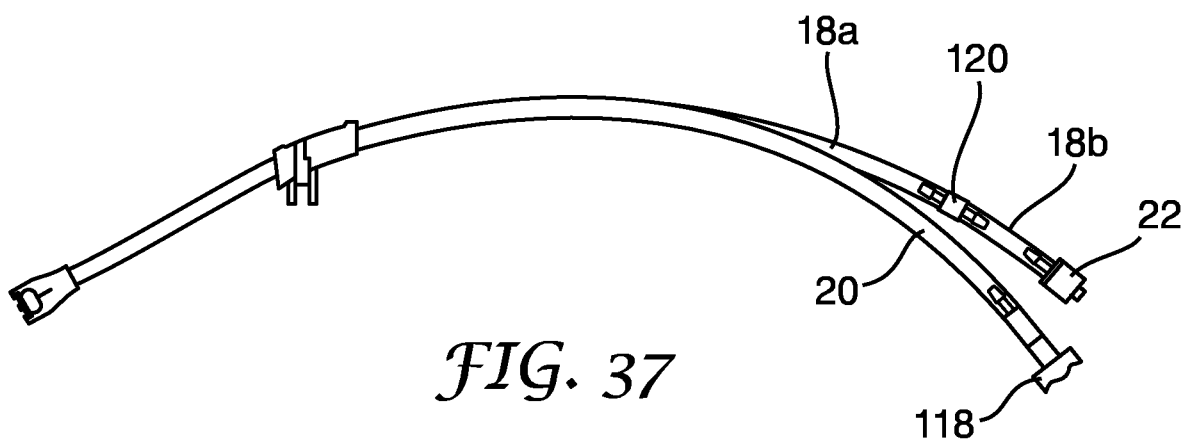


FIG. 37