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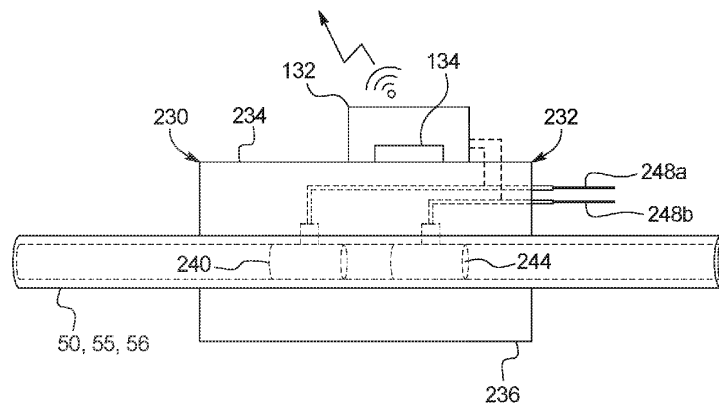


FIG. 13

(57) Abstract: Peritoneal dialysis, such as automated peritoneal dialysis ("APD") is provided with any one or more or all of the following sensing or feedback features: impedance sensing to detect peritonitis, temperature sensing to detect peritonitis, bio-MEMS sensing to detect peritonitis, and glucose control for diabetes patients, wherein each sensing or feedback feature analyzes patient effluent fluid or fluid dwelling within a patient's peritoneal cavity.

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