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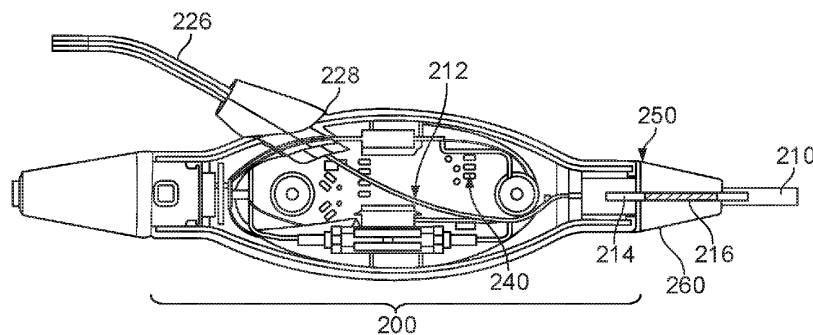


FIG. 2

(57) Abstract: Systems and methods are described herein relating to an intracardiac blood pump system comprising a pump, an elongate multi-lumen catheter, a compartment connected to the catheter, a first lumen, a conduit and a filter disposed within the conduit. At least one electronic element is located within the compartment. The conduit extends through an interface between the compartment and the catheter. The conduit is configured to allow gas to penetrate from a first end of the conduit through the first opening of the compartment to a second end of the conduit. The second end of the conduit is in fluid communication with a central lumen of the elongate multi-lumen catheter. The filter is configured to prevent egress of liquid from the multi-lumen catheter into the compartment after allowing flow of gas from the first end of the conduit through the second end of the conduit and into the multi-lumen catheter.



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