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(54) Title: VENTRICULAR ASSIST DEVICE HAVING PRESSURE SENSOR EMBEDDED DURABLE DISPLACEMENT
BLOOD PUMP

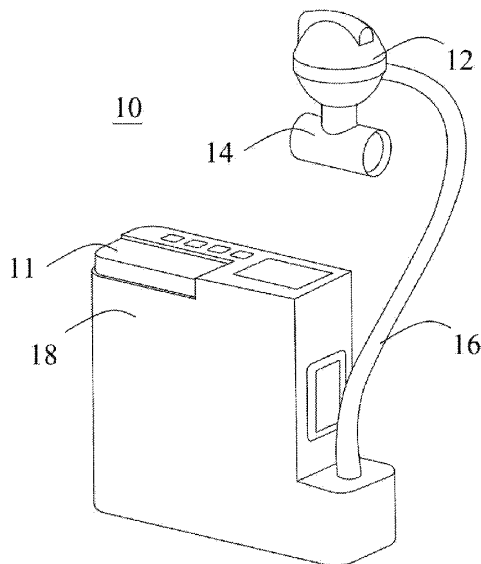


FIG. 1

(57) Abstract: A ventricular assist device is provided, including a blood pump, a driveline and a feedthrough. The blood pump includes a pump housing, an axi-symmetric oval-shaped blood sac and stem assembly received in the pump housing, and a pressure sensing system embedded in the pump housing. The driveline includes a pneumatic lumen, at least one electric wire and a tether included in a wall of the driveline, wherein the electric wires and the tether are disposed on the pneumatic lumen. The feedthrough connects the driveline to the pump housing.

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