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(54) Title: PRESSURE SENSOR WITH REAL TIME HEALTH MONITORING AND COMPENSATION

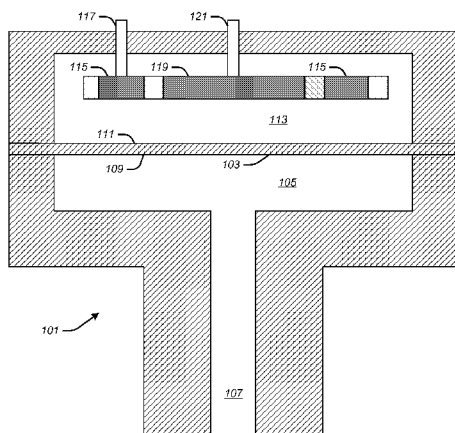


FIG. 1A

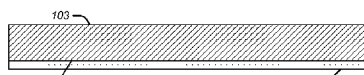


FIG. 1B

(57) Abstract: A pressure sensor may measure gas or liquid pressure. A chamber may have an inlet that receives the gas or liquid. A flexible diaphragm may be within the chamber that has a surface exposed to the gas or liquid after it flows through the inlet. A pressure sensor system may sense changes in the flexible diaphragm caused by changes in the pressure of the gas or liquid. A pressure-insensitive sensor system may sense changes in the flexible diaphragm that are not caused by changes in the pressure of the gas or liquid. The pressure-insensitive sensor system may be insensitive to changes in the flexible diaphragm caused by changes in the pressure of the gas or liquid.



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