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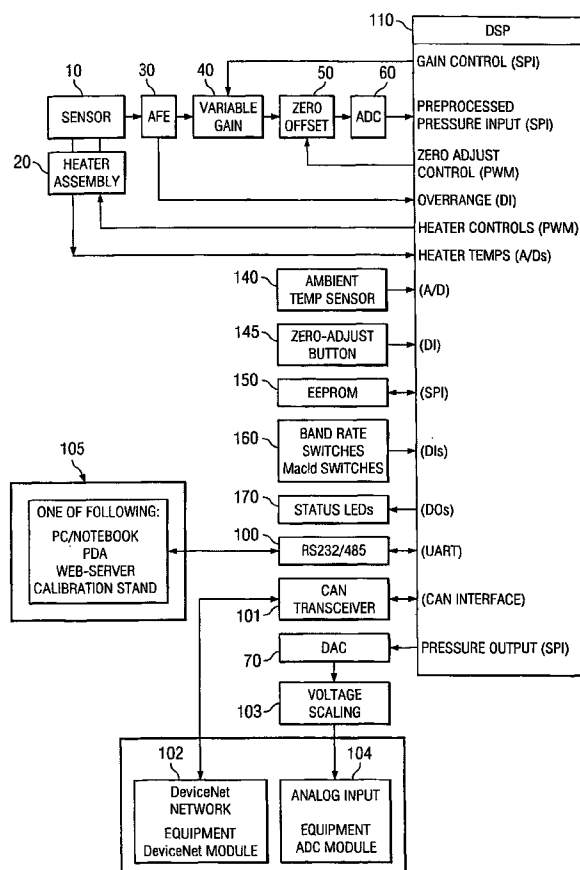
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(54) Title: DIGITALLY CONTROLLED SENSOR SYSTEM



(57) Abstract: Systems and methods for digitally controlling sensors, one embodiment being a digital controller for a capacitance diaphragm gauge which is embedded in a digital signal processor (DSP). The digital controller receives digitized input from a sensor AFE (30) via a variable gain module, a zero offset module and an analog-to-digital converter. The controller automatically calibrates the received input by adjusting the variable gain and zero offset modules.



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