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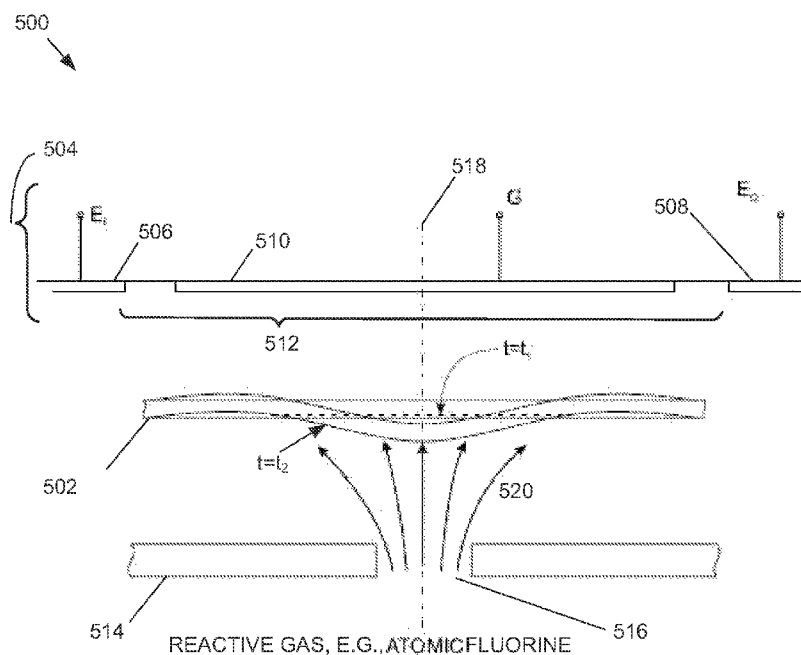
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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(54) Title: PRESSURE SENSOR



(57) Abstract: One or more reactive gases are introduced to a capacitance manometer at a particular area or areas between the inner and outer capacitive electrodes so the error-inducing measurement effects of positive and negative bending is neutralized or minimized. Additionally, a guard structure may be used for the electrode structure of the capacitance manometer. The guard structure presents an area that is relatively insensitive to the diffusion of the gas into the diaphragm and the resulting changing surface tension, curvature and deflection, thus providing increased or optimal stability of the zero reading and pressure reading of the manometer. The guard may also provide electrostatic isolation of the electrodes.



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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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