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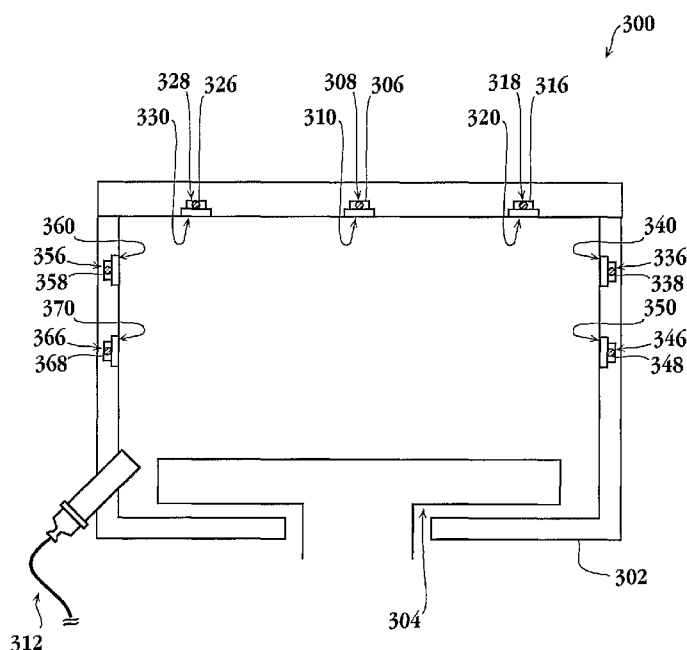
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(54) Title: ACCURATE TEMPERATURE MEASUREMENT FOR SEMICONDUCTOR APPLICATIONS



(57) Abstract: A temperature sensing component enables accurate in situ temperature measurement. The temperature sensing component is disposed within the process chamber. The temperature sensing component has a cavity, in which a transparent cover is disposed over an opening of the cavity. A material is disposed within the cavity of the temperature sensing component, and a sensor is configured to sense a phase change of the material through the transparent cover.

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