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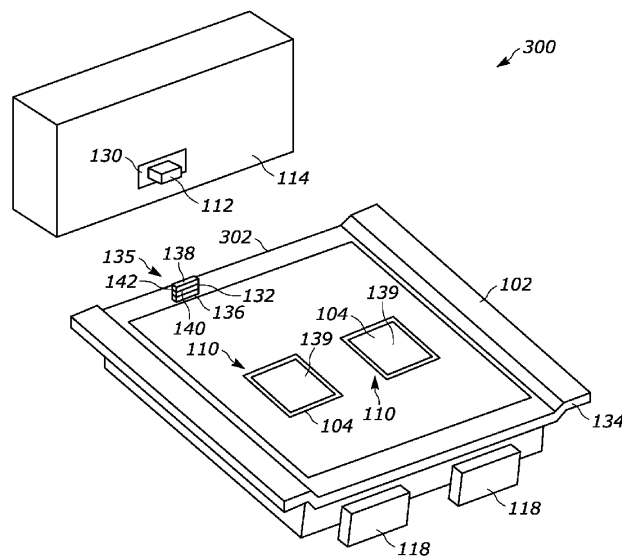


FIG. 2

(57) Abstract: Systems and related temperature calibration methods. In accordance with a first implementation, an apparatus includes a flow cell interface, a temperature control device, an infrared sensor, and a controller. The flow cell interface includes a flow cell support and the temperature control device is for the flow cell support. The controller is to command the temperature control device to cause the flow cell support to achieve a temperature value, cause the infrared sensor to measure an actual temperature value of the flow cell support, and calibrate the temperature control device based on a difference between the commanded temperature value and the actual temperature value.

[Continued on next page]

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