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(71) Applicant: **APPLIED MATERIALS, INC.** [US/US];
3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) Inventors: **HILKENE, Martin**; 1353 Pheasant Drive,
Gilroy, CA 95020 (US). **HOWELLS, Samuel**; 3327 SE 43
Avenue, Portland, OR 97206 (US).

(74) Agent: **BERNADICOU, Michael, A.** et al.; Schwabe,
Williamson & Wyatt, P.C., 1211 SW 5th Avenue, Suite
1900, Portland, OR 97204 (US).

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(54) Title: METHOD TO MEASURE RADICAL ION FLUX USING A MODIFIED PIRANI VACUUM GAUGE ARCHITECTURE

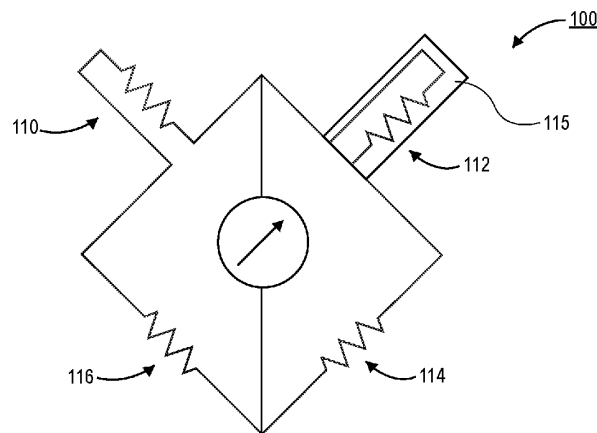


FIG. 1

(57) **Abstract:** Embodiments disclosed herein include, a sensor for detecting radical ion flux. In an embodiment, the sensor comprises a first resistor, where the first resistor comprises a length of wire of a first catalytic composition. In an embodiment, a second resistor is electrically coupled to the first resistor, where the second resistor comprises a length of wire of the first catalytic composition. In an embodiment, the second resistor is coated with a non-catalytic material. In an embodiment, the sensor further comprises a third resistor electrically coupled to the second resistor, and a fourth resistor electrically coupled to the first resistor and the third resistor.

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