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(71) Applicant: BROOKS AUTOMATION, INC. [US/US];
15 Elizabeth Drive, Building 11, Chelmsford, MA 01824
(US).

(72) Inventor: BRUCKER, Gerardo, A.; 2214 Harvard Court,
Longmont, CO 80503 (US).

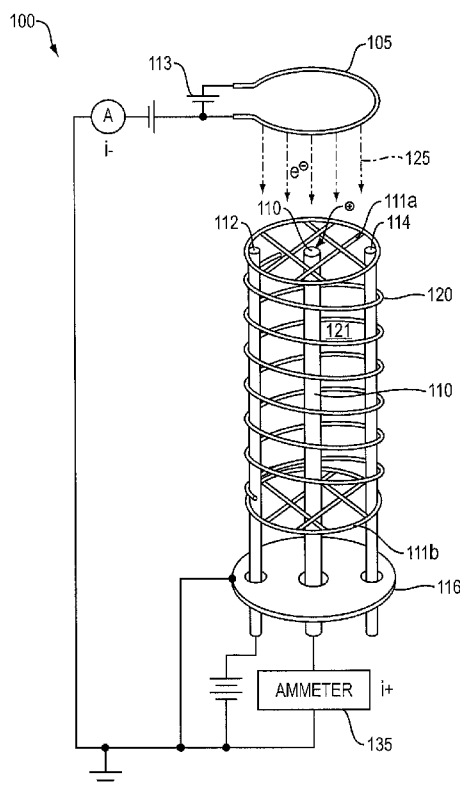
(74) Agents: SMITH, James, M. et al.; Hamilton, Brook,
Smith & Reynolds, P.C., 530 Virginia Rd, P.O. Box 9133,
Concord, MA 01742-9133 (US).

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(54) Title: IONIZATION GAUGE FOR HIGH PRESSURE OPERATION



(57) Abstract: An ionization gauge to measure pressure, while controlling the location of deposits resulting from sputtering when operating at high pressure, includes at least one electron source that emits electrons, and an anode that defines an ionization volume. The ionization gauge also includes a collector electrode that collects ions formed by collisions between the electrons and gas molecules and atoms in the ionization volume, to provide a gas pressure output. The electron source can be positioned at an end of the ionization volume, such that the exposure of the electron source to atom flux sputtered off the collector electrode and envelope surface is minimized. Alternatively, the ionization gauge can include a first shade outside of the ionization volume, the first shade being located between the electron source and the collector electrode, and, optionally, a second shade between the envelope and the electron source, such that atoms sputtered off the envelope are inhibited from depositing on the electron source.



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— *of inventorship (Rule 4.17(iv))*

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