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3050 Bowers Avenue, Santa Clara, California 95054 (US).
MORADIAN, Ala; c/o Applied Materials, Inc., Law Dept.,
M/S 1269, 3050 Bowers Avenue, Santa Clara, California
95054 (US).

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(74) Agent: **PATTERSON, B. Todd** et al.; PATTERSON +
SHERIDAN LLP, 24 Greenway Plaza, Suite 1600, Hous-
ton, Texas 77046 (US).

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

(72) Inventors: **CONG, Zhepeng**; c/o Applied Materials, Inc.,
Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara,
California 95054 (US). **SHENG, Tao**; c/o Applied Mate-
rials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue,
Santa Clara, California 95054 (US). **LUAN, Xinning**; c/o
Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bow-
ers Avenue, Santa Clara, California 95054 (US). **CHOO,
Enle**; c/o Applied Materials, Inc., Law Dept., M/S 1269,

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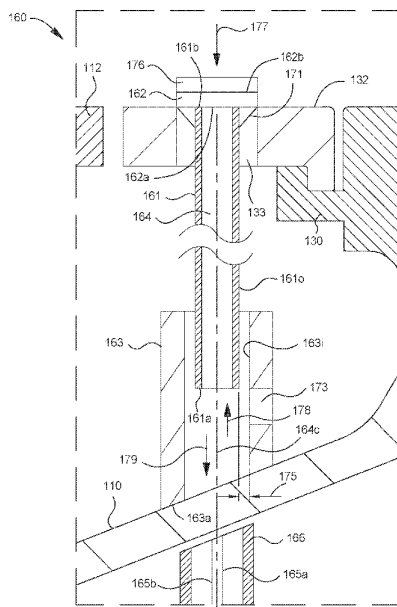


FIG. 1B

(57) Abstract: Embodiments disclosed herein generally relate to in situ monitoring of film growth in processing chambers. In some examples, a sensor assembly for a processing chamber includes a sensor tube including silicon carbide and having an optical path therein and a sensor window including crystalline silicon carbide and having a proximal side coupled to a distal end of the sensor tube. The sensor window covers the optical path, and a distal side of the sensor window facing away from the proximal side is perpendicular to a center axis of the optical path.

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