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- (71) **Applicant:** **APPLIED MATERIALS, INC.** [US/US];
3050 Bowers Avenue, Santa Clara, California 95054 (US).
- (72) **Inventors:** **GANDIKOTA, Srinivas**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **GUNG, Tza-Jing**; c/o

Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **GOTTHEIM, Samuel E.**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **FRANKLIN, Timothy Joseph**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **MANNA, Pramit**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **VENKATASUBRAMANIAN, Eswaranand**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **HAYWOOD, Edward**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US). **GARNER, Stephen C.**; c/o Applied Materials, Inc., Law Dept., M/S 1269, 3050 Bowers Avenue, Santa Clara, California 95054 (US).

(54) **Title:** MAGNETIC HOUSING SYSTEMS

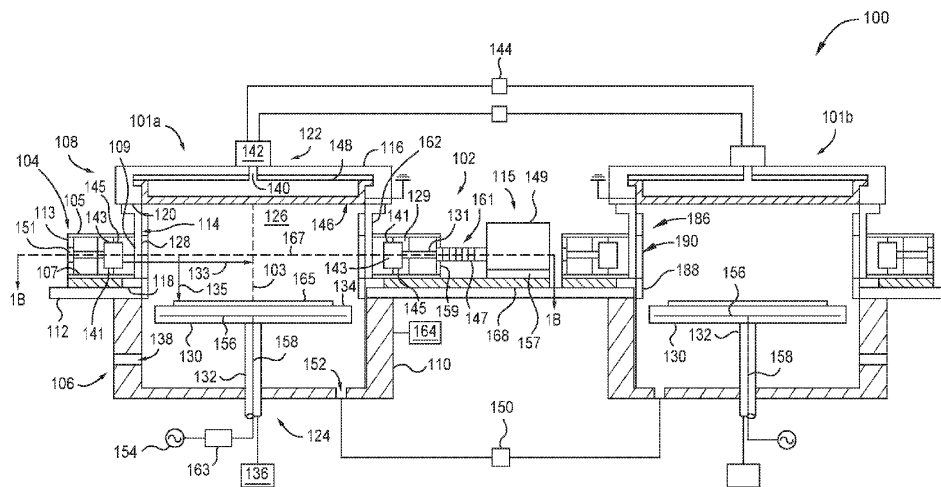


FIG. 1A

(57) **Abstract:** Embodiments described herein relate to magnetic and electromagnetic systems and a method for controlling the density profile of plasma generated in a process volume of a PECVD chamber to affect deposition profile of a film. In one embodiment, a plurality of retaining brackets is disposed in a rotational magnetic housing of the magnetic housing systems. Each retaining bracket of the plurality of retaining brackets is disposed in the rotational magnetic housing with a distance d between each retaining bracket. The plurality of retaining brackets has a plurality of magnets removably disposed therein. The plurality of magnets is configured to travel in a circular path when the rotational magnetic housing is rotated around the round central opening.

[Continued on next page]

(74) **Agent: DOUGHERTY, Chad M.** et al.; PATTERSON + SHERIDAN LLP, 24 Greenway Plaza, Suite 1600, Houston, Texas 77046 (US).

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