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(71) Applicant: **LAM RESEARCH CORPORATION**
[US/US]; 4650 Cushing Parkway, M/S CA-1, Fremont, California 94538 (US).

(72) Inventors: **XU, Lin**; 151 Leal Way, Fremont, California 94539 (US). **WETZEL, David Joseph**; 1745 Nantucket Circle, Santa Clara, California 95054 (US). **SRINIVASAN, Satish**; 6209 Escallonia Drive, Newark, California 94560 (US). **KOSHY, Robin**; 5359 Nordica Avenue, Fremont, California 94536 (US). **KERNS, John Michael**; 32 Alden Lane, Livermore, California 94550 (US). **DAUGHERTY,**

John; 1809 Blackfoot Drive, Fremont, California 94539 (US).

(74) Agent: **CHEN, Tina**; BEYER LAW GROUP LLP, P.O. Box 51887, Palo Alto, California 94303-1887 (US).

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(54) Title: YTTRIUM ALUMINUM COATING FOR PLASMA PROCESSING CHAMBER COMPONENTS

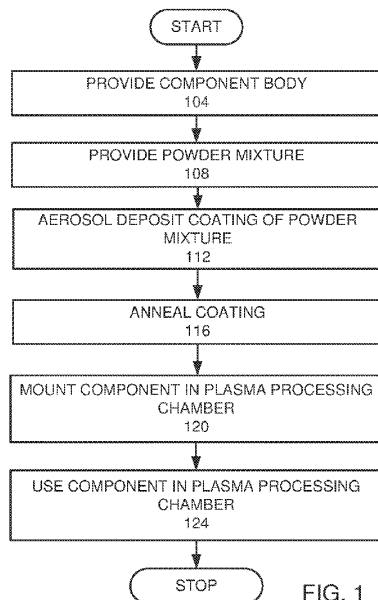


FIG. 1

(57) Abstract: A component of a plasma processing chamber having a coating on at least one surface that comprises yttrium aluminum. The coating is an aerosol deposited coating from a powder mixture of an yttrium oxide powder and an aluminum-containing powder and having an yttrium to aluminum ratio of 4:1 to 1:4 by molar number. The coating can be annealed to form a porous ternary oxide.

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