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1390 Saddle Rack Street, Unit #225, San Jose, CA 95126 (US).

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(74) Agent: **ZEBRAK, Ira, Lee**; The BOC Group, Inc., 575 Mountain Avenue, Murray Hill, NJ 07974 (US).

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(71) Applicant (for all designated States except US): **THE BOC GROUP, INC.** [US/US]; 575 Mountain Avenue, Murray Hill, NJ 07974 (US).

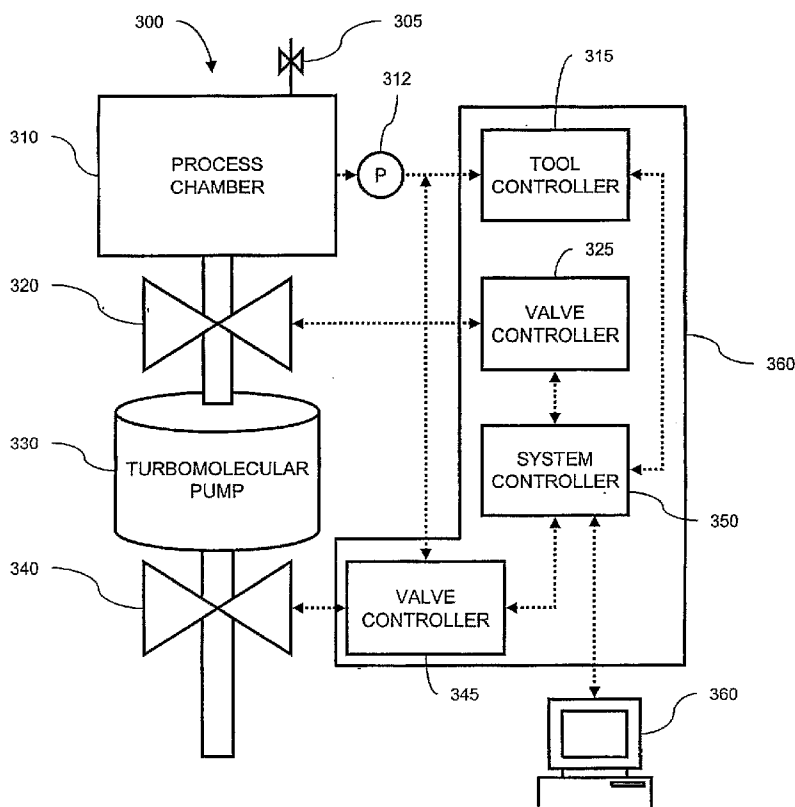
(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOLLAND, Peter, John** [GB/US]; 3751 Kamp Drive, Pleasanton, CA 94588 (US). **WILSON, Kate** [GB/US]; 1005 Villa St., Mountain View, CA 94041 (US). **STEPHENSON, Dawn** [GB/US];

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(54) Title: WIDE RANGE PRESSURE CONTROL USING TURBO PUMP



(57) Abstract: The present invention is an apparatus and method for controlling a process flow rate and a pressure in a vacuum process chamber that is evacuated by a turbomolecular pump. A throttle valve between the pump and the process chamber is controlled to regulate the pressure and flow rate. A backing valve downstream of the pump is also controlled to maintain the setting of the throttle valve within a preferred, stable operating range.

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