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(71) **Applicant (for all designated States except US):** **FATS, INC.** [US/US]; 7349 McGinnis Ferry Road, Suwanee, GA 30024 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants (for US only):** **WILSON, Henry, Martin, Jr.** [US/US]; 2070 Skylar Leigh Drive, Buford, GA 30518 (US). **FLEMING, Paul, Heath** [US/US]; 5707 Manuel Place, Sugarhill, GA 30518 (US). **METCALFE, Corey, Howard** [US/US]; 281 Cushing Drive, Savannah, GA 31406 (US).

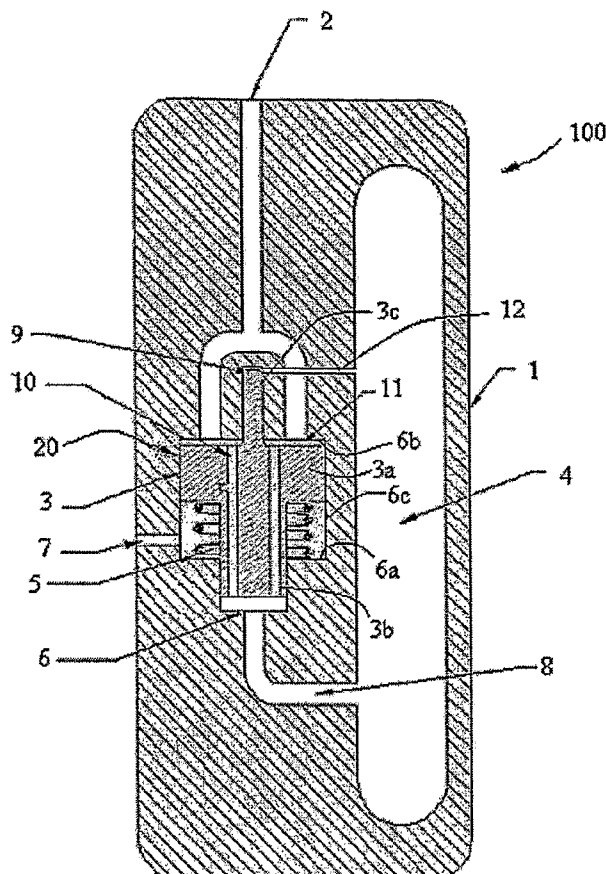
(74) **Agent:** **HOLLAND, Christopher, A.;** Smith Gambrell & Russell LLP, 1230 Peachtree Street, N.E., Suite 3100, Promenade II, Atlanta, GA 30309 (US).

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(54) Title: REGULATED GAS SUPPLY SYSTEM



(57) Abstract: A regulated gas supply system having a body defining a pressurized gas reservoir connected to a high-pressure regulator that regulates the high pressure gas from the gas reservoir to disperse the gas at a desired pressure. The gas regulating assembly includes a piston chamber with a piston slidably positioned in the piston chamber, the piston chamber having a secondary chamber connected to the gas reservoir. A spring is positioned between one side of the piston and the piston chamber, with the piston including a piston channel to allow pressurized gas to flow through the piston. Pressure is developed on the piston opposite the spring that is proportional to the force of the spring, providing a balanced piston.



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