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(71) Applicant (for all designated States except US): **MICRO MOTION, INC.** [US/US]; 7070 Winchester Circle, Boulder, CO 80301 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PANKRATZ, Anthony, William** [US/US]; 17550 W. 63rd Drive, Arvada, CO 80403 (US). **WEINSTEIN, Joel** [US/US]; 2954 Kalmia Avenue, Apt. 40, Boulder, CO 80301 (US).

(74) Agents: **WILBERT, David, W.** et al.; The Ollila Law Group LLC, 2569 Park Lane, Suite 202, Lafayette, Colorado 80026 (US).

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(54) Title: METHOD AND APPARATUS FOR DETERMINING A FLOW RATE ERROR IN A VIBRATING FLOW METER

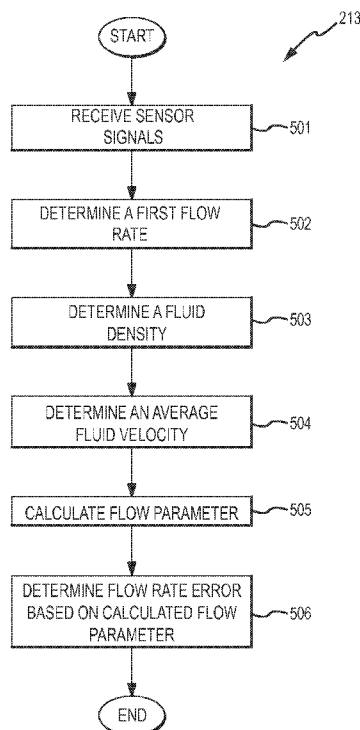


FIG. 5

(57) Abstract: A method for determining an error in a flow rate of a fluid flowing through a vibrating flow meter is provided. The method includes the step of receiving sensor signals from the vibrating flow meter. A first flow rate is determined using the sensor signals. A fluid density is determined. A fluid velocity is determined using the first flow rate, the fluid density, and a physical property of the flow meter. A flow parameter, V/p is calculated based on the fluid velocity and the density. A flow rate error is then determined based on the calculated flow parameter.



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