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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): **WEINSTEIN, Joel** [US/US]; 2954 Kalmia Avenue, Apt. 40, Boulder, CO 80301 (US). **HAYS, Paul, J.** [US/US]; 4091 Longhorn Drive, Lafayette, CO 80026 (US).(74) Agents: **WILBERT, David, W.** et al.; The Ollila Law Group LLC, 2569 Park Lane, Suite 202, Lafayette, CO 80026 (US).

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(54) Title: METHOD AND APPARATUS FOR DETERMINING DIFFERENTIAL FLOW CHARACTERISTICS OF A MULTIPLE METER FLUID FLOW SYSTEM

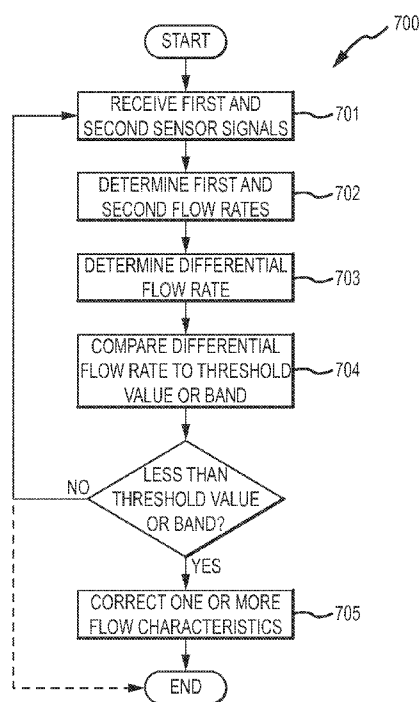


FIG. 7

(57) Abstract: A fluid flow system (300) is provided. The fluid flow system (300) includes a pipeline (302) with a flowing fluid. The fluid flow system (300) further includes a first vibrating meter (5) including a first sensor assembly (10) located within the pipeline (302) and configured to determine one or more flow characteristics, including a first flow rate. A second vibrating meter (5') including a second sensor assembly (10') located within the pipeline (302) is provided that is in fluid communication with the first sensor assembly (10) and configured to determine one or more flow characteristics, including a second flow rate. The fluid flow system (300) further includes a system controller (310) in electrical communication with the first and second vibrating meters (5, 5'). The system controller (310) is configured to receive the first and second flow rates and determine a differential flow rate based on the first and second flow rates. The system controller (310) is further configured to compare the differential flow rate to a threshold value or band and correct one or more flow characteristics if the differential flow rate is less than a threshold value or band.



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