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(71) Applicant: **LANDIS+GYR INNOVATIONS, INC.**
[US/US]; 30000 Mill Creek Avenue, Suite 100, Alpharetta,
Georgia 30022 (US).

(72) Inventor: **RADGOWSKI, John**; 30000 Mill Creek Avenue, Suite 100, Alpharetta, Georgia 30022 (US).

(74) Agent: **HOLMES, Brenda, O.** et al.; Kilpatrick Townsend & Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309 (US).

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(54) Title: VARIABLE RATE MONITORING IN FLOW-BASED METERING SYSTEMS

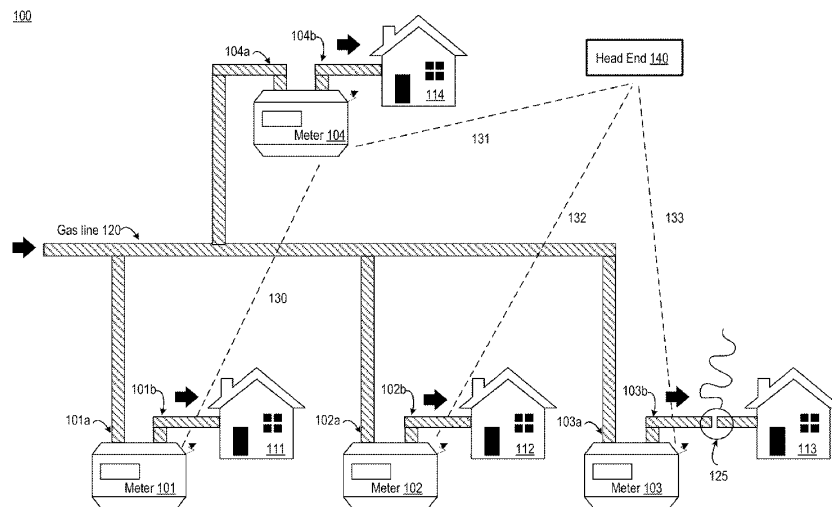


FIG. 1

(57) Abstract: Certain aspects and features include techniques for reporting resource flow at a metering device. In an example, a metering device measures resource flow by measuring a pressure or a flow rate. The metering device sets a reporting rate to a default reporting rate. The metering device transmits communications indicating the measured resource flow to an external device at the reporting rate. The metering device detects seismic activity at the metering device. The metering device determines that the seismic activity exceeds a seismic threshold. The metering device, in response to determining that the seismic activity exceeds the seismic threshold, adjusts the reporting rate to an event reporting rate, and starts an event time period. The metering device, transmits communications indicating the measured resource flow to the external device at the event reporting rate during the event time period.

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