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(54) Title: FLOWMETER PHASE FRACTION AND CONCENTRATION MEASUREMENT ADJUSTMENT METHOD AND APPARATUS

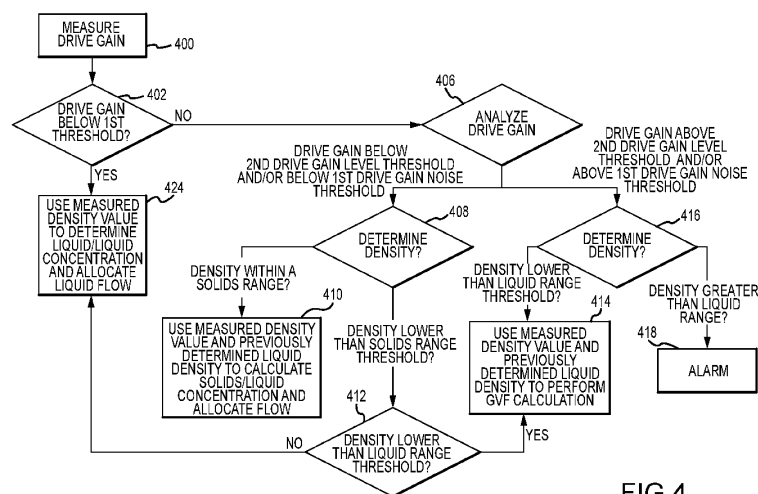


FIG.4

(57) Abstract: A vibratory meter (5) is provided, having a driver (104) and a vibratory member (103, 103') vibratable by the driver (104). At least one pickoff sensor (105, 105') is configured to detect vibrations of the vibratory member (103, 103'). Meter electronics (20) comprise an interface (301) configured to receive a vibrational response from the at least one pickoff sensor (105, 105'), and a processing system (303) coupled to the interface (301). The processing system (303) is configured to measure a drive gain (306) of the driver (104), and measure a total density (325) of a multiphase process fluid in the vibratory meter (5), and determine whether the drive gain (306) is below a first threshold. A liquid/liquid phase concentration allocation is determined with the measured total density (325) if the drive gain (306) is below the first threshold, and a flow rate for each liquid phase is calculated.

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