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(54) **Title:** METHOD AND APPARATUS FOR DETERMINING AND COMPENSATING FOR A CHANGE IN A DIFFERENTIAL ZERO OFFSET OF A VIBRATING FLOW METER

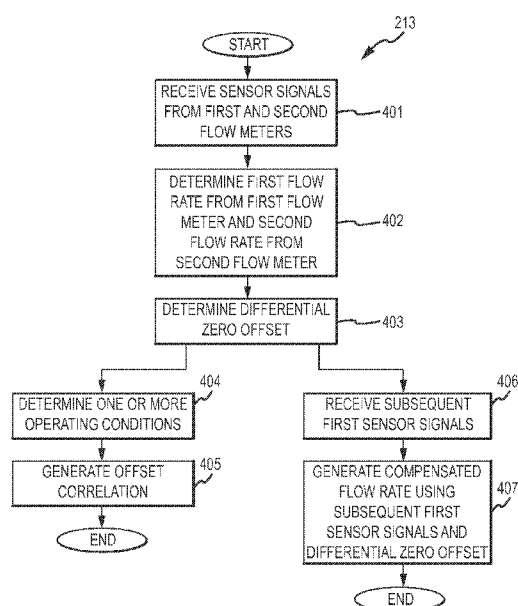


FIG. 4

(57) **Abstract:** A method for operating a vibrating flow meter system is provided. The method includes the step of receiving a first sensor signal from a first vibrating flow meter. A second sensor signal is received from a second vibrating flow meter. A first flow rate is generated from the first sensor signal and a second flow rate is generated from the second sensor signal. The method further includes the step of determining a differential zero offset of the first vibrating flow meter based on the first and second flow rates.



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