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

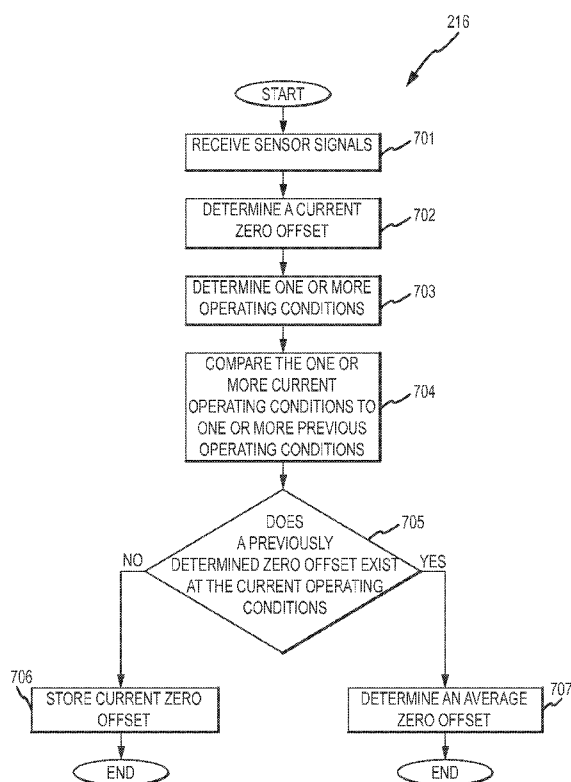


FIG. 7

(57) **Abstract:** A method and apparatus for operating a vibrating flow meter is provided. The method comprises the steps of receiving sensor signals from the vibrating flow meter and determining a current zero offset for the vibrating flow meter. The current zero offset can be determined based on the received sensor signals. The method also comprises the step of determining one or more current operating conditions. The one or more current operating conditions can be compared to one or more previous operating conditions of the offset correlation. The method also includes the step of generating an average zero offset if the offset correlation includes a previously determined zero offset corresponding to the current operating conditions. The average zero offset can be based on the current zero offset and the previously determined zero offset.



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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*