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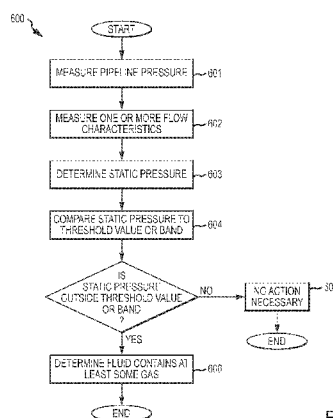
(54) Title: METHOD AND APPARATUS FOR DETERMINING AND CONTROLLING A STATIC FLUID PRESSURE
THROUGH A VIBRATING METER

FIG. 6

(57) Abstract: A method for operating a fluid flow system (300) is provided. The fluid flow system (300) includes a fluid flowing through a pipeline (301), a first pressure sensor (303) located within the pipeline (301), and a vibrating meter (5). The vibrating meter (5) includes a sensor assembly (10) in fluid communication with the first pressure sensor (303). The method includes steps of measuring a pressure of the fluid within the pipeline (301) using the first pressure sensor (303) and measuring one or more flow characteristics of the fluid using the vibrating meter (5). The method further includes a step of determining a static pressure of the fluid based on the pressure of the fluid within the pipeline (301) and the one or more flow characteristics. The method further includes a step of determining if the fluid contains at least some gas based on the static pressure of the fluid.