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(54) **FLOW METER PICKOFF ASSEMBLY AND FLOW METER PICKOFF ADJUSTMENT METHOD FOR NULLING FLOW METER ZERO OFFSET**

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See application file for complete search history.

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(57) **ABSTRACT**

A flow meter pickoff assembly for nulling a flow meter zero offset is provided. The flow meter pickoff assembly includes a mounting device affixed to a first flow meter portion of a flow meter and a first pickoff sensor half adjustably affixed to the mounting device and configured to interact with a second pickoff sensor half affixed to a second flow meter portion. At least one relative angle of the first pickoff sensor half in relation to the second pickoff sensor half can be adjusted by adjusting the first pickoff sensor half to the mounting device according to at least one adjustment axis. The flow meter pickoff assembly further includes an adjustment means for enabling the first pickoff sensor half to adjust with respect to the mounting device along the at least one adjustment axis in order to adjust the at least one relative angle.

32 Claims, 15 Drawing Sheets

