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(54) **MASS FLOW MEASUREMENT DEVICE**

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(52) **U.S. Cl.** **73/861.355**

(58) **Field of Classification Search** **73/861.354, 73/861.355, 861.356, 861.357**
See application file for complete search history.

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(57) **ABSTRACT**

A mass flow measurement device includes a flow sensor tube and a housing having the flow sensor tube situated therein. A drive device is positioned outside the housing for vibrating the flow sensor tube, and at least one pick off sensor is situated relative to the flow sensor tube so as to measure the twist in the flow sensor tube due to Coriolis force. Another mass flow measurement device includes an enclosure having first and second ends. A first sealing member is situated relative to the enclosure first end and a flow body such that the flow body and the first end are connected in a sealed manner. A second sealing member is situated relative to the enclosure second end and a user interface assembly such that the user interface assembly and the second end are connected in a sealed manner.

14 Claims, 16 Drawing Sheets

