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(54) Title: GAS FLOW SENSOR HOUSING AND ASSEMBLY PROVIDING REDUCED TURBULENCE

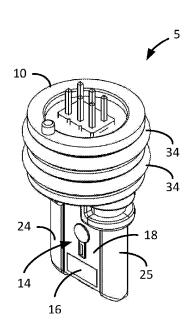


FIG. 1

(57) Abstract: A gas flow sensor housing and assembly including a gas flow sensor for measuring gas flow is disclosed. The housing includes a gas flow sensor mounting portion having a recess configured for mounting the gas flow sensor therein. The sensor includes a gas flow sensing element mounted to a substrate which is within the recess so as to avoid turbulence in the vicinity of the sensing element resulting from impingement of gas flow on a blunt or rough edge of the substrate. The gas flow sensor mounting portion includes opposed first and second edge portions, at least one of which is smoothly contoured to reduce turbulence in the vicinity of the sensing element. A method for measuring gas flow is also disclosed that employs the disclosed housing and sensor assembly.



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