

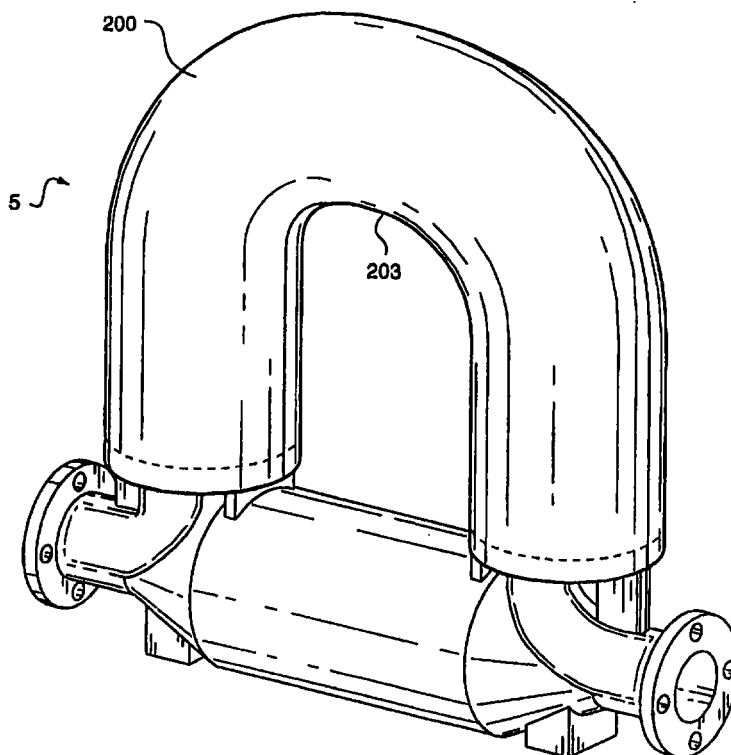


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(54) Title: A CORIOLIS FLOWMETER HAVING AN EXPLOSION PROOF HOUSING**(57) Abstract**

A system enclosing a Coriolis flowmeter in a explosion proof housing. The explosion proof housing is structured in a way that the housing can withstand an explosion of volatile material inside the housing. The explosion proof housing prevents sparks and heat inside the housing from igniting volatile material outside the housing. Any gaps or openings in the explosion proof housing provide a flame path of sufficient length to cool a flame or hot material escaping from the housing. The use of the secondary housing as an explosion proof compartment allows the use of a driver having greater power as well as conventional leads inside the housing.



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