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Jobson

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[54] FLUID CONTROLLED ISOKINETIC FLUID SAMPLER

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[73] Assignee: **The United States of America as represented by the Secretary of the Interior, Washington, D.C.**

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[57] ABSTRACT

A sampler for obtaining an isokinetic sample of a flowing fluid. A liquid-filled, fluid-tight container has a deflated bag within it. The sampler is positioned within the flowing fluid stream, and the liquid is pumped from the container at a rate proportional to the flow rate of the flowing fluid to draw a sample of the fluid into the bag at the same rate as the flow rate of the flowing fluid. When the bag is filled it can be removed from the container and the container inlet tube replaced, allowing the sampler to be used for another sample without laborious cleaning in the field.

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[51] Int. Cl.⁶ **G01N 1/20**

[52] U.S. Cl. **73/863.03; 73/864.34**

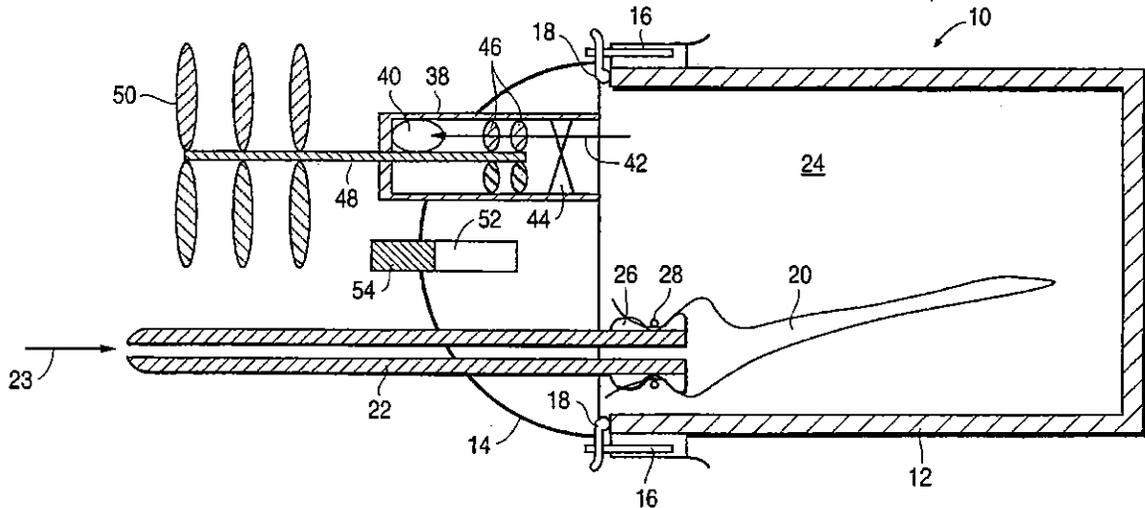
[58] Field of Search **73/863.02, 863.03, 73/864.34, 864.35**

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10 Claims, 2 Drawing Sheets



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