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Greenler et al.

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- [54] **SHEET FLOW FLUID SAMPLING APPARATUS**
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- [58] **Field of Search** **137/624.11. 624.12. 137/624.15. 392; 206/219; 422/102. 104. 100. 99; 436/180**

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[57] **ABSTRACT**

An apparatus periodically samples fluid flowing across a surface by providing a plate for mounting flush with the surface. The plate has an aperture extending there through and a tubular body extends from the around the aperture with a passage in communication with the aperture. A sample collection vessel is removably attached to the body to receive fluid passing through the aperture and the passage. A valve member closes the aperture and moves when driven by an electromechanical device. The electromechanical device operates the valve member to alternately open and close the aperture during a defined sampling time to acquire a plurality of samples of the fluid flowing across the surface.

9 Claims, 3 Drawing Sheets

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