

[54] **LIQUID SAMPLING**

2,412,723 12/1946 Elliott.....417/138

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[57] **ABSTRACT**

[22] Filed: **Apr. 14, 1972**

Repetitive sampling of liquid from a body thereof is controlled in frequency, dependent upon the depth of the liquid being sampled, so as to accord with the volume of the body thereof. Such depth-proportioning is accomplished, in a system using pressurized gas as a propulsion fluid and determining sampling frequency by gradual release thereof from a source to accumulate to a switching pressure at a given location, through bleeding off part of the accumulating gas against the back pressure of the depth of liquid. Principal uses are in stream monitoring for pollution control, in sewage treatment facilities, and in industrial waste reduction programs.

[21] Appl. No.: **244,105**

[52] U.S. Cl. ....73/421 B, 417/138

[51] Int. Cl. ....G01n 1/14

[58] Field of Search .....73/421 B; 417/143,  
417/145, 146, 147, 144, 138, 141

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**17 Claims, 4 Drawing Figures**

