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# United States Patent [19] Dudley

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## [54] LIQUID SAMPLING APPARATUS FOR CONDUIT LIQUID FLOW

- [75] Inventor: **Lynn A. Dudley**, Chino, Calif.
- [73] Assignee: **Vortex Company**, Claremont, Calif.
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- [52] U.S. Cl. .... **73/863.52; 73/863.81**
- [58] Field of Search ..... **73/863.52, 863.81**

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Primary Examiner—Thomas P. Noland  
Attorney, Agent, or Firm—Boniard I. Brown

### [57] ABSTRACT

Liquid flowing through a conduit is sampled for analysis by positioning within the conduit a removable liquid sampling device having a liquid sample collection chamber and an inlet to the chamber opening to the interior of the conduit below the liquid level in the conduit such that liquid enters the chamber from the conduit, and when the collection chamber contains a liquid sample of desired volume, removing the sampling device from the conduit for shipment to a laboratory where the collected sample is analyzed. Wet season and dry season water sampling embodiments of the invention are described for sampling water within a storm drain system during high water flow wet seasons and low water flow dry seasons to monitor for the presence of and to locate the sources of toxic substances and other contaminants in the water.

39 Claims, 3 Drawing Sheets

