

[54] CONTINUOUS AUTOMATIC LIQUID SAMPLER

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[57] ABSTRACT

This invention concerns the continuous automatic sampling of a flowing fluid.

The sampler comprises a number of bottles initially filled with an auxiliary fluid of lower density than the fluid to be sampled, and inert in relation to it; each bottle is connected to a central suction pump with an adjustable uniform flow-rate by an electro-valve controlled by a programmed clock, and each bottle is also fitted with a tube conveying liquid to it from a container forming part of a branch circuit from the main flow of liquid; this tube siphons the liquid into each bottle, and it contains an aperture above the maximum level reached by the sample fluid.

The main applications of this invention are in the testing of factory effluents and canal and river pollution.

5 Claims, 2 Drawing Figures

