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Abstract

5 APPARATUS FOR DISPENSING PRECISE VOLUMES OF A LIQUID

10 An apparatus is provided for delivering precise volumes of a
sample liquid. A piston is moved linearly into a first
chamber containing an incompressible hydraulic liquid. The
chamber includes one wall formed of a flexible diaphragm.
The diaphragm separates the first chamber from a second
chamber containing a sample liquid. The degree of expansion
of the diaphragm and dispensing of the sample liquid from the
15 second chamber are dependent upon the position of the piston
within the first chamber.

Fig. 1