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(54) Title of the Invention: **Apparatus and method for representative fluid sampling**
Abstract Title: **Apparatus and method for representative fluid sampling**

(57) Apparatus and method for collecting and preserving in representative condition a fluid sample from a reservoir which comprises: positioning a sample receptacle in the vicinity of a subterranean zone to be sampled, allowing or causing the sample to first flow into the sample receptacle, wherein the movement of the sample into the sample receptacle is restricted by the movement of a sampling piston, and wherein the movement of the sampling piston is further controlled by the rotation of an electrical motor connected to the sample piston such that the rotation of the electric motor translates to lateral movement of the sample piston, the lateral movement of the sample piston in turn allowing sample to enter the sample receptacle, and wherein once an adequate volume of sample has been collected, reversing the direction of the electrical motor will serve to cause the sample piston to exert pressure on the collected sample.

