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(54) **Title:** METHOD AND APPARATUS FOR IN-SITU FLUID INJECTOR UNIT

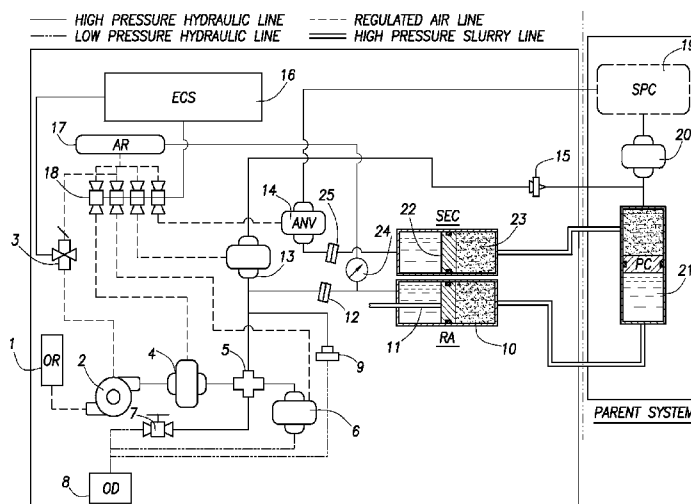


FIG. 1

(57) **Abstract:** Disclosed is a method of testing liquids at a test pressure. A first fluid is placed in a first chamber of a test system. The first fluid is brought to the test pressure. A volume is calculated of a second fluid to inject into the first chamber from a second chamber of the test system via a first portion connecting the first chamber and the second chamber. The first portion includes a fluid interface between the first fluid and the second fluid located in the first portion. The volume of the second fluid is injected into the first chamber, displacing an equivalent volume of fluid into a third chamber of the test system via a second portion connecting the first chamber and the third chamber in fluid communication with each other. The volume of the second fluid in the first chamber is mixed with a remaining volume of the first fluid in the first chamber to create a combination fluid. The combination fluid is tested.