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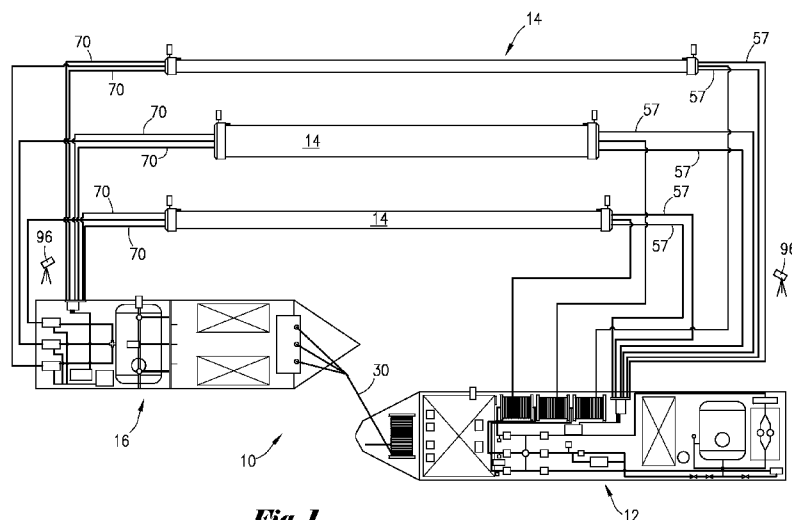
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(54) Title: HYDROSTATIC PRESSURE TESTING SYSTEM AND METHOD

**Fig. 1**

(57) Abstract: A hydrostatic pressure testing system for hydrostatic pressure testing of pipe or other vessels. A control center may include a computer program that monitors, records, and controls the system during testing. A test fluid assembly may include a fill conduit capable of providing a test fluid to an inlet section of a vessel to be tested in response to a command from the computer program. A pressure-release safety assembly may have a vent conduit in fluid communication between an outlet section of the vessel and a safety valve. The safety valve may be in fluid communication with a bleed tank for storing an outlet flow of test fluid from the vessel. The safety valve is actuated to relieve fluid pressure in the vessel in response to a selective condition. A method of using the system to conduct hydrostatic pressure testing is also described.