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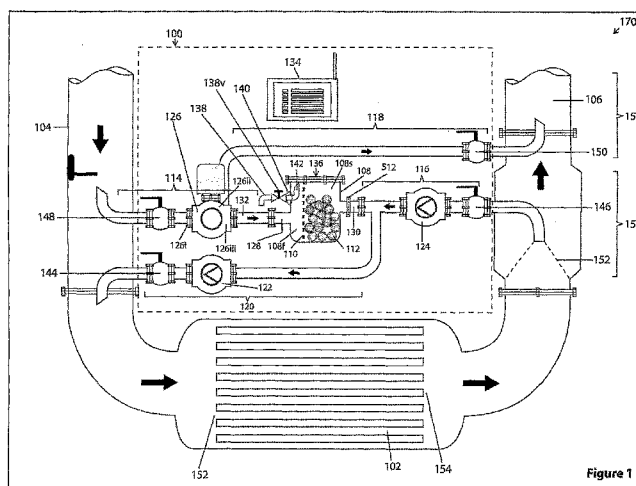
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(54) Title: CLEANING SYSTEM FOR CLEANING TUBING



(57) Abstract: According to one aspect of the invention, there is provided a cleaning system for cleaning tubing used for conducting a fluid therethrough, the tubing being connected between an inlet pipe and an outlet pipe, the cleaning system including: a receptacle; an apertured partition disposed within the receptacle and dividing the receptacle into a first compartment and a second compartment, at least one cleaning element disposed in the receptacle second compartment, wherein apertures of the apertured partition having a size allowing the fluid, but not the cleaning element to pass through the apertured partition; a fluid supply conduit connected to the receptacle first compartment for establishing fluid communication between the inlet pipe and the receptacle first compartment; a cleaning element supply conduit with a directional valve arranged therein, the cleaning element supply conduit being connected to the receptacle second compartment for establishing fluid communication between the receptacle second compartment and the inlet pipe, wherein the fluid supply conduit and the cleaning element supply conduit form a part of a fluid supply loop for supplying the cleaning element from the receptacle second compartment into the tubing via the inlet pipe; a cleaning element return conduit with a directional valve arranged therein, the cleaning element return conduit being connected to the receptacle second compartment for establishing fluid communication between the outlet pipe and the receptacle second compartment, a fluid return conduit connected to the receptacle

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first compartment for establishing fluid communication between the receptacle first compartment and the outlet pipe, wherein the cleaning element return conduit and the fluid return conduit form a part of a fluid return loop for returning the cleaning element from the tubing via the outlet pipe into the receptacle second compartment; and a valve arrangement operable to open/close the fluid supply loop and operable to open/close the fluid return loop.