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(54) Title: WASTE WATER TREATMENT SYSTEMS AND METHODS

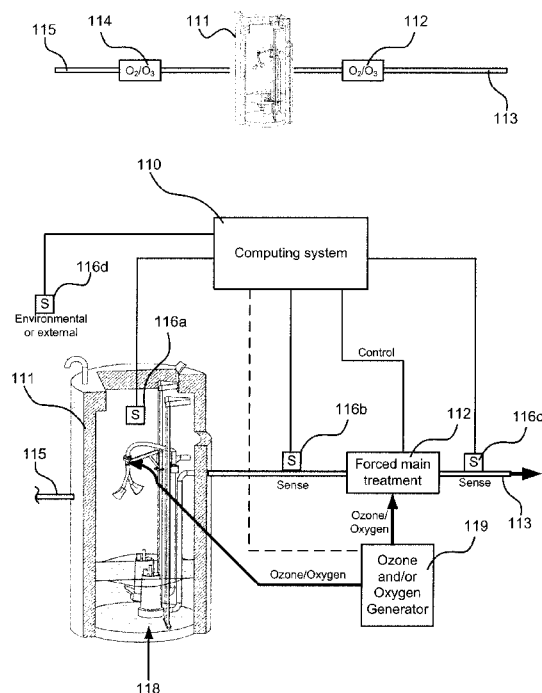


Figure 11

(57) Abstract: Systems, apparatus and methods are described that control and manage wastewater collection and treatment. One or more sensors monitor and measure levels of contaminants, other chemicals and or environmental conditions in a well of a collection station and/or in inflow and/or outflow mains. An additive that can include one or more of ozone, oxygen, a bioagent, bleach, peroxide and other chemicals, and selected to treat chemicals and/or contaminants in wastewater, can be mixed with waste water in the well and the main. A dispersion assembly deployed within the collection station is adapted to mix and spray the waste water and additive onto a wall of the well or surface of a body of wastewater in the well. A processor configured to control the rate at which the additive is provided to the dispersion assembly or force main based on measurements of contaminants received from the first and second sensors.



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