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[Continued on next page]

(54) Title: ORGANIC CONTAMINANT DESTRUCTION USING CHLORINE OR MIXED OXIDANT SOLUTION AND ULTRAVIOLET LIGHT

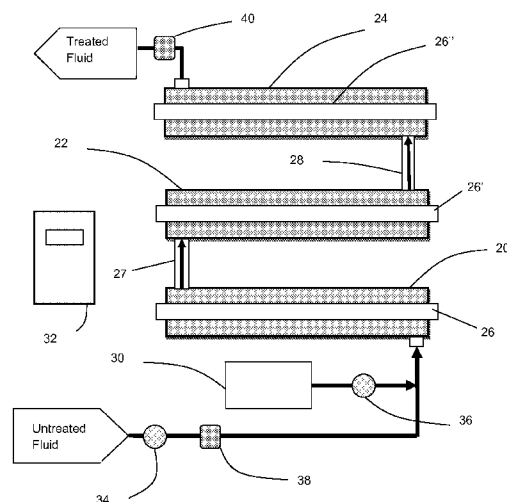


FIG. 1

(57) Abstract: Method and apparatus for destroying organic contaminants in a fluid. At least one oxidant is added to a contaminated fluid, which is then irradiated with ultraviolet radiation. The oxidant is preferably chlorine-based and generated on-site. The intensity of the radiation is higher than typical AOP processes. Various process parameters, such as the pH and/or flow rate of the contaminated fluid, and/or the relative intensities of various UV wavelength sources, are varied in response to measuring quality indicators.



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