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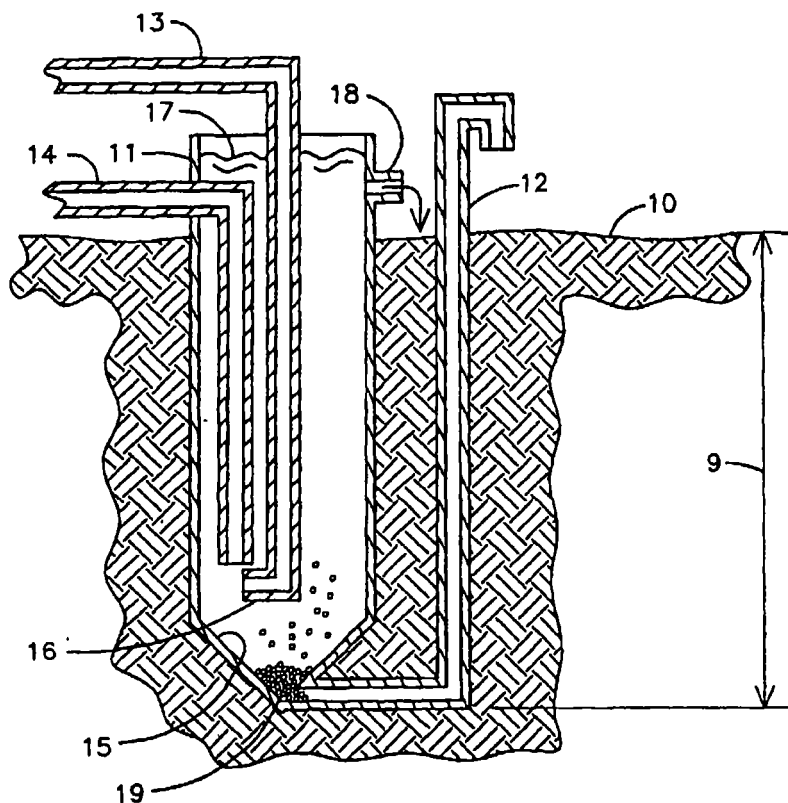
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(54) Title: PRE- AND POST-TREATMENT SYSTEM AND METHOD FOR PERIPHYTON FILTRATION USING OZONE



(57) Abstract: A process for treating water to remove concentrations of nutrients and pollutants using ozone prior or after the water is exposed to natural filtration by periphyton or other aquatic plants. A system employs a deep water tank (11) containing water to be treated. Concentrated ozonated water is injected via a pipe (16) at the bottom of the tank (11) to expose the water to be treated with ozone. The treated water exits from the top of the tank (11) via a nozzle (18) whereby it is flowed over an aquatic plant system (22) to remove undesired matter, such as pesticides. The process can be repeated successively to further treat the water if desired.



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