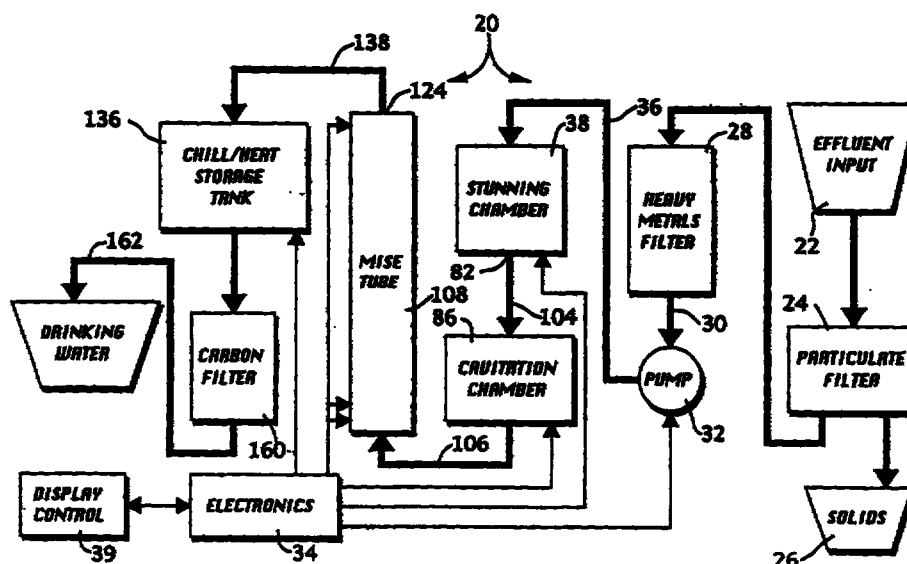




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(54) Title: DECONTAMINATION SYSTEM WITH IMPROVED COMPONENTS



(57) Abstract

A system for reducing biological organisms in a liquid effluent to no-viable organic molecules that includes: a stunning chamber (38) that applies a voltage potential across biological organisms to break cell membranes and disable the defense mechanisms of viral organisms to ultraviolet radiation; a cavitation chamber (86) to physically destroy any remaining membranes of biologicals in the effluent that may play host to viral organisms or allow such to hide therein, the action of the stunning and cavitation chambers releasing interferons; and a molecularly implanted stimulated emitter (MISE) chamber (108) in which high levels of ultraviolet radiation and electromagnetic energy are applied to virions and spores that remain at frequencies that are readily absorbed and operate to dissociate any viable DNA and RNA strands remaining, to thereby cause "death". The resulting effluent is pulsed through the stunning, cavitation, and MISE chambers to gain maximum effect thereof.

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