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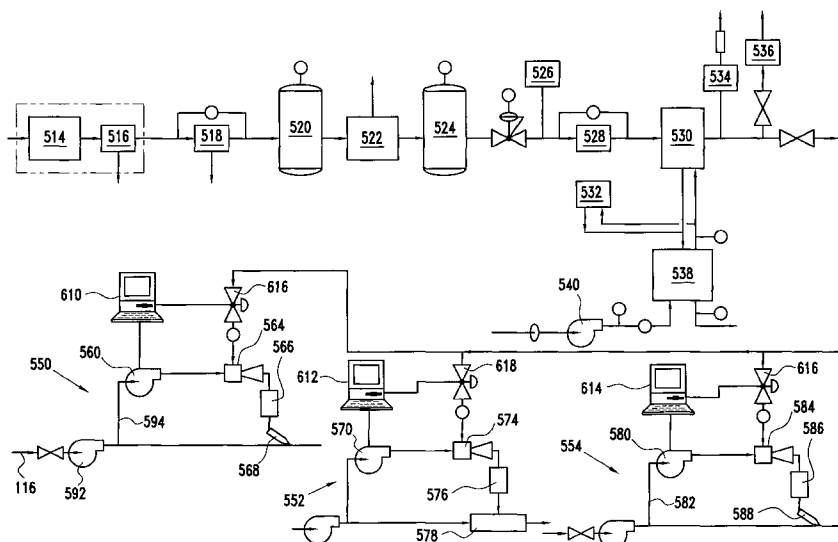
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(54) Title: OZONE INJECTION METHOD AND SYSTEM



(57) Abstract: A method and system of ozone treatment diverts a portion of water from a flow of water in a conduit; injects an ozone-containing gas into the portion to provide an ozonated portion; recombines the ozonated portion with the flow of water in the conduit; and preferably controls and/or regulates the diverted portion to provide a minimum diverted portion flow rate according to flow in the conduit and proportion of ozone in the injected gas. Another method and system identifies a species-destructive reaction product of ozone with a water constituent, determines a life of the reaction product, and contacts ozone with a water containing the species for a period determined according to the determined life of the reaction product. Another method and system treat ballast-water with ozone without release of detrimental off-gas into the atmosphere.

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