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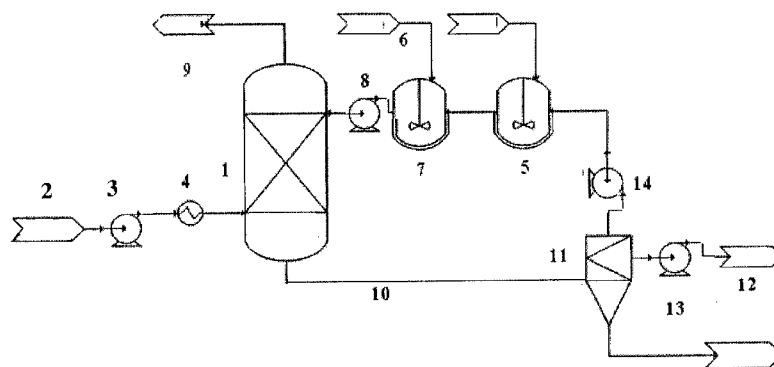
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(54) Title: PREPARATION OF AN AQUEOUS REAGENT FOR THE ABSORPTION OR DESTRUCTION OF POLLUTANTS

Figure 1



(57) Abstract: Process for treating a medium by the removal or destruction of one or more undesired substances present in said medium, comprising combining hydrogen peroxide and alkali hydroxide in an aqueous solution to form superoxide, and bringing the resultant superoxide-containing solution into contact with said medium. The process is useful for the destruction of halogenated organic pollutants and also for carbon dioxide removal from flue gases. The process can also be applied for soil remediation.