



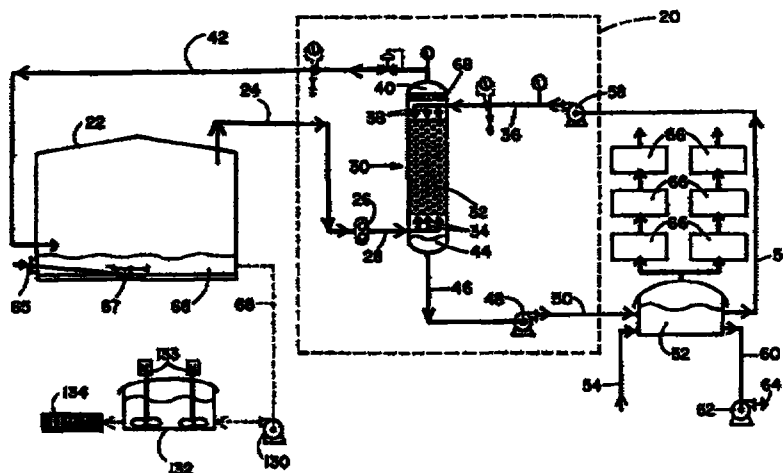
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(54) Title: **METHOD AND APPARATUS FOR REMOVAL OF HAZARDOUS GASES FROM ENCLOSED STRUCTURES**



(57) Abstract

A method for removing hazardous gases having water solubility from storage tanks (22) by scrubbing steps is described together with a method for removing ethylene dichloride or hydrogen sulfide contamination from soil (66) is disclosed. A scrubbing tower (30) mounted on a mobile frame (70) that is movable between a horizontal transport position (A) and a vertical operating position (B) is also described. A means is provided for distributing gas upwardly (34) through the scrubbing tower (30), and water downwardly (38) through the scrubbing tower (30), when the tower (30) is in the vertical operating position (B). The apparatus (20) also includes a blower (26) and a pump (58) mounted on the mobile frame (70), the blower (26) being connectable with a source of hazardous gases enclosed within a storage vessel (22), and the pump (58) being connectable with a source of water (52). The apparatus (20) is especially beneficial in removing water soluble hazardous compounds, such as ethylene dichloride and hydrogen sulfide, from gaseous atmospheres.