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(54) Title: PRODUCTION OF AQUEOUS HYPOCHLOROUS ACID THROUGH THE ELECTROLYSIS OF PH MODIFIED BRINES

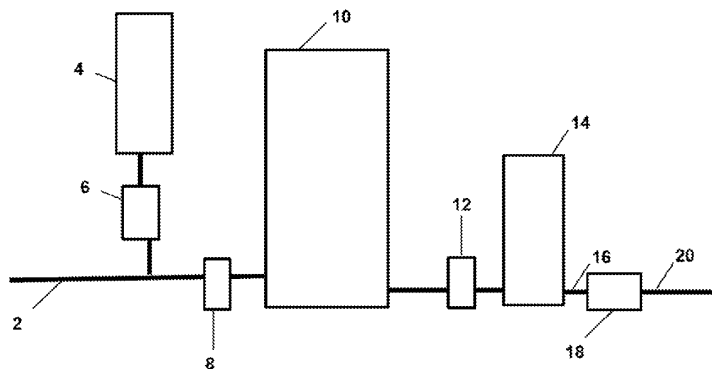


FIG. 1

(57) Abstract: Methods and apparatuses that enable the production of aqueous halogen solutions with controlled pH values are disclosed. The disclosed methods include introducing acids into a halide-based brine, the electrolysis of which results in the production of an aqueous halogen solution product with a desired pH value, also preventing the pH of the product from reaching an undesired value. The disclosed technology can also utilize sensors and a control system utilizing telemetry from these sensors to ensure that the desired aqueous halogen solution is produced.

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