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Loucaides

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(54) **ALGISTATIC WATER TREATMENT SOLUTION AND METHOD OF MAKING**

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This patent is subject to a terminal disclaimer.

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See application file for complete search history.

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(57) **ABSTRACT**

Systems and methods are described that facilitate generating and storing a concentrated copper and silver ion solution for treating a remote water volume (e.g., a pool, fountain, hot tub, cooling tower, etc.), in accordance with various features described herein. Citric acid and a water-soluble binding polymer are added to a volume of water. The intermediate solution is circulated past an ion generator for a predetermined time period, and copper ions generated thereby are bound by the binding polymer and/or chelated by the citric acid. Once a desired concentration of copper ions has been achieved, the concentrated solution is stored in portable vessels for transport to the remote water volume. Concentrated solution is added to the remote water volume to achieve a concentration therein of approximately 0.2-0.3 ppm.

19 Claims, 4 Drawing Sheets