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(54) **CONFIGURATIONS AND METHODS FOR WATER PURIFICATION**

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See application file for complete search history.

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(57) **ABSTRACT**

Volatile organic compounds are removed from a liquid and destroyed using a device in which an air stripper having alternating phases of hydrophilic and hydrophobic packing materials promotes transition of the VOC from the liquid phase into the gas phase, and wherein the is oxidized VOC in the gas phase on a hydrophobic carbon nanostructure that further comprises a catalytically active metal.

10 Claims, 1 Drawing Sheet

