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(54) **WATER FILTER MATERIALS AND WATER FILTERS CONTAINING A MIXTURE OF MICROPOROUS AND MESOPOROUS CARBON PARTICLES**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search** 210/266, 210/501, 502.1, 503, 504, 505, 506, 507, 210/508

See application file for complete search history.

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(57) **ABSTRACT**
A filter and filter material for providing or treating potable water is provided. The filter includes a housing having an inlet and an outlet, a filter material disposed within the housing, the filter material formed at least in part from a mixture of a plurality of mesoporous and microporous activated carbon particles. Preferably, at least some of the mesoporous activated carbon filter particles are coated with a cationic polymer, and even more preferably, at least some of the particles are coated with a cationic polymer and silver or a silver containing material. Kits comprising filters and information relating to the reduction, killing or removal of bacteria, viruses, microbials, and TTHM are also provided.

21 Claims, 1 Drawing Sheet

