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Yin

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(54) **RESILIENT ANION EXCHANGE MEMBRANES PREPARED BY POLYMERIZING A COMPOSITION**

(71) Applicant: **Saltworks Technologies, Inc.**, Vancouver (CA)

(72) Inventor: **Xiangchun Yin**, Coquitlam (CA)

(73) Assignee: **SALTWORKS TECHNOLOGIES INC.**, Vancouver British (CA)

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(58) **Field of Classification Search**

USPC 204/638; 427/244

See application file for complete search history.

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Primary Examiner — Mark Kaucher

Assistant Examiner — Henry Hu

(74) *Attorney, Agent, or Firm* — Troutman Sanders LLP; Ryan A. Schneider; Chris N. Davis

(57) **ABSTRACT**

A resilient anion exchange membrane including a homogeneous cross-linked ion-transferring polymer substantially filling pores and substantially covering surfaces of a porous substrate, wherein the resilient anion exchange membrane is prepared by polymerizing a composition including a quaternary ammonium cationic surfactant monomer, a cross-linking monomer including two or more ethylenic groups, a free radical initiator, and a solvent.

7 Claims, No Drawings