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(54) **COMPOSITE MATERIAL, IN PARTICULAR COMPOSITE MEMBRANE, AND PROCESS FOR THE PRODUCTION OF THE SAME**

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(58) **Field of Classification Search** 95/45, 95/50; 96/4, 11–14; 210/500.27, 645, 640
See application file for complete search history.

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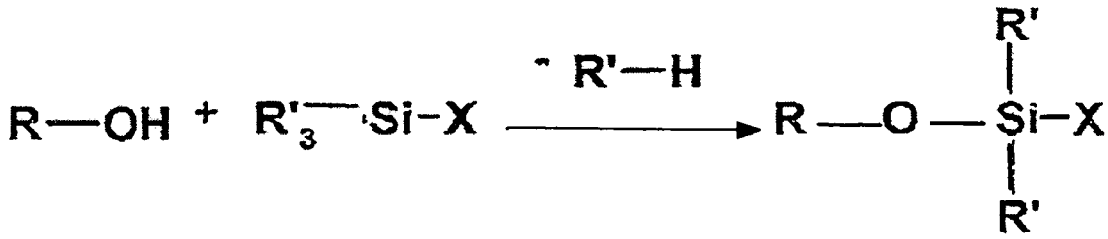
(57) **ABSTRACT**

Composite materials are provided. A representative material is configured as a composite membrane for gas separation, vapor separation, or pervaporation. The composite membrane comprises at least a first polymer and a second polymer. Processes for the production of composite materials, in particular composite membranes, also are provided.

19 Claims, 4 Drawing Sheets