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(54) Title: THERMALLY CONDUCTIVE HYDROGELS FOR ACIDIC GAS CAPTURE

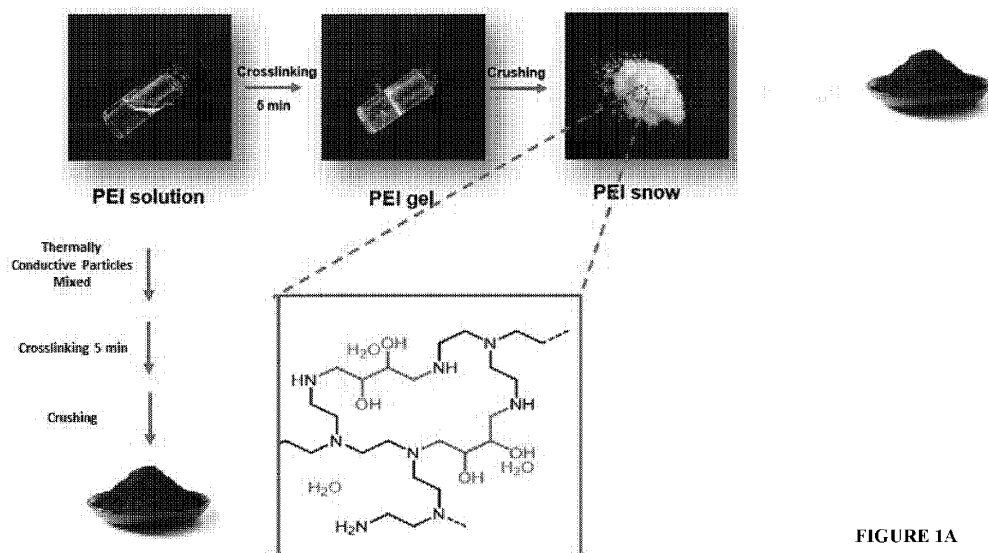


FIGURE 1A

(57) Abstract: The present disclosure generally relates to thermally conductive hydrogels. In particular, the present disclosure relates to thermally conductive hydrogels comprising one or more acidic gas absorbents, which can be used to capture one or more acidic gases from gaseous streams or atmospheres. The present disclosure also relates to processes, methods, systems, uses and apparatuses comprising the thermally conductive hydrogels for capturing acidic gases from a gaseous stream or atmosphere.

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