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(54) Title: SORBENT FIBER COMPOSITIONS AND METHODS OF TEMPERATURE SWING ADSORPTION

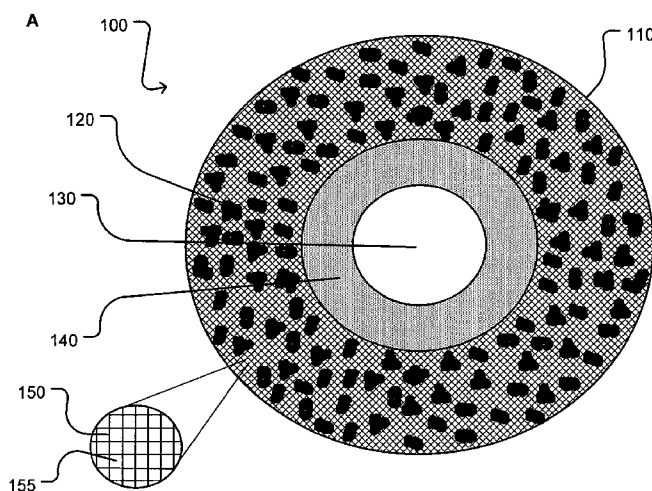


Figure 1

(57) Abstract: The various embodiments of the present invention relate to compositions, apparatus, and methods comprising sorbent fibers. More particularly, various embodiments of the present invention are directed towards sorbent fiber compositions for temperature swing adsorption processes. Various embodiments of the present invention comprise sorbent fiber compositions, apparatus comprising a plurality of sorbent fibers, and methods of using the same for the capture of at least one component from a medium, for example CO₂ from flue gas.

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