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(54) Title: REGENERABLE PLEATED FILTER MEDIUM

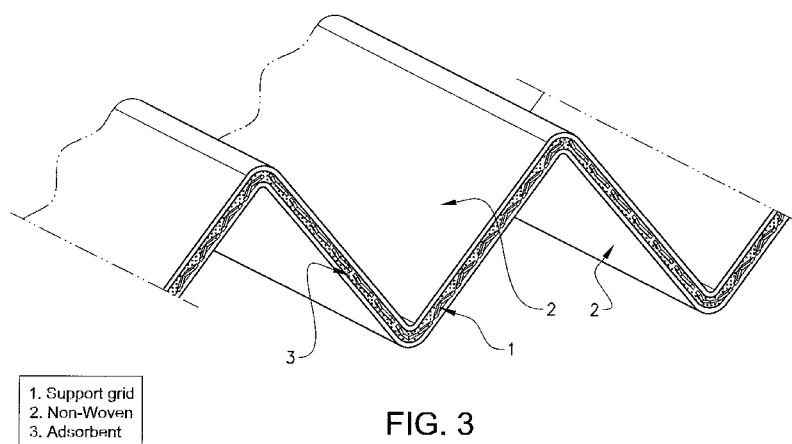


FIG. 3

(57) Abstract: The present invention provides regenerable pleated media and filter elements and combinations thereof for use in a clean room environment for removal of airborne molecular contamination. Disclosed is a pleated filter media for a clean room environment wherein the pleated filter media comprises at least an adsorbent first layer of activated carbon or polymer wherein said activated carbon or polymer together with fibers and/or an adhesion agent is enclosed between two second layers of non woven with a grid positioned on at least one side of either of the second layers or incorporated in the first layer for preventing deformation of the pleated filter media when regenerated by a heated air flow above 100°C at 1 atm.

