

Activated Filtration Fabric

Description:

This technology features fibrous activated materials that can remove and /or deactivate potentially dangerous agents from a gas or an air stream. This technology also features methods of forming such fibrous activated materials. These materials are multi-layered that includes one or more fibrous nonwoven interceptor layers and one or more active layers immediately adjacent the interceptor layer. The interceptor layer is a fibrous membrane of very low basis weight, small in size and defines a relatively low porosity. The active layer includes a functional chemistry that can collect, adhere, or otherwise bond a threat agent onto the surface of the fiber and/or decontaminate a threat agent contained in an airstream passing through the material.

Applications:

- Protective garments, face masks, tents, blankets, sleeping bags, filter medium, and the like
- Used in military, first responder and medical personnel apparel

Benefits:

- Low weight material and comfort to the wearer
- Minimized pressure drop across the materials

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Protection Status: Patent application filed
Licensing Status: Available for licensing
Additional Terms: Textiles, Apparel, Military, Fibers
CURF Ref No: 09-011