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(54) Title: FIBER MATERIAL HAVING IMPROVED MALODOR SCAVENGER PROPERTIES

(57) **Abstract:** The invention relates to fiber materials having improved malodor scavenger properties and a process for the manufacture of said materials. The invention especially relates to fiber materials usable in the manufacture of disposable or washable diapers, incontinent products, sanitary napkins and other such hygiene and personal care articles with improved malodor scavenger properties, and to methods of manufacturing such materials. It has been found that the incorporation of, especially nanosized, metal particles and/or a cyclodextrin material into fibers creates a "reactive" material having excellent malodor scavenging properties. More specifically, it has been found that the presence of nanosized metal or metal alloy particles and/or a cyclodextrin material in a fiber material, preferably a synthetic polymer material and more preferably a synthetic thermoplastic polymer fiber material leads to fiber materials or nonwovens having odor-controlling properties. The inventive fiber material especially is useful in the manufacture of hygienic products like disposable diapers.



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