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(54) Title: FIRE RESISTANT STRUCTURAL MATERIAL AND COATED FABRICS MADE THEREFROM

(57) Abstract: The present invention relates to a fire resistant structural material comprising a prefabricated microcells component, a surfactant-generated microcell component, a surfactant component, a filler component and a binder component. In addition, the present invention relates to fire resistant fabric materials comprising a substrate covered with the fire resistant structural material. Further, the present invention relates to fire resistant articles of manufacture comprising the fire resistant fabric material, and particularly to mattresses comprising the fire resistant fabric material. In its simplest embodiment, the structural material of the present invention consists essentially of a prefabricated microcells component, a filler component and a binder component.



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