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(54) **THERMALLY STABLE FLAME RESISTANT FLEXIBLE POLYURETHANE FOAM**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a reactive formulation used to make a flame resistant flexible polyurethane foam which is particularly suited for use in under the hood vehicle applications. In particular, the flame resistant flexible polyurethane foam is made from a reactive formulation comprising an A side comprising (i) an organic isocyanate and a B side comprising (ii) an isocyanate-reactive component, (iii) a flame retardant component comprising a combination of red phosphorus, expandable graphite, and optionally sodium citrate wherein the resulting foam achieves after heat aging at 150° C. for seven days a V-0 rating at 0.5 inch according to Underwriters' Laboratories Standard 94 Flammability Test.

8 Claims, No Drawings