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Elliott

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(54) **ROOF PANEL FOR PROTECTION AGAINST AIRBORNE THREATS**

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(58) **Field of Classification Search**
USPC **52/3, 742.1, 202, 2.11, 2.18, 2.19, 2.22, 52/2.23, 741.3**
See application file for complete search history.

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(57) **ABSTRACT**

A roof protection system and a method for constructing the roof protection system for an enclosure provide protection for inhabitants and equipment in the enclosure against projectiles and other falling objects that could impact and penetrate the top of the enclosure. The roof protection system includes roof protection sections wherein each section includes a frame with a plurality of spaces between support beams. A flexible bag of woven para-aramid fiber (e.g., Kevlar® brand fiber) is positioned in each space. Each bag is filled with a selected material such as sand, gravel, cement or other high-strength fill material. First and second outer panels of a non-combustible board laminated to a metallic sheet enclose the flexible bags. The roof protection sections are mounted on support structures so that sections span the top of enclosure and are spaced apart from the top enclosure.

8 Claims, 9 Drawing Sheets

