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(54) **WALL STRUCTURE FOR PROTECTION FROM BALLISTIC PROJECTILES**

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(52) **U.S. Cl.** ..... **52/745.05**; 52/506.04; 52/145; 52/309.12; 52/508; 52/DIG. 9

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See application file for complete search history.

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(57) **ABSTRACT**

A wall structure and a method for constructing the wall of a building provide protection for inhabitants of the building against ballistic projectiles impacting the wall. The wall structure includes an outer panel and an inner panel. The inner panel is a composite structure that includes a metal sheet having a first face attached to a wallboard panel. Preferably, a sheet of self-healing material is attached to a second face of the metal sheet. A cavity formed between the outer and inner panels is filled with sand or another granular material. A flexible sheet suspended in the cavity provides additional protection. Preferably, a sheet of woven para-aramid fiber such as Kevlar® brand fiber is loosely attached to the flexible sheet to provide further protection.

**17 Claims, 11 Drawing Sheets**

