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# United States Patent [19]

Rozner et al.

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## [54] WARHEAD CASING

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102/514; 102/516; 102/517; 102/519; 419/2;  
419/42

[58] Field of Search ..... 102/364, 464, 514, 516,  
102/517, 519; 75/214; 419/2, 42

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## [57] ABSTRACT

A method for producing an energetic porous warhead casing comprises the steps of mixing aluminum and magnesium powders in an Al:Mg weight ratio from about 22:78 to about 28:72, isostatically pressing said powders to form a preform of appropriate shape and with a density from about 20 to about 40 percent of the theoretical density, and heating said preform in an inert atmosphere at a temperature from 350 C to about 425 C until the density reaches 60 to 70 percent of the theoretical density.

20 Claims, 1 Drawing Sheet

