

United States Patent [19]

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[54] **DESENSITIZED SOLID ROCKET PROPELLANT FORMULATION**

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[57] **ABSTRACT**

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A composite propellant composition and process are disclosed for reducing the reactive violence during cook-off and to improve the performance of a potassium perchlorate/ammonium perchlorate propellant composition wherein 0.25–2.0% by weight, of iron oxide replaces 0.25–2.0% by weight, of potassium perchlorate in the composition.

[51] **Int. Cl.⁶** C06B 29/22

[52] **U.S. Cl.** 149/77; 149/76

[58] **Field of Search** 149/76, 77

[56] **References Cited**

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10 Claims, 1 Drawing Sheet

