

United States Patent [19]

Layden et al.

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[54] **SILICON NITRIDE WHISKER REINFORCED
GLASS MATRIX COMPOSITES**

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Air Force, Washington, D.C.**

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C03C 14/00; C03C 8/14**

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501/95; 501/97**

[58] Field of Search **501/17, 19, 20, 23,
501/32, 95, 97**

[56] **References Cited**

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[57] **ABSTRACT**

An improved composite material consisting of silicon nitride whiskers uniformly dispersed through a glass matrix and a method for making the composite which comprises the step of dispersing the whiskers in a suitable liquid and separating off the fines and, optionally, the step of treating the dispersed whiskers with HF.

2 Claims, No Drawings