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Lunking et al.

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(54) **STRUCTURAL COMPONENT THAT WILL
FRAGMENT INTO PARTICLES OF
SELECTED GEOMETRY AND REACTIVITY**

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See application file for complete search history.

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(57) **ABSTRACT**

An embodiment in accordance with the present invention
provides a method for creating and consolidating fragments
and a useable structure formed from said consolidated frag-
ments. The method includes swaging a metal powder into a
first consolidated structure. The consolidated structure is
ground to form particles and the particles are sifted to select
those with a predetermined diameter. The particles having the
predetermined diameter can then be swaged into a second
consolidated structure. The resultant second consolidated
structure is therefore configured to fragment controllably.
The second consolidated structure can also be formed from
reactive metal laminates such that the structure also has
chemical energy.

15 Claims, 5 Drawing Sheets

