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(54) **METHODS FOR PRODUCING METAL POWDERS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 191 days.

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

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(51) **Int. Cl.**
B22F 9/08 (2006.01)

(52) **U.S. Cl.** **75/338; 75/355; 75/360**

(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

A method for producing a metal powder product involves: Providing a supply of a precursor metal powder; combining the precursor metal powder with a liquid to form a slurry; feeding the slurry into a pulsating stream of hot gas; and recovering the metal powder product.

44 Claims, 7 Drawing Sheets

