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(54) **MOLYBDENUM/MOLYBDENUM DISULFIDE METAL ARTICLES AND METHODS FOR PRODUCING SAME**

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(52) **U.S. Cl.** **75/245; 75/231; 75/252; 428/570**

(58) **Field of Classification Search** **75/231, 75/245, 252; 428/570**

See application file for complete search history.

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(57) **ABSTRACT**

A method for producing a metal article according to one embodiment may involve the steps of: Providing a composite metal powder including a substantially homogeneous dispersion of molybdenum and molybdenum disulfide sub-particles that are fused together to form individual particles of the composite metal powder; and compressing the molybdenum/molybdenum disulfide composite metal powder under sufficient pressure to cause the mixture to behave as a nearly solid mass.

18 Claims, 4 Drawing Sheets