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(54) **METHODS FOR PRODUCING SODIUM/MOLYBDENUM POWER COMPACTS**

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(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 article according to one embodiment may include: Providing a supply of a sodium/molybdenum composite metal powder; compacting the sodium/molybdenum composite metal powder under sufficient pressure to form a preformed article; placing the preformed article in a sealed container; raising the temperature of the sealed container to a temperature that is lower than a sintering temperature of molybdenum; and subjecting the sealed container to an isostatic pressure for a time sufficient to increase the density of the article to at least about 90% of theoretical density.

**23 Claims, 7 Drawing Sheets**

