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Cox et al.

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(54) **LOW-FRICTION SURFACE COATINGS AND METHODS FOR PRODUCING SAME**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**

USPC 428/546, 551, 565; 427/201, 455

See application file for complete search history.

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(57) **ABSTRACT**

A coated article system includes a substrate and a surface coating on the substrate. The surface coating is formed by depositing individual particles of a composite metal powder with sufficient energy to cause the composite metal powder to bond with the substrate and form the surface coating. The composite metal powder includes a substantially homogeneous dispersion of molybdenum and molybdenum disulfide sub-particles that are fused together to form the individual particles of the composite metal powder.

38 Claims, 4 Drawing Sheets