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Xu

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(54) **ABRASION RESISTANT COATED WIRE**

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(58) **Field of Search** 428/372, 379, 428/383, 389; 174/110 SR, 110 N, 110 PM, 110 FC, 120 SR, 102 P

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(57) **ABSTRACT**

A coated wire that includes an electrical conductor having an abrasion and varnish craze resistant lubricated coating. The coating is made of a ceramic particulate material dispersed in a polyamideimide binder. Ceramic particulate materials suitable for incorporation in the coatings include silicon nitride (Si₃N₄), aluminum nitride (AlN), and titanium nitride (TiN).

17 Claims, 2 Drawing Sheets

